CITY OF STOCKTON

MCKINLEY PARK RENOVATIONS PROJECT

CITY PROJECT WR21017 ⚠1

GENERAL ABBREVIATIONS

ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION
AC	ASPHALT CONCRETE	MH	MAINTENANCE HOLE
AWG	AMERICAN WIRE GAUGE	MIN	MINIMUM
C & G	CURB AND GUTTER	NO.	NUMBER
CL	CENTER LINE	NTS	NOT TO SCALE
CB	CATCH BASIN	OD	OUTSIDE DIAMETER
C.B.C.	CALIFORNIA BUILDING CODE (CURRENT)	P.A.	PLANTING AREA
		PL	PROPERTY LINE
		PT	POINT
CJ	CONTROL JOINT	PUE	PUBLIC UTILITY EASEMENT
CO	CLEANOUT	PVC	POLYVINYL CHLORIDE
CLF	CHAIN LINK FENCE	PWR	POWER
C.O.S.	CITY OF STOCKTON	R	RADIAL OR RADIUS
DIA	DIAMETER	(R)	REMOVE
DWG	DRAWING	R/W	RIGHT-OF-WAY
EJ	EXPANSION JOINT	RET	RETURN
EL	ELEVATION	RT	RIGHT
EP	EDGE OF PAVEMENT/ EXISITING PAVEMENT	S	SLOPE
		SD	STORM DRAIN
EQUIP	EQUIPMENT	SL	STREET LIGHT
ESMT	EASEMENT	SS	SANITARY SEWER
EX. OR (E)	EXISTING	SD	SIDEWALK
FL	FLOWLINE	T.B.R.	TO BE REMOVED
FH	FIRE HYDRANT	T.R.	TO REMAIN
FT.	FEET	TC	TOP OF CURB
GB	GRADE BREAK	THRU	THROUGH
HORIZ	HORIZONTAL	TPZ	TREE PROTECTION ZONE
HP	HIGH POINT	TYP	TYPICAL
ID	INSIDE DIAMETER	VERT	VERTICAL
IN.	INCH	W	WATER
MAX	MAXIMUM	±	PLUS OR MINUS

WDID# CONTRACTOR TO PROVIDE A VALID WDID NUMBER PRIOR TO MOBILIZATION ON SITE. ⚠2

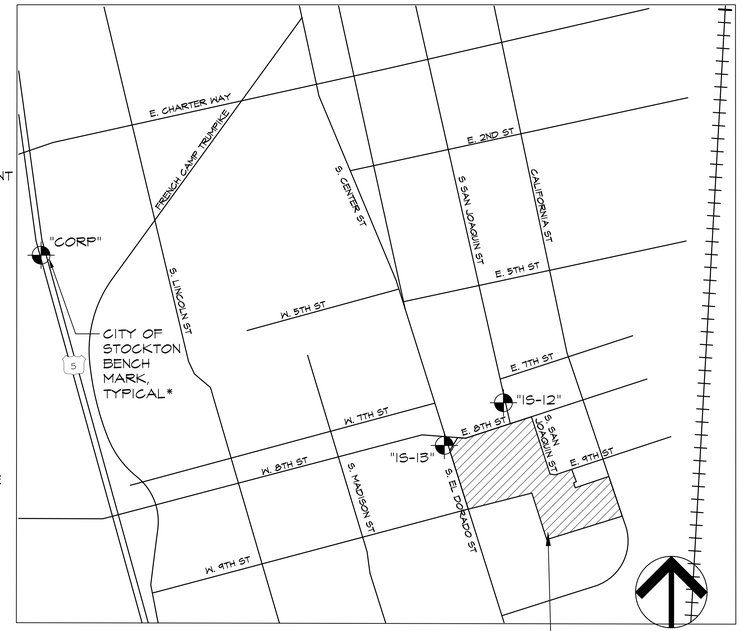
APPLICABLE CODES

ALL WORK SHALL CONFORM TO THE FOLLOWING MODEL CODES:

2019 CALIFORNIA BUILDING CODE (CBC)
2019 CALIFORNIA BUILDING CODE (CBC) TITLE 24
2019 CALIFORNIA MECHANICAL CODE (CMC)
2019 CALIFORNIA ELECTRICAL CODE (CEC)
2019 CALIFORNIA ENERGY CODE (CEC T-24)
2019 CALIFORNIA PLUMBING CODE (CPC)
2019 CALIFORNIA FIRE CODE (CFC)
2019 CALIFORNIA GREEN BUILDING CODE
2019 ADA STANDARDS FOR ACCESSIBLE DESIGN
2018 INTERNATIONAL SWIMMING POOL & SPA CODE ⚠3

NOTE: THE ACCESSIBILITY REQUIREMENTS FOR THE CONSTRUCTION OF THIS PROJECT'S SCOPE OF WORK SHALL CONFORM TO REQUIREMENTS OF THE 2019 CBC CHAPTER 11B.

VICINITY PLAN



* REFER TO SHEET VF101 FOR PROJECT BENCHMARK DETAILS

PROJECT SITE:
2332 S. EL DORADO ST.
STOCKTON, CA 95206

⚠1

PROJECT SCOPE

THE "PROJECT" GENERALLY CONSISTS OF RENOVATION OF AN EXISTING PARK AND SWIMMMING POOL, INCLUDING NEW POOL BUILDING, POOL EQUIPMENT, POOL AREA FENCING. CONSTRUCTION OF PARKING LOT IMRPOVEMENTS NEW PICNIC SHELTERS, BALLFIELD, PLAY AREA, RESTROOM, SPORTS COURTS, SOCCER FIELD TURF RENOVATION, CONCRETE WALKWAY REPLACEMENT, LANDSCAPING AND IRRIGATION SYSTEM MODIFICATION AND NEW SITE LIGHTING.

CBC DESIGN CRITERIA

SEISMIC RISK: CATEGORY II
SEISMIC DESIGN CATEGORY: SITE CLASS D
SOIL TYPE: VERY STIFF TO HARD LEAN CLAY, LEAN CLAY WITH SAND, AND SANDY LEAN CLAY
SOIL BEARING PRESSURE: 2,000 POUNDS PER SQUARE FOOT (PSF)
CLIMATE ZONE: 12
OCCUPANCY CLASSIFICATION: B OCCUPANCY
STRUCTURE TYPE OF CONSTRUCTION: II:B
WIND SPEED: 93MPH, EXPOSURE CATEGORY: B, QZ: 13.17PSF

ALTERNATE BID ITEMS ⚠5 ⚠4

ADD ALTERNATE #1: GRIND, OVERLAY, AND RE-STRIPING OF EXISTING ASPHALT COURT. INSTALL NEW CONCRETE PATHS

ADD ALTERNATE #2: FOG SEAL AND STRIPING OF PICKLEBALL COURT

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CE101 & CE501	EROSION CONTROL PLAN & DETAILS
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S3.0 & S4.0	CEILING & ROOF FRAMING PLAN
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M-1 - M-2	MECHANICAL FLOOR PLAN & DETAILS
P-0	PLUMBING-SCHEDULES, LEGENDS, & NOTES
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P-2	PLUMBING-FLOOR PLAN GRAVITY PIPING
P-3 - P-4	PLUMBING DETAILS
E1	ELECTRICAL INFORMATION
E2 & E3	LIGHTING PLAN & ELECTRICAL PLAN
E4	ELECTRICAL DETAILS
ET24A - ET24D	COMPLIANCE

PROJECT CONTACTS ⚠1

OWNER
CITY OF STOCKTON
IVAN REYNOSO
PROJECT MANAGER
PUBLIC WORKS DEPARTMENT
22 E. WEBER AVENUE, ROOM 301
STOCKTON, CA 95202-2317
PH: (209) 937-7390
EMAIL: IVAN.REYNOSO@STOCKTONCA.GOV

PRIME CONSULTANT/ LANDSCAPE ARCHITECT
CALLANDER ASSOCIATES LANDSCAPE ARCHITECTURE, INC.
DANIEL MILLER
PROJECT MANAGER
12150 TRIBUTARY POINT DRIVE, SUITE 140
GOLD RIVER, CA 95670
PH: (916) 985-4366
EMAIL: DMILLER@CAVALLEYOFFICE.COM

ARCHITECT
LDA PARTNERS
ERIC BURFORD
PROJECT MANAGER
222 CENTRAL COURT
STOCKTON, CA 95204
PH: (209) 943-0405
EMAIL: EBURFORD@LDAPARTNERS.COM

ELECTRICAL ENGINEER ⚠1
NATRON RESOURCES, INC.
RAFAEL ROLDAN
ELECTRICAL ENGINEER
1123 SANDERS DRIVE
MORAGA, CA 94556
PH: (925) 412-4625
EMAIL:R.ROLDAN@NATRONRESOURCES.COM

GAS AND ELECTRIC
PACIFIC GAS & ELECTRIC COMPANY
BRAD JAOQUIN
INDUSTRIAL POWER ENGINEER
3136 BOEING WAY
STOCKTON, CA 94556
PH: (209) 323-8106
EMAIL: BRJ6@PGE.COM

SURVEYOR / CIVIL ENGINEER
KSN, INC.
JEFF KJELDSEN
CIVIL ENGINEER
711 N. PERSHING AVENUE
STOCKTON, CA 95203
PH: (209) 946-0268
EMAIL: JKJELDSEN@KSNINC.COM

AQUATICS CONSULTANT
AQUATIC DESIGN GROUP, INC.
GREG FERRELL
PRINCIPAL ARCHITECT
2226 FARADAY AVENUE
CARLSBAD, CA 92008
PHONE: (760) 444-8312
EMAIL:GFERRELL@AQUATICDESIGNGROUP.COM

GEOTECHNICAL ENGINEER ⚠1
GEOCON
BRENDA FERNANDEZ
SENIOR ENGINEER
3160 GOLD VALLEY DRIVE, SUITE 800
RANCHO CORDOVA, CA 95742
PH: (916) 852-9118
EMAIL: FERNANDEZ@GEOCONINC.COM

TELEPHONE/ DATA
AT&T
DONALD SEELYE
DESIGN ENGINEER
2300 E EIGHT MILE RD
STOCKTON, CA 95210
PH: (209) 361-8254
EMAIL: DS6913@ATT.COM

WATER ⚠1
CALIFORNIA WATER SERVICES
STEVE FARRIOT
1505 EAST SONORA STREET
STOCKTON, CA 95205
PH: (209) 547-7813
EMAIL: STOCKTONBACKFLOW@CALWATER.COM

COMPONENTS ENGINEERED BY OTHERS

BLEACHERS IN THIS PROJECT ARE LESS THAN 30" IN HEIGHT AND ANCHORED TO CONCRETE SLAB, CONSIDERED NON-STRUCTURAL COMPONENT.

PRE-FABRICATED RESTROOM BUILDING HAS BEEN APPROVED FOR COMMERCIAL USE BY THE STATE OF CALIFORNIA, APPROVAL #R20690

CALL BEFORE YOU DIG USA 800-642-2444

PERMIT REVIEW SET

CALA
12150 Tributary Point Drive, Suite 140
Gold River, CA 95670
T 916.985.4366
www.callanderassociates.com

JANUARY 5, 2023 CALA PROJECT NO. 21013

MCKINLEY PARK RENOVATIONS PROJECT

COVER SHEET

REGISTERED LANDSCAPE ARCHITECT BENJAMIN W. WOODSIDE NO. 6062 Signature May 31, 2024 Renewal Date Date STATE OF CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By
1	RESPONSE TO PERMIT CYCLE 1 COMMENTS	11/14/22		
2	RESPONSE TO PERMIT CYCLE 2 COMMENTS	01/05/23		
3	RESPONSE TO PERMIT CYCLE 3 COMMENTS	03/03/23		
4	TXFR PLACEMENT	04/13/23		

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY: DATE 7/24/23 CITY ENGINEER	SHEET NO. CV1.0
DESIGNED BY	DCM		1 OF 158 SHTS
DRAWN BY	CM		
CHECKED BY	BW		WR21017
RECORD DWGS.		STOCKTON, CALIFORNIA	PROJECT NO.

5541C

PROJECT GENERAL NOTES

1. **DESIGN INTENT:** THESE DRAWINGS REPRESENT THE GENERAL DESIGN INTENT TO BE IMPLEMENTED ON THE SITE. CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING OWNER'S REPRESENTATIVE FOR ANY ADDITIONAL CLARIFICATION OR DETAILS NECESSARY TO ACCOMMODATE SITE CONDITIONS.

2. **CONTRACTOR COORDINATION:** EACH CONTRACTOR SHALL COORDINATE AND OTHERWISE INTEGRATE WORK WITH THAT OF OTHERS IN AN EFFICIENT AND TIMELY MANNER SO AS TO PROVIDE THE OWNER WITH A WELL-CONSTRUCTED, EASILY MAINTAINABLE PROJECT. EACH CONTRACTOR SHALL NOTIFY OTHERS AT LEAST TWO WORKING DAYS IN ADVANCE OF COVERING, COMPLETING, OR EXPOSING WORK TO BE INSTALLED BY OTHERS. 1

3. **COMPOSITE BASE SHEET:** THE PROPOSED IMPROVEMENTS SHOWN ON THESE DRAWINGS ARE SUPERIMPOSED ON A BASE SHEET. THIS BASE SHEET IS COMPILED FROM THE TOPOGRAPHIC SURVEY, OTHER ARCHITECTURAL AND/OR ENGINEERING DOCUMENTS, AND OTHER DATA AS MADE AVAILABLE TO THE LANDSCAPE ARCHITECT. THIS BASE SHEET INFORMATION IS SHOWN IN HALF TONE ON THE PLANS. THE LANDSCAPE ARCHITECT SHALL NOT BE HELD LIABLE FOR CHANGES, INACCURACIES, OMISSIONS, OR OTHER ERRORS ON THESE DOCUMENTS. THE COMPOSITE BASE SHEET IS PROVIDED AS AN AID ONLY AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEWING THESE DOCUMENTS AND INCORPORATING/INTEGRATING ALL CONSTRUCTION AS REQUIRED TO ACCOMMODATE SAME.

THE BASE SHEET SOURCE FOR THESE DRAWINGS IS: "ACAD-VF-TOPO.DWG", AS PREPARED BY KSN, INC. DATED AUGUST 2021. 1

4. THE CONTRACTOR IS CAUTIONED THAT ONLY EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATION, AND DEPTHS OF SUCH UNDERGROUND UTILITIES. HOWEVER, THE LANDSCAPE ARCHITECT CAN ASSUME NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF ITS DELINEATION OF SUCH UNDERGROUND UTILITIES, NOR FOR THE EXISTENCE OF OTHER BURIED OBJECTS OR UTILITIES WHICH ARE NOT SHOWN ON THESE DRAWINGS.

5. **TREE PROTECTION AND MAINTENANCE REQUIREMENTS:** SEE TREE DISPOSITION PLANS (TD1.0 THROUGH TD1.5) AND PROJECT SPECIFICATIONS FOR TREE PROTECTION REQUIREMENTS.

6. **HORIZONTAL CONTROL:** HORIZONTAL CONTROL IS BASED ON CONTROL POINTS IDENTIFIED ON SHEET VF1.01. COORDINATES HAVE BEEN PROVIDED FOR STRATEGIC POINTS AT PROPOSED CONSTRUCTION BASED ON THE SAME COORDINATE SYSTEM. FOR CLARITY, THE FIRST THREE DIGITS (216) FOR ALL NORTHING COORDINATES AND THE FIRST THREE DIGITS (633) FOR ALL EASTING COORDINATES HAVE BEEN TRUNCATED. 1

7. THE ACCESSIBILITY REQUIREMENTS FOR THE CONSTRUCTION OF THIS PROJECT'S SCOPE OF WORK SHALL CONFORM TO REQUIREMENTS OF THE 1019 CBC CHAPTER 11B.

8. **ABESTOS AND LEAD-CONTAINING PAINT:** AN ASBESTOS AND LEAD-CONTAINING PAINT SURVEY WAS CONDUCTED ON THE EXISTING SITE STRUCTURES. THIS SURVEY HAS DETERMINED THAT CATEGORY 1 NONFRIABLE/NON-HAZARDOUS ASBESTOS HAS BEEN IDENTIFIED. ADDITIONALLY, SOME LEAD-CONTAINING PAINTED SURFACES HAVE BEEN IDENTIFIED.

CONTRACTOR SHALL REFER TO THE ASBESTOS AND LEAD-CONTAINING PAINT SURVEY REPORT IN APPENDIX B OF THE SPECIFICATIONS FOR ADDITIONAL INFORMATION REGARDING THE LOCATIONS, LEVELS, AND REQUIREMENTS RELATED TO ASBESTOS AND LEAD-CONTAINING PAINT AT THE PROJECT LOCATION.

CITY OF STOCKTON GENERAL NOTES

1. ALL IMPROVEMENTS SHALL BE CONSTRUCTED IN STRICT ACCORDANCE WITH THE FOLLOWING: CURRENT CITY OF STOCKTON STANDARD SPECIFICATIONS AND PLANS, INCLUSIVE OF ALL CURRENT REVISIONS AND AMENDMENTS, CALIFORNIA DEPARTMENT 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 AND REVISIONS THERETO. WHERE THERE IS A CONFLICT BETWEEN THE PLANS AND THE CITY'S STANDARD SPECIFICATIONS AND PLANS, THE CITY OF STOCKTON 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 CONSTRUCTION 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 THEY 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 PRE-CONSTRUCTION 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, 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. 1
24. NEW SIDEWALK SHALL BE DOWELED INTO EXISTING SIDEWALK ACCORDING TO CITY STANDARD DRAWING NO. R-55

EXISTING CONDITIONS LEGEND

- 12"sd — STORM DRAIN LINE
- 6"ss — SANITARY SEWER LINE
- w — WATER LINE
- fs — FIRE SERVICE LINE
- irr — IRRIGATION LINE
- g — GAS LINE
- t — COMMUNICATION LINE
- t(oh) — COMMUNICATION LINE OVERHEAD
- e — ELECTRICAL LINE
- e(oh) — ELECTRICAL LINE OVERHEAD
- SIDEWALK
- EDGE OF PAVEMENT
- SAWCUT LINE
- R/W, PL
- x — FENCELINE CHAINLINK
- BENCH
- BLOW-OFF
- CATCH BASIN / DROP INLET
- CLEANOUT
- COMBINATION TRAFFIC SIGNAL WITH BACKPLATE & LUMINAIRE
- CONTROL POINT
- CURB INLET
- ELEC — ELECTRIC CABINET
- EM — ELECTRIC METER BOX
- E — ELECTRIC PULL BOX
- FIRE HYDRANT ASSEMBLY
- EXISTING TREE — TREE NUMBER AND DIAMETER AT BREAST HEIGHT
- HT — HERITAGE OAK TREE PER CITY OF STOCKTON MUNICIPAL CODE
- G — GAS METER
- G — GAS VALVE BOX
- GUY WIRE
- IRRIGATION VALVE BOX
- LIGHT
- (S) (D) — MAINTENANCE HOLE
- POST OR BOLLARD
- PULL BOX
- SIGN POST
- + 6.54 — SPOT ELEVATION
- TABLE
- TRAFFIC SIGNAL BOX
- TREE
- UTILITY POLE
- WATER HOSE BIB
- W — WATER METER BOX
- WATER SPRINKLER

CALL BEFORE YOU DIG USA 800-642-2444

PERMIT REVIEW SET

CALA
12150 Tributary Point Drive, Suite 140
Gold River, CA 95670
T 916.985.4366
www.callanderassociates.com

JANUARY 5, 2023 CALA PROJECT NO. 21013

MCKINLEY PARK RENOVATIONS PROJECT

GENERAL NOTES & SYMBOLS

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

LICENSED LANDSCAPE ARCHITECT — BENJAMIN W. WARDRIP, JR. — Signature — May 31, 2024 Renewal Date — Date — STATE OF CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By
1	RESPONSE TO PERMIT CYCLE 1 COMMENTS	11/14/22		

SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE	SHEET NO. CV1.1
DESIGNED BY	DCM		2 OF 158 SHTS
DRAWN BY	CM		
CHECKED BY	BW	CITY ENGINEER	WR21017 PROJECT NO.
RECORD DWGS.		STOCKTON, CALIFORNIA	

5541.1C

CIVIL GENERAL NOTES:

1. THE INTENT IS THAT THESE PLANS REQUIRE ALL LABOR AND MATERIALS (EXCEPT AS SPECIFIED IN THE SPECIFICATIONS) NECESSARY AND PROPER FOR THE WORK CONTEMPLATED AND THAT THE WORK BE COMPLETED IN ACCORDANCE WITH THEIR TRUE INTENT AND PURPOSE.
2. THE TYPES, LOCATION, SIZES AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THESE PLANS WERE OBTAINED BY THE DESIGN ENGINEER FROM "OUTSIDE SOURCES," BELIEVED TO BE RELIABLE. HOWEVER, THE CONTRACTOR IS CAUTIONED THAT ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATION, AND DEPTHS OF SUCH UNDERGROUND UTILITIES. KJELDSEN, SINNOCK & NEUDECK ASSUMES NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF ITS DELINEATION OF SUCH UNDERGROUND UTILITIES WHICH MAY BE ENCOUNTERED BUT WHICH ARE NOT SHOWN ON THESE DRAWINGS.
3. IF NEEDED, THE CONTRACTOR SHALL OBTAIN A PERMIT FROM CALWATER UTILITIES & MAINTENANCE DEPARTMENT FOR USE OF WATER FROM FIRE HYDRANTS FOR CONSTRUCTION PURPOSES. THE PERMIT SHALL BE APPROVED BY THE CITY FIRE DISTRICT.
4. THE CONTRACTOR SHALL EMPLOY SATISFACTORY PROVISIONS TO ENSURE CONTINUOUS AND PROPER FUNCTIONING OF ADJACENT SEWERS, STORM DRAINS, GUTTERS, CULVERTS, DRAINAGE AND IRRIGATION DITCHES, AND/OR NATURAL WATER COURSES.
5. THE CONTRACTOR SHALL AT ALL TIMES BE RESPONSIBLE FOR THE SECURITY OF HIS PLANT AND EQUIPMENT. THE OWNER AND ITS REPRESENTATIVES WILL NOT TAKE ANY RESPONSIBILITY FOR MISSING OR DAMAGED EQUIPMENT, TOOLS, OR PERSONAL BELONGINGS.
6. A SEPARATE CITY ENCROACHMENT PERMIT WITH COMMUNITY DEVELOPMENT DEPARTMENT WILL BE REQUIRED FOR ANY TRAFFIC CONTROL OR WORK IN THE CITY RIGHT OF WAY.

CONSTRUCTION NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MATCHING EXISTING SURROUNDING LANDSCAPE AND OTHER IMPROVEMENTS WITH A TRANSITION IN CURBS, GUTTERS. SIDEWALKS, GRADES, ETC., AND TO AVOID ANY ABRUPT OR APPARENT CHANGES IN CROSS SLOPES, LOW SPOTS OR HAZARDOUS CONDITIONS.
2. THE CONTRACTOR SHALL COORDINATE WITH THE PROJECT DIRECTOR FOR ALL TEMPORARY AND LONG-TERM MATERIAL STORAGE LOCATIONS AND HAUL ROUTES.
3. UNLESS OTHERWISE DIRECTED BY THE PROJECT DIRECTOR, ALL EXISTING IRRIGATION AFFECTED OR REMOVED BY THE CONSTRUCTION OF THIS PROJECT WILL FIRST BE COORDINATED THROUGH THE PROJECT DIRECTOR AND REPAIRS OUTSIDE THE LIMITS OF THE SCOPE OF WORK WILL BE PERFORMED BY OWNER'S FORCES.

ENVIRONMENTAL NOTES:

1. THE CONTRACTOR SHALL MAINTAIN AIR POLLUTION CONTROLS BY NOT DISCHARGING SMOKE, DUST, OR ANY OTHER AIR CONTAMINANTS INTO THE ATMOSPHERE IN SUCH QUANTITY AS WILL VIOLATE THE REGULATIONS OF ANY LEGALLY CONSTITUTED AUTHORITY.
2. THROUGHOUT ALL PHASES OF CONSTRUCTION, INCLUDING SUSPENSION OF WORK, AND UNTIL FINAL ACCEPTANCE OF THE PROJECT, THE CONTRACTOR SHALL KEEP THE PROJECT SITE AND VICINITY CLEAN AND ORDERLY, DISPOSING OF LITTER, RUBBISH AND DEBRIS IN A MANNER SATISFACTORY TO THE PROJECT DIRECTOR.
3. ASBESTOS CEMENT MATERIALS ARE PROHIBITED.
4. DISCHARGE OF ANYTHING EXCEPT CLEAN WATER INTO THE STORM DRAIN SYSTEM IS PROHIBITED.

EXCAVATION, BACKFILL & COMPACTION:

1. THE CONTRACTOR SHALL PERFORM EARTHWORK IN ACCORDANCE WITH REGULATORY AGENCY STANDARD SPECIFICATIONS AND CALTRANS STANDARD SPECIFICATIONS SECTION 16 (LATEST EDITION).
2. AFTER PIPE HAS BEEN PROPERLY ASSEMBLED AND INSTALLED, BACKFILLING SHALL BE PERFORMED AT ALL TIMES IN A MANNER THAT AVOIDS ABRASION OR OTHER PIPE DAMAGE.
3. AFTER THE INITIAL BACKFILLING HAS BEEN MADE AND APPROVED BY THE PROJECT DIRECTOR, THE FINAL BACKFILLING SHALL BE MADE. BACKFILL MATERIAL SHALL BE CAREFULLY PLACED IN THE TRENCH IN ORDER TO NOT DAMAGE THE PIPE AND SHALL BE COMPACTED IN ACCORDANCE WITH ASTM D 1557-78 PROCEDURE TO THE PROPER COMPACTIONS, LINES AND GRADES.
4. COMPACTION MAY BE PERFORMED WITH A VIBRATORY TYPE ROLLER COMPACTOR.
5. THE MINIMUM TOTAL COVER FOR PIPELINES IN STREETS IS THREE FEET (3'), PIPELINES IN LANDSCAPE AREAS IS TWO FEET (2'), AND ALL CONDUITS IS EIGHTEEN INCHES (18"), UNLESS OTHERWISE SPECIFIED.

TESTING:

1. THE OWNER WILL RETAIN THE SERVICES OF AN INDEPENDENT SOILS CONSULTANT AND TESTING LABORATORY TO PERFORM SOIL ANALYSIS, FIELD COMPACTION, AND DENSITY TESTS AND CHECK COMPLIANCE WITH THESE SPECIFICATIONS. THE CONTRACTOR SHALL BE REQUIRED TO REMOVE SURFACE MATERIALS AT LOCATIONS DESIGNATED BY THE TESTING ENGINEER AND TO PROVIDE ASSISTANCE AS NECESSARY FOR TESTING. THE INDEPENDENT TESTING LABORATORY WILL SAMPLE AND PERFORM ALL REQUIRED TESTS SUCH AS MOISTURE CONTENT, GRADATION AND MOISTURE DENSITY RELATIONSHIPS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUATELY SCHEDULING INSPECTION AND TESTING OF ALL FACILITIES CONSTRUCTED UNDER THIS CONTRACT. ALL TESTING SHALL CONFORM TO THE REGULATORY AGENCY'S STANDARD SPECIFICATIONS. ALL TESTING AND INSPECTION SHALL BE PAID FOR BY THE OWNER. ALL RE-TESTING AND/OR REINSPECTION SHALL BE PAID FOR BY THE CONTRACTOR.

TRAFFIC CONTROL:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL AND TO SUBMIT A TRAFFIC CONTROL AND/OR DETOUR PLAN FOR APPROVAL BY THE CITY OF STOCKTON TRAFFIC ENGINEER PRIOR TO THE START OF CONSTRUCTION.
2. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE AND MAINTAIN ALL PERMANENT AND TEMPORARY LIGHTS, BARRICADES, SIGNS, FLAGMEN OR OTHER TRAFFIC CONTROL DEVICES NEEDED TO PROTECT PUBLIC SAFETY AND PREVENT PUBLIC HAZARDS IN ACCORDANCE WITH THE CALTRANS TRAFFIC MANUAL.
3. THE CONTRACTOR SHALL NOT CLOSE OR BLOCK ANY LANE, ROAD, STREET, OR HIGHWAY SERVING THE PUBLIC EXCEPT WITH THE PERMISSION FROM THE PROPER GOVERNMENTAL OR JURISDICTIONAL AUTHORITY. TRAFFIC DELAYS LASTING LONGER THAN FIFTEEN (15) MINUTES ARE UNACCEPTABLE.
4. A SEPARATE CITY ENCROACHMENT PERMIT WILL BE REQUIRED FOR ANY TRAFFIC CONTROL OR WORK IN THE CITY RIGHT OF WAY WITH COMMUNITY DEVELOPMENT DEPARTMENT.

DUST & MUD CONTROL:

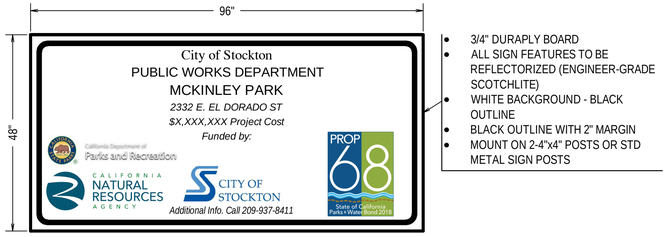
1. THE CONTRACTOR SHALL KEEP ALL WALKS AND ROADWAYS ADJACENT TO THE PROJECT SITE FREE AND CLEAR OF MUD AND SILT IN A MANNER SATISFACTORY TO THE PROJECT DIRECTOR.

CLEANUP:

1. THE CONTRACTOR, UPON ACCEPTANCE OF ALL WORK, SHALL RESTORE THE PROJECT SITE TO THE CONDITION IN WHICH WORK STARTED AND AS SATISFACTORY TO THE OWNER OR ITS REPRESENTATIVE.

SURVEY NOTES:

1. THE EXISTING TOPOGRAPHY SHOWN ON THESE PLANS IS PRIMARILY FROM KSN FIELD TOPOGRAPHIC SURVEYS AND MAY BE SUPPLEMENTED WITH PLANIMETRIC LAYOUTS FROM PUBLIC AERIAL PHOTOGRAPHY INFORMATION.
2. BEARINGS AND DISTANCES ARE BASED ON THE NORTH AMERICAN DATUM OF 1983 (NAD83) CONVERTED TO THE CALIFORNIA COORDINATE SYSTEM OF 1983, ZONE 3 (CCS83-III). ELEVATIONS SHOWN ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). UNITS SHOWN ARE BASED ON THE U.S. SURVEY FOOT.
3. CONTRACTOR SHALL PROTECT AND PRESERVE ALL EXISTING BOUNDARY MONUMENTS PER SECTION 8771 OF THE 2017 PROFESSIONAL LAND SURVEYORS ACT. FOUND MONUMENTS ARE NOTED ON THE PLANS. DISTURBED OR DESTROYED MONUMENTS SHALL BE RESTORED OR REPLACED PER THE CITED SECTION AND SECTION 8762 BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
4. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL PROVIDE TO CITY, THE REQUIRED SURVEY MONUMENT ACKNOWLEDGEMENT FORM: http://www.stocktonca.gov/files/Survey_Monument_Preservation_Forms.pdf



LOGOS:
1. CALIFORNIA ACTIVE TRANSPORTATION PROGRAM.
2. CITY OF STOCKTON (PMS COLORS: REFLEX BLUE & 279)
3. CONGESTION MITIGATION AND AIR QUALITY IMPROVEMENT PROGRAM.

FONTS:
1. CITY OF STOCKTON: PALATINO LINOTYPE (REFLEX BLUE)
2. PUBLIC WORKS DEPART.: COPPERPLATE GOTHIC BOLD (REFLEX BLUE)
3. PROJECT TITLE: ARIAL NARROW (BLACK, ALL CAPS)
4. PROJECT LIMITS & COST: ARIAL NARROW (BLACK, ITALIC)
5. FUNDED BY: ARIAL NARROW (REFLEX BLUE, ITALIC)

PERMIT REVIEW SET

REGISTERED PROFESSIONAL ENGINEER — JEFFREY D. KJELDSEN — NO. 61898 — CIVIL — STATE OF CALIFORNIA — 1-5-2023

Revision No.	Description	Date	By	Aprvd. By
2	Response to Permit Cyc-2 Comments	12-22-2022	PX	JDK
1	Response to Permit Cyc-1 Comments	11-14-2022	PX	JDK

KSN INC. KJELDSEN SINNOCK NEUDECK
CIVIL ENGINEERS & LAND SURVEYORS
www.ksninc.com
711 N. Pershing Avenue, Stockton, CA 95203, 209-946-0268
1550 Harbor Blvd., Suite 212, West Sacramento, CA 95691, 916-403-5900

CONTACT 811 BEFORE YOU DIG — 811 SAFE DIGGING ALERT

CALA
12150 Tributary Point Drive, Suite 140
Gold River, CA 95670
T 916.985.4366
www.callanderassociates.com

JANUARY 5 , 2023 — CALA PROJECT NO. 21013

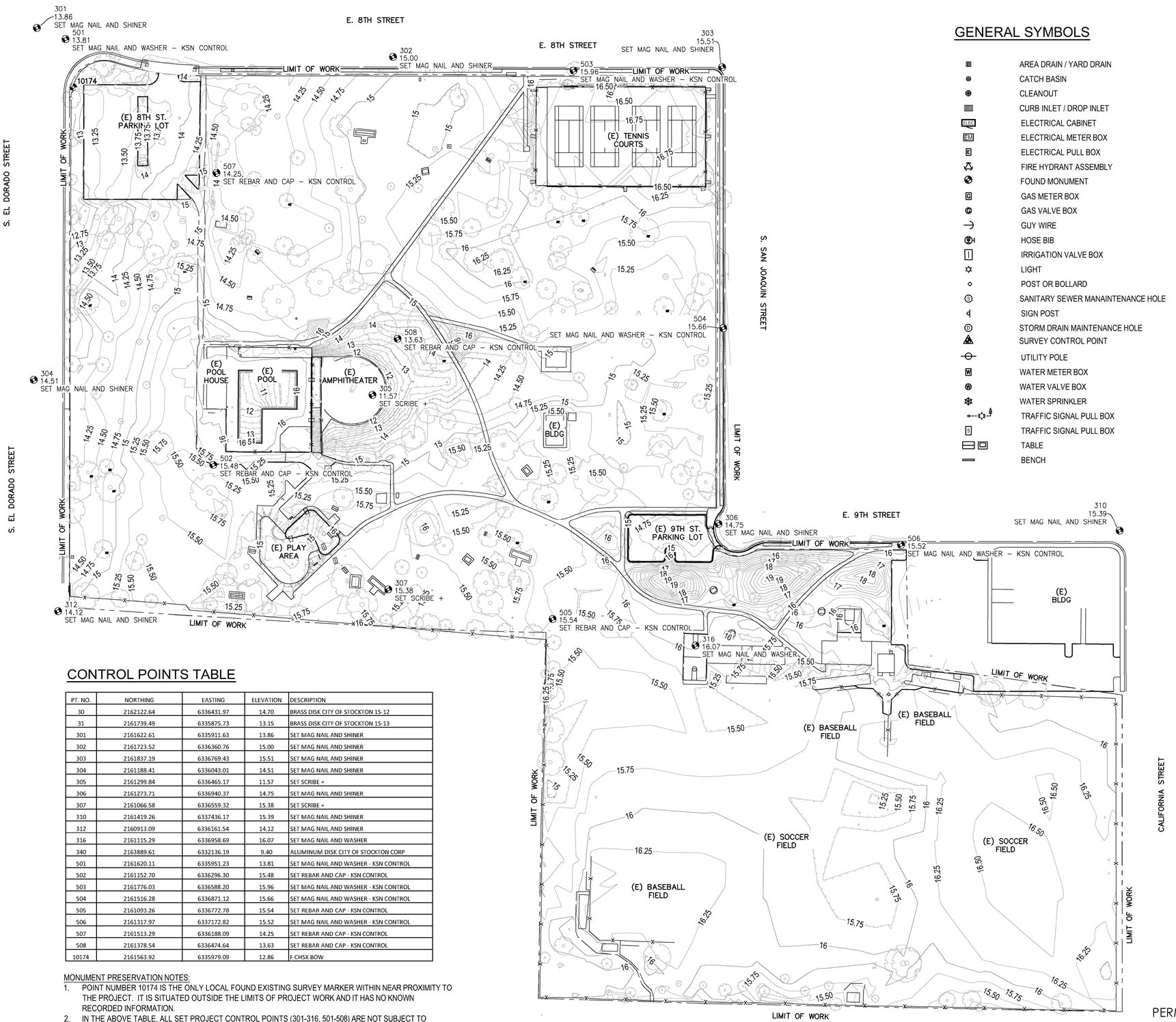
MCKINLEY PARK AND POOL RENOVATION

CIVIL GENERAL NOTES

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY: 7/24/23 CITY ENGINEER	SHEET NO. C-001
DESIGNED BY	JDK	DATE	3 OF 158 SHTS
DRAWN BY	PX		
CHECKED BY	SKS		WR21017 PROJECT NO.
RECORD DWGS.		STOCKTON, CALIFORNIA	

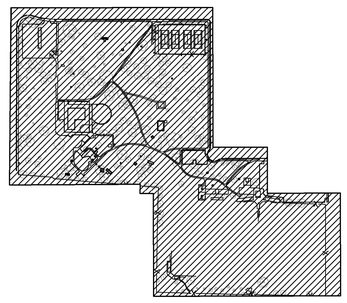
5541.2C



GENERAL SYMBOLS

- AREA DRAIN / YARD DRAIN
- CATCH BASIN
- CLEANOUT
- CURB INLET / DROP INLET
- ELECTRICAL CABINET
- ELECTRICAL METER BOX
- ELECTRICAL PULL BOX
- FIRE HYDRANT ASSEMBLY
- FOUND MONUMENT
- GAS METER BOX
- GAS VALVE BOX
- GUY WIRE
- HOSE BIB
- IRRIGATION VALVE BOX
- LIGHT
- POST OR BOLLARD
- SANITARY SEWER MANAINTENANCE HOLE
- SIGN POST
- STORM DRAIN MAINTENANCE HOLE
- SURVEY CONTROL POINT
- UTILITY POLE
- WATER METER BOX
- WATER VALVE BOX
- WATER SPRINKLER
- TRAFFIC SIGNAL PULL BOX
- TRAFFIC SIGNAL PULL BOX
- TABLE
- BENCH

KEY MAP



CONTROL POINTS TABLE

PT. NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
30	2162122.64	6336431.97	14.70	BRASS DISK CITY OF STOCKTON 15-12
31	2161739.49	6335875.73	13.15	BRASS DISK CITY OF STOCKTON 15-13
301	2161622.61	6335911.63	13.86	SET MAG NAIL AND SHINER
302	2161723.52	6336360.76	15.00	SET MAG NAIL AND SHINER
303	2161837.19	6336769.43	15.51	SET MAG NAIL AND SHINER
304	2161188.41	6336043.01	14.51	SET MAG NAIL AND SHINER
305	2161299.84	6336465.17	11.57	SET SCRIBE +
306	2161273.71	6336940.37	14.75	SET MAG NAIL AND SHINER
307	2161066.58	6336559.32	15.38	SET SCRIBE +
310	2161419.26	6337436.17	15.39	SET MAG NAIL AND SHINER
312	2160913.09	6336161.54	14.12	SET MAG NAIL AND SHINER
316	2161115.29	6336958.69	16.07	SET MAG NAIL AND WASHER
340	2163889.61	6332136.19	9.40	ALUMINUM DISK CITY OF STOCKTON CORP
501	2161620.11	6335951.23	13.81	SET MAG NAIL AND WASHER - KSN CONTROL
502	2161152.70	6336296.30	15.48	SET REBAR AND CAP - KSN CONTROL
503	2161776.03	6336588.20	15.96	SET MAG NAIL AND WASHER - KSN CONTROL
504	2161516.28	6336871.12	15.66	SET MAG NAIL AND WASHER - KSN CONTROL
505	2161093.26	6336772.78	15.54	SET REBAR AND CAP - KSN CONTROL
506	2161317.97	6337172.82	15.52	SET MAG NAIL AND WASHER - KSN CONTROL
507	2161513.29	6336188.09	14.25	SET REBAR AND CAP - KSN CONTROL
508	2161378.54	6336474.64	13.63	SET REBAR AND CAP - KSN CONTROL
10174	2161563.92	6335979.09	12.86	F CHSX BOW

MONUMENT PRESERVATION NOTES:

1. POINT NUMBER 10174 IS THE ONLY LOCAL FOUND EXISTING SURVEY MARKER WITHIN NEAR PROXIMITY TO THE PROJECT. IT IS SITUATED OUTSIDE THE LIMITS OF PROJECT WORK AND IT HAS NO KNOWN RECORDED INFORMATION.
2. IN THE ABOVE TABLE, ALL SET PROJECT CONTROL POINTS (301-316, 501-508) ARE NOT SUBJECT TO MONUMENT PRESERVATION REQUIREMENTS.

2

COORDINATES, BEARINGS, AND DISTANCES ARE BASED ON THE NORTH AMERICAN DATUM OF 1983 (NAD83) CONVERTED TO THE CALIFORNIA COORDINATE SYSTEM OF 1983, CCS83, ZONE 3 (1991.35 EPOCH), AS REFERENCED BY AVAILABLE CITY OF STOCKTON PUBLISHED CONTROL MONUMENTS, ALL DISTANCES ARE GRID. GROUND DISTANCES MUST BE MULTIPLIED BY A COMBINED SCALE FACTOR (CSF) OF 0.999938366 TO OBTAIN GRID DISTANCES. ELEVATIONS SHOWN ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). UNITS SHOWN ARE BASED ON THE U.S. SURVEY FOOT. A CONVERGENCE ANGLE OF - 0°28'45.5" AND THE CSF WERE DETERMINED AT CONTROL POINT 31.

SCALE: N.T.S.

0 – – –

PERMIT REVIEW SET

REGISTERED PROFESSIONAL ENGINEER JEFFREY D. KJELDSEN NO. 61898 CIVIL STATE OF CALIFORNIA 1-5-2023

Revision No.	Description	Date	By	Aprvd. By

KSN INC. KJELDSEN SINNOCK NEUDECK CIVIL ENGINEERS & LAND SURVEYORS
www.ksninc.com
711 N. Pershing Avenue, Stockton, CA 95203, 209-946-0268
1550 Harbor Blvd., Suite 212, West Sacramento, CA 95691, 916-403-5900

CONTACT 811 BEFORE YOU DIG 811 SAFE DIGGING ALERT

CALA
12150 Tributary Point Drive, Suite 140, Gold River, CA 95670
T 916.985.4366
www.callanderassociates.com

JANUARY 5 , 2023 CALA PROJECT NO. 21013

MCKINLEY PARK AND POOL RENOVATION

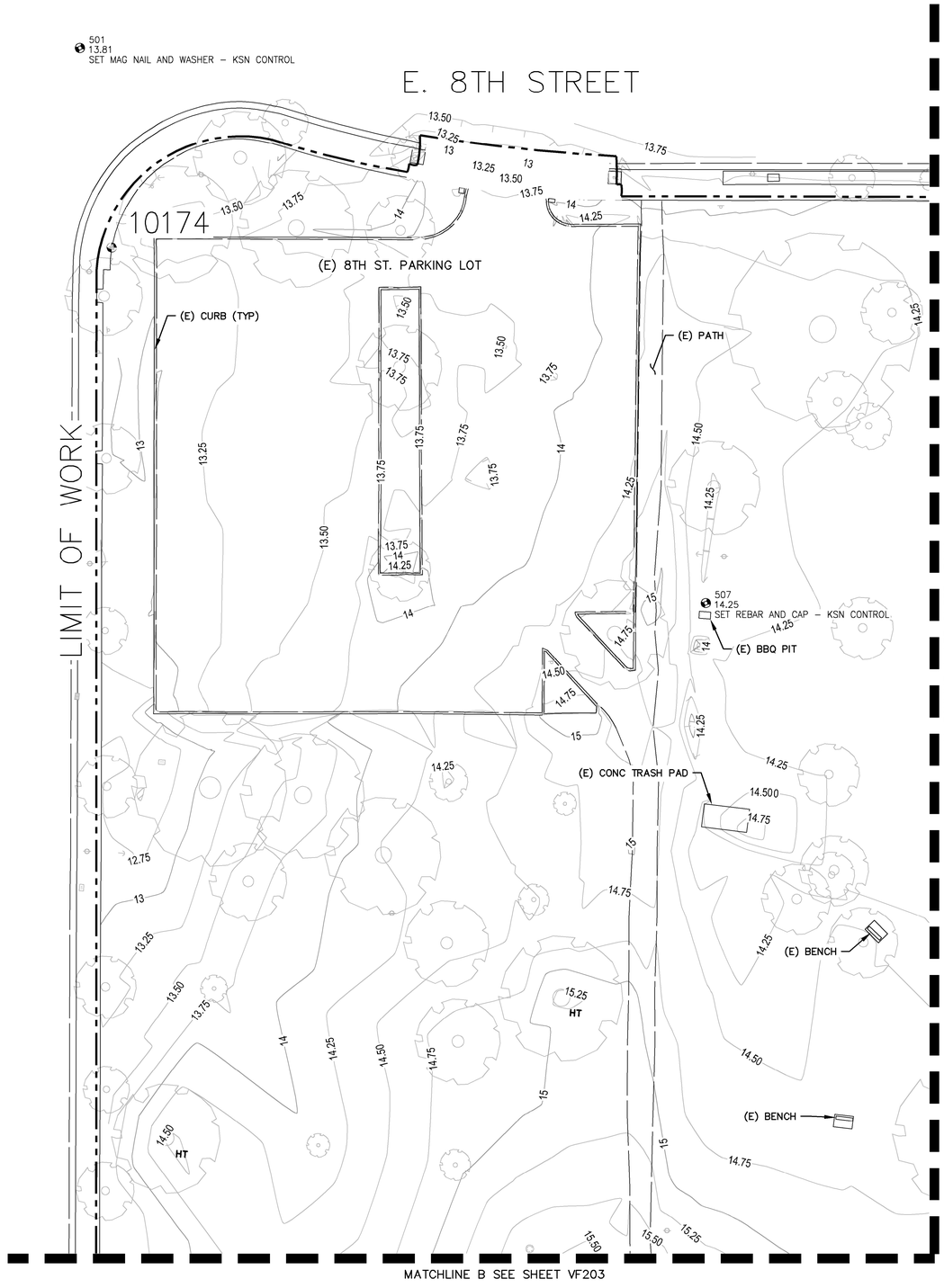
EXISTING TOPOGRAPHY / CONTROL PLAN

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

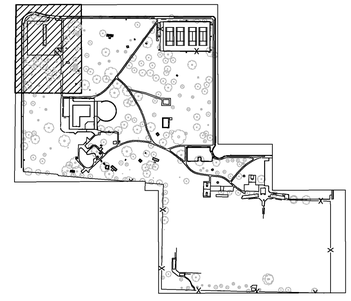
SCALE	AS SHOWN	APPROVED BY:	7/24/23 DATE
DESIGNED BY	JDK		CITY ENGINEER
DRAWN BY	PX		STOCKTON, CALIFORNIA
CHECKED BY	SKS		
RECORD DWGS.			

SHEET NO. VF101
4 OF 158 SHTS
WR21017 PROJECT NO.

5541.3C



KEY MAP



SCALE: 1"=20'

0 10' 20' 40'

PERMIT REVIEW SET

REGISTERED PROFESSIONAL ENGINEER
JEFFREY D. KJELDSEN
NO. 61898
CIVIL
STATE OF CALIFORNIA
1-5-2023

Revision No.	Description	Date	By	Aprvd. By

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1550 Harbor Blvd., Suite 212
West Sacramento, CA 95691
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CONTACT 811 BEFORE YOU DIG
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CALA
12150 Tributary Point Drive, Suite 140
Gold River, CA 95670
T 916.985.4366
www.callanderassociates.com

JANUARY 5 , 2023 CALA PROJECT NO. 21013

MCKINLEY PARK AND POOL RENOVATION

EXISTING TOPO PLAN 1

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE	SHEET NO. VF201
DESIGNED BY	JDK		5 OF 158 SHTS.
DRAWN BY	PX		
CHECKED BY	SKS	CITY ENGINEER	WR21017
RECORD DWGS.		STOCKTON, CALIFORNIA	PROJECT NO.

5541.4C

LIMIT OF WORK

LIMIT OF WORK

503
15.96
SET MAG NAIL AND WASHER – KSN CONTROL

(E) SIDEWALK

(E) BUS STOP

(E) WOODEN FENCE

(E) TENNIS COURTS

(E) TABLE

(E) BBQ

(E) DRINKING FOUNTAIN

(E) BENCH

(E) TABLE

(E) PATH

(E) CHAIN LINK FENCE AROUND (E) TENNIS COURTS

(E) BENCH

(E) STAND PIPE

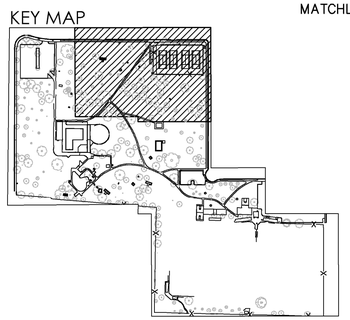
MATCHLINE A SEE SHEET VF201

MATCHLINE C SEE SHEET VF203

MATCHLINE C SEE SHEET VF204

504
15.66
SET MAG NAIL AND WASHER – KSN CONTROL

KEY MAP



SCALE: 1"=20'

0 10' 20' 40'

PERMIT REVIEW SET

REGISTERED PROFESSIONAL ENGINEER
JEFFREY D. KJELDSEN
NO. 61898
CIVIL
STATE OF CALIFORNIA
1-5-2023

Revision No.	Description	Date	By	Aprvd. By

KSN INC. KJELDSEN SINNOCK NEUDECK
CIVIL ENGINEERS & LAND SURVEYORS
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711 N. Pershing Avenue
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209-946-0268
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CALA
12150 Tributary Point Drive, Suite 140
Gold River, CA 95670
T 916.985.4366
www.callanderassociates.com

JANUARY 5 , 2023

CALA PROJECT NO. 21013

MCKINLEY PARK AND POOL RENOVATION

EXISTING TOPO PLAN 2

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN
DESIGNED BY	JDK
DRAWN BY	PX
CHECKED BY	SKS
RECORD DWGS.	

APPROVED BY: 7/24/23
DATE
CITY ENGINEER
STOCKTON, CALIFORNIA

SHEET NO.
VF202
6 OF 158 SHTS

WR21017
PROJECT NO.

5541.5C

MATCHLINE B SEE SHEET VF201

MATCHLINE D SEE SHEET VF204

LIMIT OF WORK

LIMIT OF WORK

(E) CHAIN LINK FENCE AROUND (E) POOL

(E) PATH

(E) DRINKING FOUNTAIN

(E) POOL HOUSE

(E) POOL

(E) AMPHITHEATER

(E) CHAIN LINK FENCE

(E) MONUMENT SIGN

(E) BLDG

(E) UTL VAULT

(E) PUMP BLDG

(E) BENCH

(E) PATH

(E) TABLE

(E) PLAY AREA

(E) BENCH

(E) TABLE

(E) BENCH

(E) TABLE

(E) CHAIN LINK FENCE

(E) TABLE

HT

508
13.63
SET REBAR AND CAP – KSN CONTROL

305
11.57
SET SCRIBE +

502
15.48
SET REBAR AND CAP – KSN CONTROL

307
15.38
SET SCRIBE +

312
14.12
SET MAG NAIL AND SHINER

MAG NAIL AND SHINER

KEY MAP

SCALE: 1"=20'

0 10' 20' 40'

PERMIT REVIEW SET

REGISTERED PROFESSIONAL ENGINEER
JEFFREY D. KJELDSEN
NO. 61898
CIVIL
STATE OF CALIFORNIA
1-5-2023

Revision No.	Description	Date	By	Aprvd. By

KSN INC. KJELDSEN SINNOCK NEUDECK
CIVIL ENGINEERS & LAND SURVEYORS
www.ksninc.com
711 N. Pershing Avenue
Stockton, CA 95203
209-946-0268
1550 Harbor Blvd., Suite 212
West Sacramento, CA 95691
916-403-5900

CONTACT 811 BEFORE YOU DIG
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CALA
12150 Tributary Point Drive, Suite 140
Gold River, CA 95670
T 916.985.4366
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JANUARY 5 , 2023 CALA PROJECT NO. 21013

MCKINLEY PARK AND POOL RENOVATION

EXISTING TOPO PLAN 3

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE	SHEET NO.
DESIGNED BY	JDK		VF203
DRAWN BY	PX		7 OF 158 SHTS
CHECKED BY	SKS	CITY ENGINEER	WR21017
RECORD DWGS.		STOCKTON, CALIFORNIA	PROJECT NO.

5541.6C

MATCHLINE C SEE SHEET VF202

MATCHLINE D SEE SHEET VF203

(E) RESTROOM BLDG

(E) BLDG

(E) TABLE

(E) PATH

(E) BENCH

(E) TABLE

(E) 9TH ST.
PARKING LOT

306
14.75
SET MAG NAIL AND SHINER

(E) CURB

LIMIT OF WORK

506
15.52
SET MA

505
15.54
SET REBAR AND CAP – KSN CONTROL

316
16.07
SET MAG NAIL AND WASHER

(E) BENCH

(E) BENCH

(E) BENCH

(E) CURB

(E)
BASKETBALL
COURT

(E)
HANDBALL
COURT

(E)
BASKETBALL
COURT

(E)
VOLLEYBALL
COURT

(E)
RESTROOM
BLDG

HT

S. SAN JOAQUIN STREET

LIMIT OF WORK

E. 9TH STREET

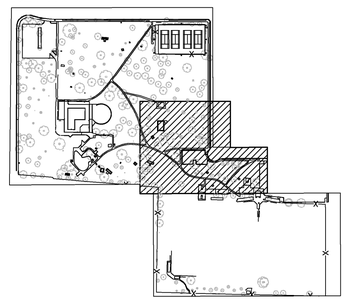
MATCHLINE E SEE SHEET VF205

PERMIT REVIEW SET

SCALE: 1"=20'

0 10' 20' 40'

KEY MAP



Revision No.	Description	Date	By	Aprvd. By

REGISTERED PROFESSIONAL ENGINEER
JEFFREY D. KJELDSEN
NO. 61898
CIVIL
STATE OF CALIFORNIA
1-5-2023

KSN INC. KJELDSEN SINNOCK NEUDECK
CIVIL ENGINEERS & LAND SURVEYORS
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711 N. Pershing Avenue
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Gold River, CA 95670
T 916.985.4366
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JANUARY 5 , 2023

CALA PROJECT NO. 21013

MCKINLEY PARK AND POOL RENOVATION

EXISTING TOPO PLAN 4

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE	SHEET NO. VF204
DESIGNED BY	JDK		8 OF 158 SHTS
DRAWN BY	PX		
CHECKED BY	SKS	CITY ENGINEER	WR21017 PROJECT NO.
RECORD DWGS.		STOCKTON, CALIFORNIA	

5541.7C

MATCHLINE E SEE SHEET VF204

(E) BASKETBALL COURT

(E) HANDBALL COURT

(E) BLEACHERS

(E) CHAIN LINK FENCE

(E) CHAIN LINK FENCE

(E) BASEBALL FIELD

(E) BACKSTOP

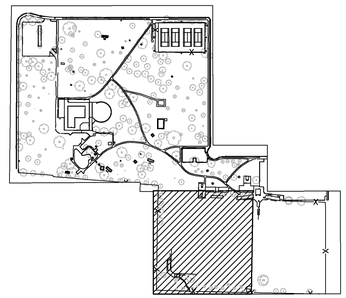
(E) BLEACHERS

(E) PATH

(E) STRUCTURE

MATCHLINE F SEE SHEET L1.05

KEY MAP



SCALE: 1"=20'

0 10' 20' 40'

PERMIT REVIEW SET

REGISTERED PROFESSIONAL ENGINEER
JEFFREY D. KJELDSEN
NO. 61898
CIVIL
STATE OF CALIFORNIA
1-5-2023

Revision No.	Description	Date	By	Aprvd. By

KJELDSEN SINNOCK NEUDECK
CIVIL ENGINEERS & LAND SURVEYORS
www.ksninc.com
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Stockton, CA 95203
209-946-0268
1550 Harbor Blvd., Suite 212
West Sacramento, CA 95691
916-403-5900

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JANUARY 5 , 2023

CALA PROJECT NO. 21013

MCKINLEY PARK AND POOL RENOVATION

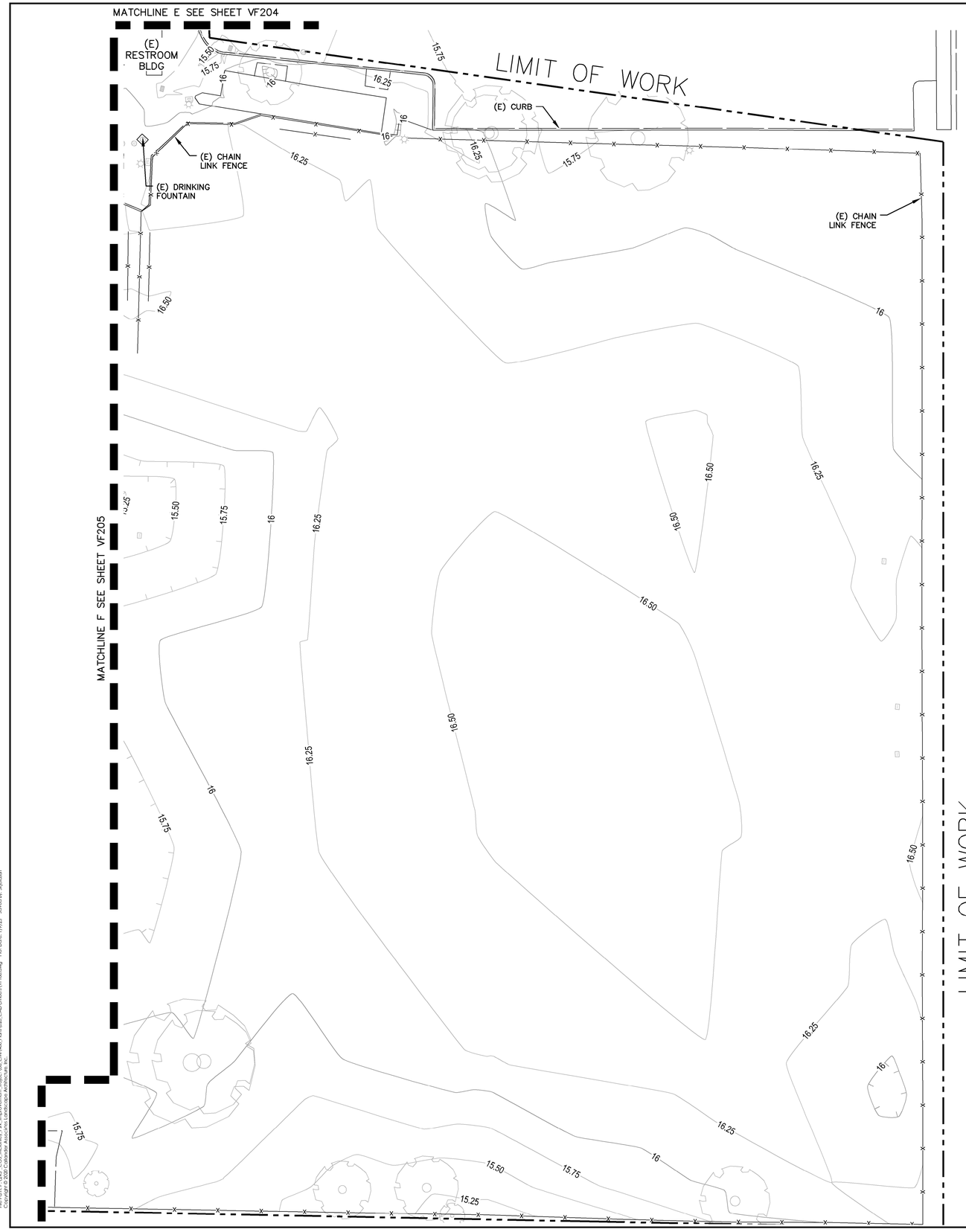
EXISTING TOPO PLAN 5

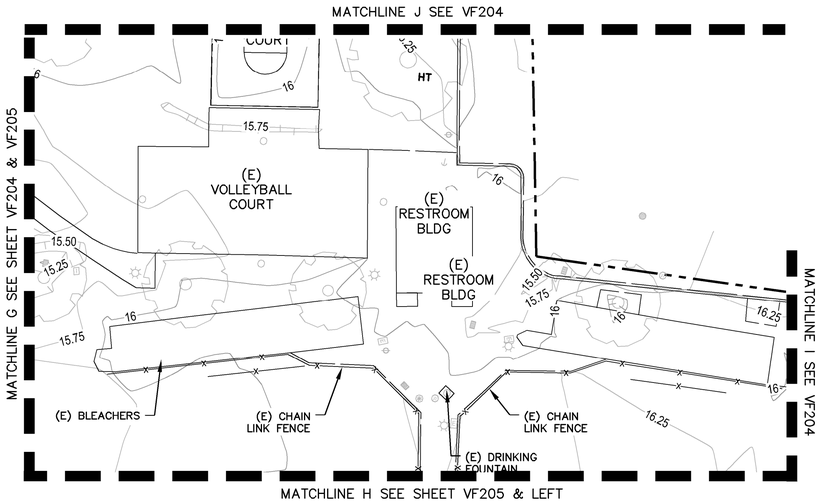
DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY:	7/24/23 DATE
DESIGNED BY	JDK		
DRAWN BY	PX		
CHECKED BY	SKS		CITY ENGINEER
RECORD DWGS.		STOCKTON, CALIFORNIA	

SHEET NO. VF205
9 OF 158 SHTS
WR21017 PROJECT NO.

5541.8C





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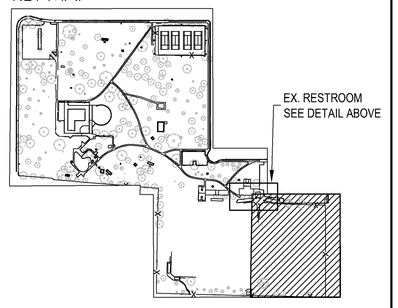

SCALE: 1"=20'

0 10' 20' 40'

PERMIT REVIEW SET

REGISTERED PROFESSIONAL ENGINEER
JEFFREY D. KJELDSEN
NO. 61898
CIVIL
STATE OF CALIFORNIA
1-5-2023

Revision No.	Description	Date	By	Aprvd. By

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JANUARY 5 , 2023 CALA PROJECT NO. 21013

MCKINLEY PARK AND POOL RENOVATION

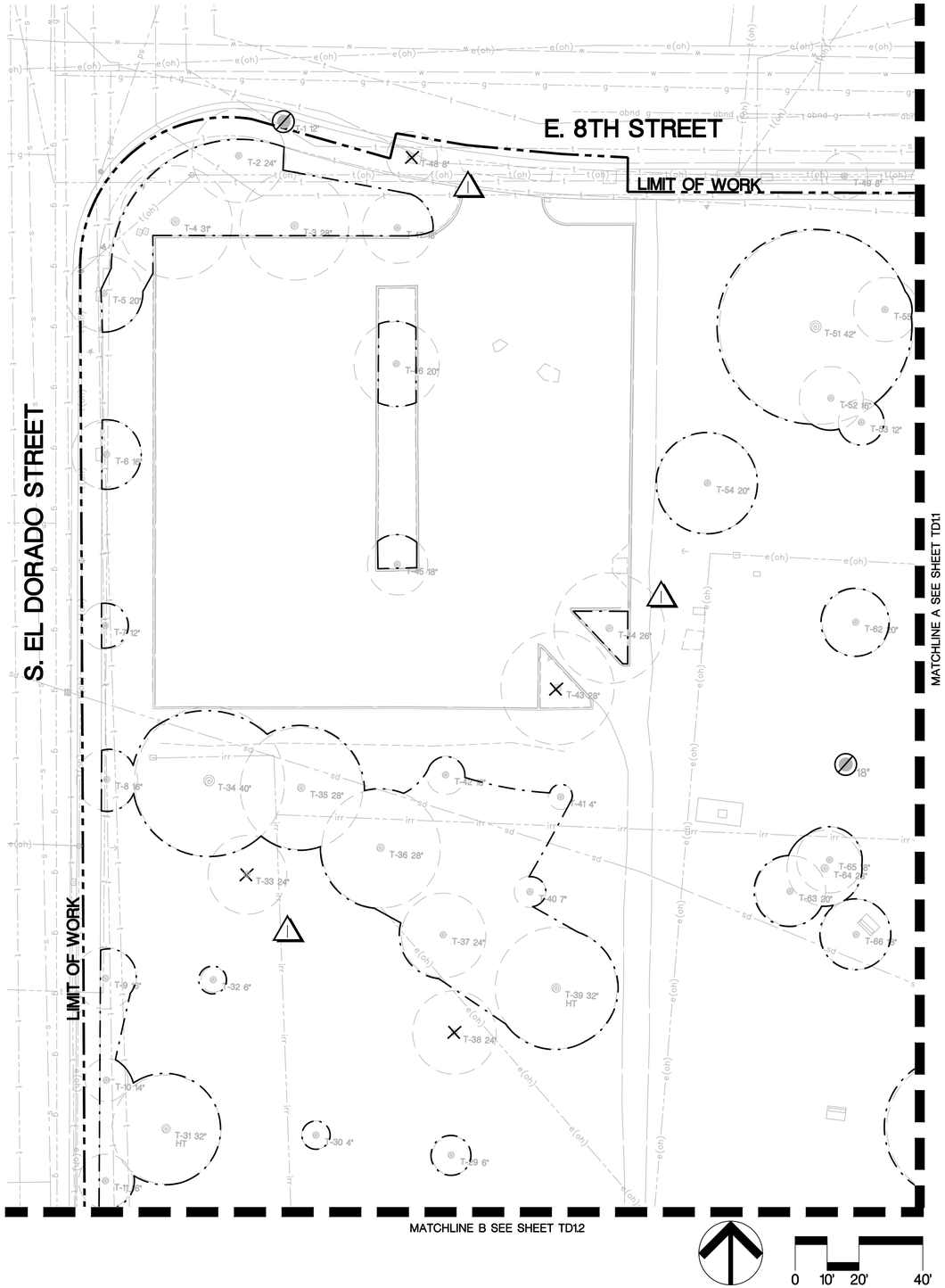
EXISTING TOPO PLAN 6

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY:	7/24/23 DATE
DESIGNED BY	JDK		
DRAWN BY	PX		
CHECKED BY	SKS		CITY ENGINEER
RECORD DWGS.			STOCKTON, CALIFORNIA

SHEET NO. VF206
10 OF 158 SHTS
WR21017 PROJECT NO.

5541.9C



SEE SHEET TD1.0 FOR TREE PROTECTION NOTES

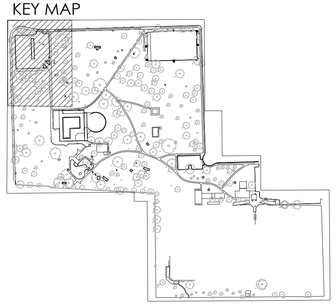
TREE PROTECTION NOTES

1. GENERAL: TREE PROTECTION SHALL COMPLY WITH THE SPECIFICATIONS AND WITH THE "ARBORIST REPORT FOR THE MCKINLEY PARK" PREPARED BY CALLANDER ASSOCIATES, DATED MAY 10, 2021.
2. TREE PROTECTION ZONE: THE TREE PROTECTION ZONE (TPZ) SHALL BE REGARDED AS THE AREA BENEATH A TREE'S CANOPY, OR EXTENDING FROM THE FACE OF THE TRUNK TO 10 TIMES THE TREE'S DIAMETER AT BREAST HEIGHT (DBH), WHICHEVER IS GREATER. THERE SHALL BE NO DUMPING, WASHING OUT, OR STORAGE OF EQUIPMENT OR MATERIALS WITHIN THE TPZ OF ANY TREE.
3. TREE PROTECTION FENCING: TREE PROTECTION ZONES SHALL BE FENCED ACCORDING TO THE "ARBORIST REPORT FOR THE MCKINLEY PARK" PREPARED BY CALLANDER ASSOCIATES, DATED MAY 10, 2021. FENCING SHALL BE ERECTED PRIOR TO ANY DEMOLITION OR CONSTRUCTION ON SITE. FENCING SHALL NOT BE REMOVED BEFORE PROJECT COMPLETION OR MODIFIED TO FACILITATE CONSTRUCTION ACTIVITIES WITHOUT PRIOR AUTHORIZATION FROM THE PROJECT CITY ARBORIST. FENCING MAY BE INSTALLED IN A SINGLE RUN AROUND MULTIPLE TREES.
4. ADDITIONAL TREE PROTECTION REQUIREMENTS: SEE SPECIFICATION SECTIONS 16 "DEMOLITION, CLEARING AND GRUBBING" AND 32 01 91 "TREE PROTECTION AND PRUNING" FOR ADDITIONAL TREE PROTECTION REQUIREMENTS.

TREE DISPOSITION LEGEND

- (E) TREE TO BE REMOVED PER SECTION 16 OF SPECIFICATIONS. TREE REMOVAL WORK TO BE PERFORMED BY THE GREATER VALLEY CONSERVATION COPRS UNDER THE DIRECTION AND IN COORDINATION WITH THE GENERAL CONTRACTOR. (1)
- T-XX — EXISTING TREE TO REMAIN, PROTECT IN PLACE
  - XX" — DENOTES DIAMETER AT BREAST HEIGHT
  - T-XX — DENOTES TREE NUMBER PER ARBORIST REPORT
- HT — HERITAGE OAK TREE PER CITY OF STOCKTON MUNICIPAL CODE
- (E) STUMP TO BE GROUND DOWN, FOR BIDDING PURPOSES ASSUME TRUNK IS CUT WITHIN 30" OF GROUND LEVEL. STUMP GRINDING WORK TO BE PERFORMED BY THE GREATER VALLEY CONSERVATION CORPS UNDER THE DIRECTION AND IN COORDINATION WITH THE GENERAL CONTRACTROR. (1)
  - XX" — DENOTES DIAMETER OF TREE STUMP
- TREE PROTECTION FENCING, SEE NOTE 3 ON THIS SHEET
- LIMIT OF WORK

KEY MAP



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JANUARY 5, 2023 CALA PROJECT NO. 21013

MCKINLEY PARK RENOVATIONS PROJECT

TREE DISPOSITION

PERMIT REVIEW SET

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By
1	RESPONSE TO PERMIT CYCLE 1 COMMENTS	11/14/22		

SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE	SHEET NO.
DESIGNED BY	DCM		TD1.0
DRAWN BY	CM		11 OF 156 SHTS
CHECKED BY	BW	CITY ENGINEER	WR21017
RECORD DWGS.		STOCKTON, CALIFORNIA	PROJECT NO.

5541.10C

REGISTERED LANDSCAPE ARCHITECT BENJAMIN W. WICKHAM NO. 6066 STATE OF CALIFORNIA
Signature
May 31, 2024
Renewal Date
Date

E. 8TH STREET

LIMIT OF WORK

LIMIT OF WORK

S. SAN JOAQUIN STREET

LIMIT OF WORK

MATCHLINE A SEE SHEET TD10

MATCHLINE C SEE SHEET TD12

MATCHLINE E SEE SHEET TD12

MATCHLINE D SEE SHEET TD13

PERMITTED HERITAGE OAK TREE REMOVAL

PERMITTED HERITAGE OAK TREE REMOVAL

PERMITTED HERITAGE OAK TREE REMOVAL

PERMITTED HERITAGE OAK TREE REMOVAL

PERMITTED HERITAGE OAK TREE REMOVAL

T-56 4"
T-57 12"
T-58 12"
T-59 22"
T-60 16" HT
T-61 18" HT
T-67 18"
T-68 18"
T-69 38"
T-70 10"
T-71 10"
T-72 48"
T-73 10"
T-74 28"
T-75 14"
T-76 6"
T-77 8"
T-78 6"
T-79 6"
T-80 16"
T-82 6"
T-83 6"
T-85 24"
T-86 24"
T-87 24"
T-88 28"
T-89 52"
T-90 28" HT
T-91 16" HT
T-92 18"
T-93 28"
T-94 28"
T-95 24"
T-96 24"
T-97 26"
T-98 28"
T-99 28"
T-100 26"
T-101 26" HT
T-102 22"
T-103 28"
T-104 24"
T-105 18"
T-106 26"
T-107 26" HT
T-108 30"
T-109 28" HT
T-110 40" HT
T-112 12"
T-113 4"
T-114 28"
T-115 24"
T-116 22" HT
T-117 28" HT
T-118 10"
T-119 14"
T-120 12"
T-144 30"
T-193 20" HT
T-195 20" HT
T-196 18" HT
T-197 20" HT
T-198 12"
T-199 4"
T-200 16" HT
T-201 8" HT
T-257 24"

SEE SHEET TD1.0 FOR TREE PROTECTION NOTES

KEY MAP

0 10' 20' 40'

PERMIT REVIEW SET

Revision No.	Description	Date	By	Aprvd. By
1	RESPONSE TO PERMIT CYCLE 1 COMMENTS	11/14/22		

RICHARD W. WORKMAN, NO. 5541, LANDSCAPE ARCHITECT, STATE OF CALIFORNIA
Signature
May 31, 2024
Renewal Date
Date

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JANUARY 5, 2023 CALA PROJECT NO. 21013

MCKINLEY PARK RENOVATIONS PROJECT

TREE DISPOSITION

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE	SHEET NO. TD1.1
DESIGNED BY	DCM		12 OF 156 SHTS
DRAWN BY	CM		
CHECKED BY	BW	CITY ENGINEER	WR21017 PROJECT NO.
RECORD DWGS.		STOCKTON, CALIFORNIA	

5541.11C

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MATCHLINE B SEE SHEET TD1.0

MATCHLINE C SEE SHEET TD1.1

MATCHLINE E SEE SHEET TD1.3

S. EL DORADO STREET

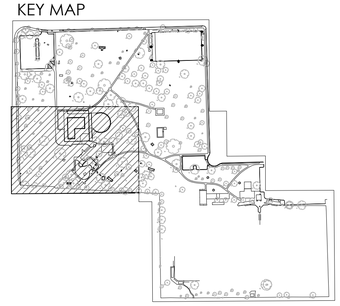
LIMIT OF WORK

EXISTING POOL HOUSE

LIMIT OF WORK

T-12 16"
T-26 14"
T-25 14"
T-24 10"
T-28 4"
24"
15"
T-24 6"
T-23 5"
T-22 42"
T-13 12"
T-21 16" HT
T-20 22" HT
T-14 12"
T-19 33" HT
24"
T-15 24"
T-192 36"
T-191 6"
36"
T-190 14"
T-18 24" HT
T-189 42"
T-16 28"
T-17 20"
T-188 14"
T-187 20"
T-186 16"
T-182 18"
T-180 18"
T-179 20"
T-183 36"
T-184 26"
T-185 44"
T-181 44"
T-176 42"
T-174 24"
T-175 [illegible]
T-173 32"
T-172 24"
T-171 14"
T-170 14"
T-177 48"
T-178 40"
T-169 14"
T-168 18"
T-166 18"
T-145 26"
48"
36"
T-143 32"
T-142 24"
T-147 32" HT
T-146 24"
T-148 24"
T-153 [illegible]
T-149 24"
T-154 [illegible]
T-155 24"
T-152 30"
T-151 30"
T-150 24"
24"
24"
24"

KEY MAP



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JANUARY 5, 2023 CALA PROJECT NO. 21013

MCKINLEY PARK RENOVATIONS PROJECT

TREE DISPOSITION

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

PERMIT REVIEW SET

SEE SHEET TD1.0 FOR TREE PROTECTION NOTES

0 10' 20' 40'

REGISTERED LANDSCAPE ARCHITECT
BRENDAN W. WATKINS, RLA
Signature
May 31, 2024
Renewal Date
Date
STATE OF CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By
1	RESPONSE TO PERMIT CYCLE 1 COMMENTS	11/14/22		

SCALE	AS SHOWN
DESIGNED BY	DCM
DRAWN BY	CM
CHECKED BY	BW
RECORD DWGS.	

APPROVED BY: 7/24/23
DATE
CITY ENGINEER
STOCKTON, CALIFORNIA

SHEET NO. TD1.2
13 OF 156 SHTS
WR21017
PROJECT NO.

5541.12C

File Path: T:\Projects\2021\21013.McKinley\Park And\Pool\Renovation\3_Construction\Documents\21013-TD.dwg Plot Date: 7/12/23 Saved By: Cmo

MATCHLINE D SEE SHEET TD1.1

MATCHLINE E SEE SHEET TD1.2

S. SAN JOAQUIN STREET

LIMIT OF WORK

E. 9TH STREET

MATCHLINE H SEE SHEET TD1.5

MATCHLINE I SEE SHEET TD1.5

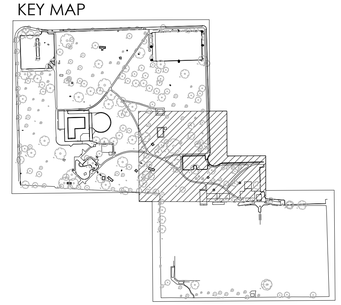
MATCHLINE F SEE SHEET TD1.4

T-141 10"
T-124 10"
T-142 10"
T-122 12"
T-123 5"
T-140 12"
T-125 28"
T-126 28" HT
T-139 36"
T-128 4"
T-127 29"
T-135 18"
T-143 10"
T-129 18"
T-136 24"
T-131 26"
T-134 64"
T-130 20"
T-138 18"
T-137 30" HT
T-132 12"
T-156 24"
T-158 26"
T-157 42" HT
T-202 42"
T-203 10" HT
T-204 42"
T-209 26"
T-211 12"
T-212 12"
T-213 10"
T-214 14"
T-215 7"
T-216 18"
T-217 10"
T-218 12"
T-206 12"
T-205 10"
T-207 10"
T-208 36" HT
T-210 10"
T-219 18"
T-220 20"
T-160 24"
T-159 22"
T-161 24"
T-162 24"
T-164 20"
T-163 26"
T-256 24"
T-255 22"

SEE SHEET TD1.0 FOR TREE PROTECTION NOTES

0 10' 20' 40'

KEY MAP



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JANUARY 5, 2023 CALA PROJECT NO. 21013

MCKINLEY PARK RENOVATIONS PROJECT

TREE DISPOSITION

PERMIT REVIEW SET

EDWARD W. BOSWORTH, JR. LANDSCAPE ARCHITECT
Signature
May 31, 2024
Renewal Date
Date
STATE OF CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By
1	RESPONSE TO PERMIT CYCLE 1 COMMENTS	11/14/22		

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE	SHEET NO. TD1.3
DESIGNED BY	DCM	CITY ENGINEER	14 OF 156 SHTS
DRAWN BY	CM	STOCKTON, CALIFORNIA	WR21017 PROJECT NO.
CHECKED BY	BW		
RECORD DWGS.			

5541.13C

MATCHLINE F SEE SHEET TD13

MATCHLINE I SEE SHEET TD15

MATCHLINE J SEE SHEET TD15

MATCHLINE M SEE SHEET TD15

LIMIT OF WORK

T-254 18"

T-253 30"

T-252 30"

T-251 30"

12"

T-222 18"

T-223 20"

T-249 12"

T-250 36"

T-248 10"

T-245 22"

T-247 16"

T-246 10"

T-244 5"

T-243 5"

T-242 6"

T-241 10"

T-240 10"

T-239 10"

T-238 8"

T-237 8"

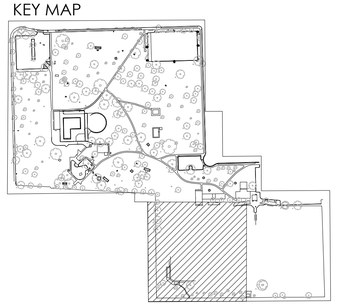
T-236 8"

T-235 24"

PERMITTED HERITAGE OAK TREE REMOVAL

LIMIT OF WORK

KEY MAP



SEE SHEET TD1.0 FOR TREE PROTECTION NOTES

CALL BEFORE YOU DIG USA 800-642-2444

0 10' 20' 40'

PERMIT REVIEW SET

LICENSED LANDSCAPE ARCHITECT BENJAMIN W. WILKINS, JR. Signature May 31, 2024 Renewal Date Date STATE OF CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By
1	RESPONSE TO PERMIT CYCLE 1 COMMENTS	11/14/22		

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JANUARY 5, 2023 CALA PROJECT NO. 21013

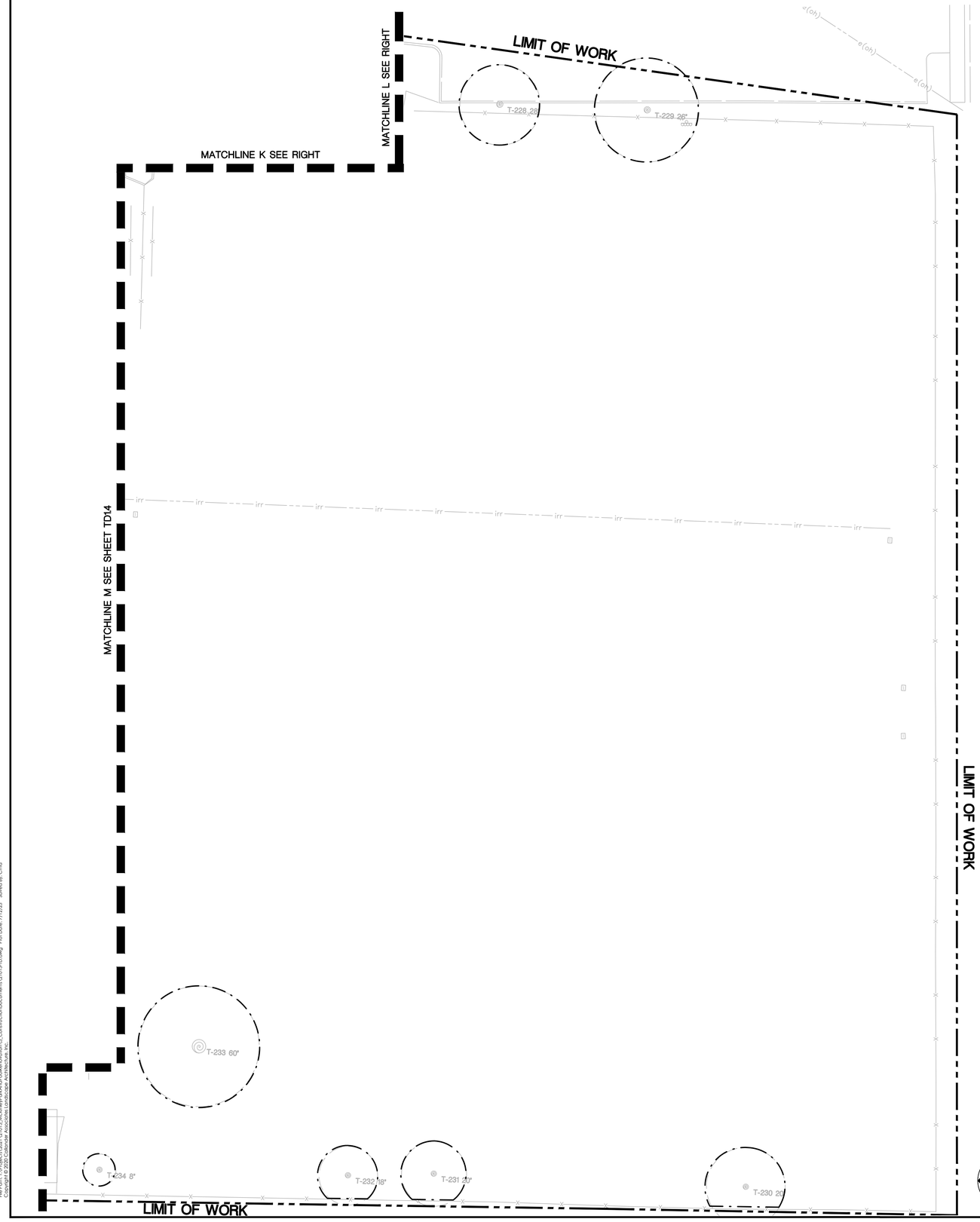
MCKINLEY PARK RENOVATIONS PROJECT

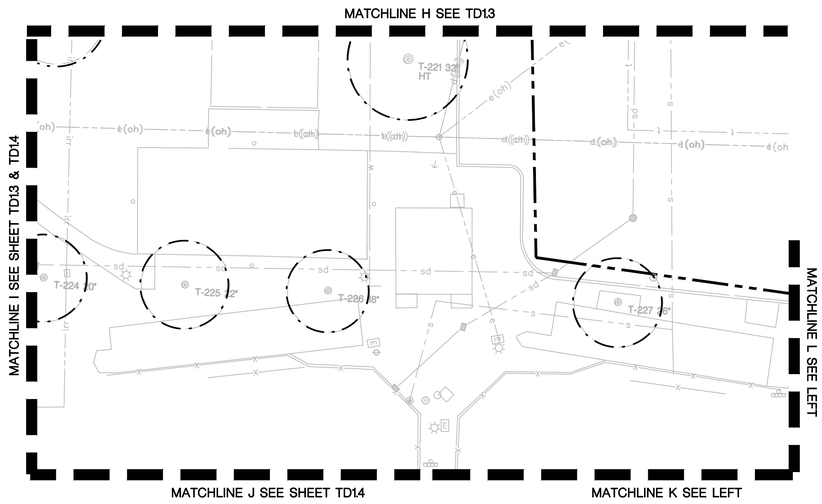
TREE DISPOSITION

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

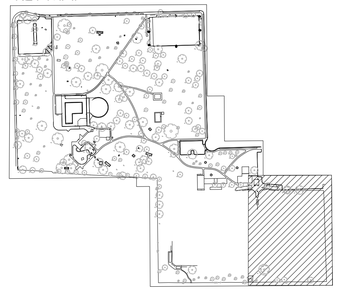
SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE	SHEET NO. TD1.4
DESIGNED BY	DCM	CITY ENGINEER	15 OF 156 SHTS
DRAWN BY	CM	STOCKTON, CALIFORNIA	WR21017 PROJECT NO.
CHECKED BY	BW		
RECORD DWGS.			

5541.14C





KEY MAP



SEE SHEET TD1.0 FOR TREE PROTECTION NOTES

0 10' 20' 40'

PERMIT REVIEW SET

REGISTERED LANDSCAPE ARCHITECT — RICHARD W. MOORHEAD, III — Signature — May 31, 2024 Renewal Date — Date — STATE OF CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By

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JANUARY 5, 2023 — CALA PROJECT NO. 21013

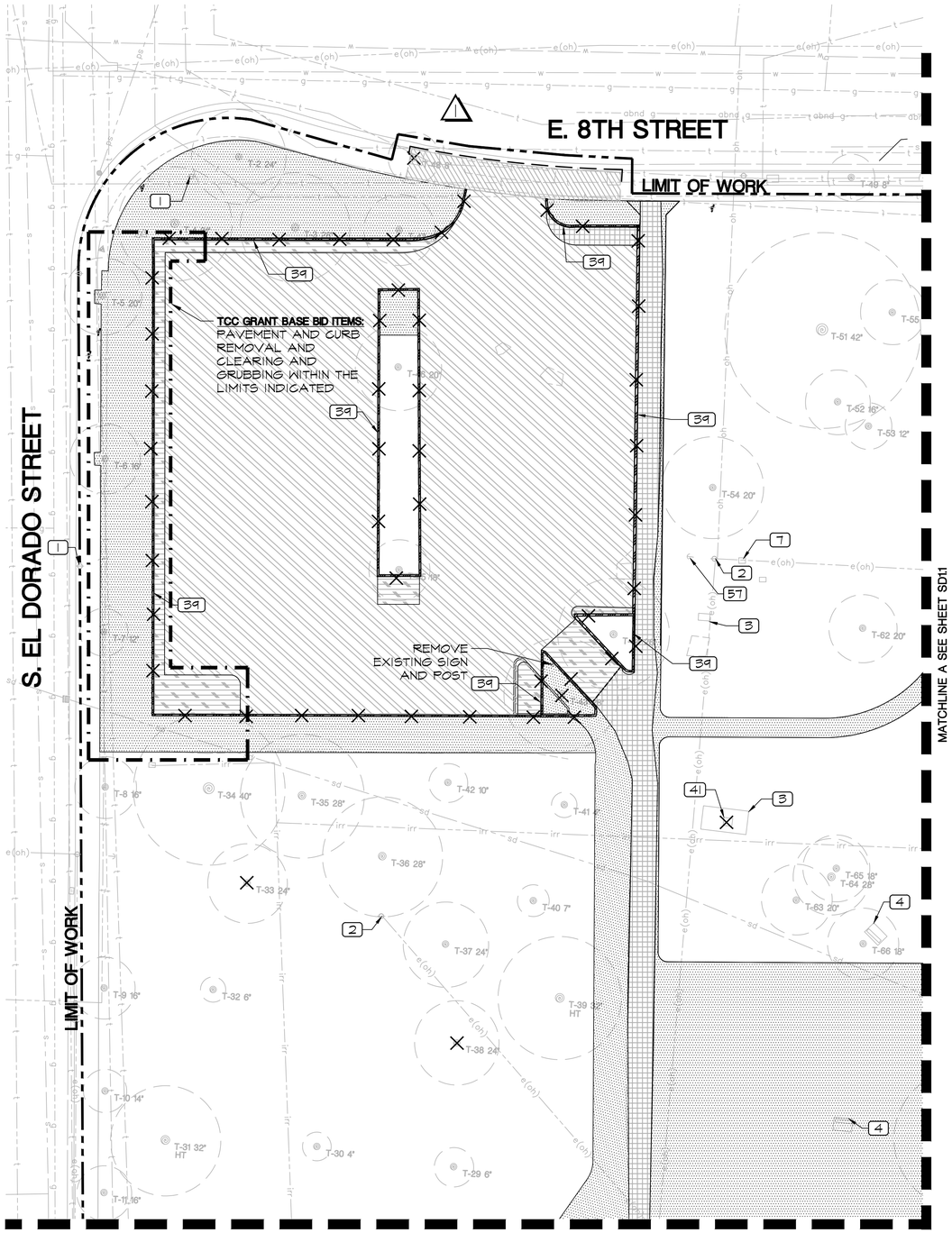
MCKINLEY PARK RENOVATIONS PROJECT

TREE DISPOSITION

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE	SHEET NO. TD1.5
DESIGNED BY	DCM		16 OF 156 SHTS
DRAWN BY	CM		
CHECKED BY	BW	CITY ENGINEER	WR21017 PROJECT NO.
RECORD DWGS.		STOCKTON, CALIFORNIA	

5541.15C



DEMOLITION NOTES

1. CONTRACTOR SHALL REVIEW DEMOLITION, AND CLEARING AND GRUBBING REQUIREMENTS ON SITE WITH OWNER'S REPRESENTATIVE PRIOR TO COMMENCING DEMOLITION OPERATIONS.
2. IRRIGATION EQUIPMENT: SEE IRRIGATION DEMOLITION PLAN IDI.0-IDI.5 FOR DISPOSITION OF EXISTING IRRIGATION PIPING AND EQUIPMENT.
3. SAWCUTTING: ALL PAVEMENT AND CURB REMOVAL AS SHOWN ON THE PLAN SHALL BE ACCOMPLISHED BY SAWCUTS MADE AT THE NEAREST CONTROL JOINT.
4. REFER TO SPECIFICATIONS APPENDIX B "ASBESTOS AND LEAD-CONTAINING PAINT SURVEY REPORT" FOR INFORMATION REGARDING PRESENCE OF ASBESTOS AND LEAD-CONTAINING PAINT WITHIN THE PROJECT WORK AREA.
5. ALL EXISTING UNUSED UTILITY LINES OR PIPES BENEATH THE CANOPIES OF PROTECTED TREES SHALL BE ABANDONED OR CUT OFF 6" BELOW FINISHED SOIL GRADE.

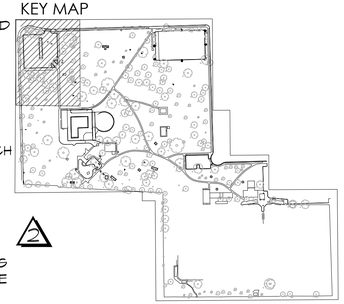
DEMOLITION KEY NOTES

1. UTILITY POLE TO REMAIN
2. REMOVE OR RELOCATE UTILITY POLE (SEE ELECTRICAL PLANS EI.00-EI.06)
3. CONCRETE PAD TO REMAIN
4. BENCH AND CONCRETE PAD TO REMAIN
5. REMOVE AND DISPOSE OF BENCH AND CONCRETE PAD
6. REMOVE AND DISPOSE OF CONCRETE PICNIC TABLE AND CONCRETE PAD
7. REMOVE AND DISPOSE OF BBQ, FOOTING, AND PAD
8. REMOVE AND DISPOSE OF DRINKING FOUNTAIN, FOUNDATION AND CONCRETE PAD (SEE CIVIL PLANS FOR REMOVAL OF ASSOCIATED UTILITY LINES)
9. REMOVE AND DISPOSE OF CONCRETE PICNIC TABLE AND CONCRETE PAD
10. CONCRETE PICNIC TABLE AND CONCRETE PAD TO REMAIN
11. CONCRETE PAVEMENT TO REMAIN
12. LIGHT POLE AND CONCRETE PAD TO REMAIN (SEE ELECTRICAL PLANS FOR ADDITIONAL INFORMATION)
13. REMOVE AND DISPOSE OF METAL BLEACHERS
14. REMOVE AND DISPOSE OF CONCRETE BENCH
15. REMOVE AND DISPOSE OF EXISTING 12FT CHAIN LINK FENCE FABRIC AND CUT EXISTING FNCE POSTS TO 6FT ABOVE FINISH GRADE.
16. REMOVE AND DISPOSE OF TENNIS COURT NET, NET POSTS, FOUNDATIONS
17. REMOVE AND DISPOSE OF TENNIS COURT TURNSTILE/GATE
18. ELECTRICAL BOX TO REMAIN
19. REMOVE AND DISPOSE OF CONCRETE STAND PIPE PER CIVIL PLANS
20. REMOVE AND DISPOSE OF CONCRETE HOSEBIB/RECEPTACLE BOLLARD
21. DEMOLISH, REMOVE AND DISPOSE OF POOL HOUSE BUILDING AND ALL ASSOCIATED COMPONENTS, FOUNDATION, AND FIXTURES IN THEIR ENTIRETY (SEE CIVIL AND ELECTRICAL PLANS FOR REMOVAL AND RE-ROUTING OF EXISTING UTILITIES). SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS RELATED TO THE REMOVAL OF STRUCTURES.
22. REMOVE AND DISPOSE OF 8FT CHAIN LINK FENCE, FENCE GATES, INCLUDING POSTS, FOOTINGS, FABRIC AND HARDWARE
23. REMOVE AND DISPOSE OF EXISTING CHAIN LINK FENCE. CUT POSTS FLUSH WITH TOP OF WALL AND FILL REMAINING POST OPENING WITH NON-SHRINK GROUT
24. IRRIGATION PUMP BUILDING AND ASSOCIATED EQUIPMENT TO REMAIN. PROTECT IN PLACE.
25. CONCRETE CURB TO REMAIN
26. SPORTS COURT AND EQUIPMENT TO REMAIN
27. REMOVE AND DISPOSE OF METAL POST AND FOOTING
28. REMOVE, STORE AND PROTECT, AND REPLACE BIKE RACK PER SITE CONSTRUCTION PLAN
29. DEMOLISH, REMOVE, AND DISPOSE OF RESTROOM BUILDING AND ALL ASSOCIATED COMPONENTS, FOUNDATION, AND FIXTURES IN THEIR ENTIRETY (SEE CIVIL AND ELECTRICAL PLANS FOR REMOVAL AND RE-ROUTING OF EXISTING UTILITIES). SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS RELATED TO THE REMOVAL OF STRUCTURES.
30. REMOVE AND DISPOSE OF CONCRETE BLEACHERS
31. SAWCUT CLEAN EDGE AT POOL DECK AFTER REMOVAL OF POOL HOUSE BUILDING
32. REMOVE AND DISPOSE OF 18FT. CHAIN LINK FENCE INCLUDING POSTS, FOOTINGS, FABRIC, AND HARDWARE
33. REMOVE AND DISPOSE OF BACKSTOP
34. CUT POST FLUSH WITH PAVEMENT AND FILL WITH GROUT
35. REMOVE AND DISPOSE OF PLAYER'S BENCH
36. CHAIN LINK FENCE TO REMAIN
37. LIGHT POLE TO REMAIN
38. REMOVE OR RELOCATE LIGHT POLE (SEE ELECTRICAL PLANS EI.00-EI.06)
39. REMOVE AND DISPOSE OF CONCRETE CURB
40. EXISTING GAS LINE STUB. COORDINATE WITH PG&E TO CONFIRM DEACTIVATION OF SERVICE PRIOR TO BUILDING DEMOLITION. CAP EXISTING LINE 12" BELOW FINISH GRADE. ABANDON EXISTING LINE IN PLACE.
41. REMOVE AND DISPOSE OF CONCRETE BOX
42. REMOVE AND DISPOSE OF EXISTING MECHANICAL, PLUMBING, AND ELECTRICAL EQUIPMENT FROM BASEMENT MECHANICAL ROOM. SEE DETAIL 1/SC1.7
43. EXISTING STRUCTURE TO REMAIN
44. REMOVE AND REPLACE 5' CHAIN LINK FENCE POSTS, FOOTINGS, FABRIC, RAILINGS, AND HARDWARE WITH NEW.
45. REMOVE AND REPLACE 5' FENCE POSTS WITH NEW.
46. REMOVE AND REPLACE 5' CHAIN LINK FENCE FABRIC, RAILS, AND FITTINGS WITH NEW.
47. REMOVE AND REPLACE 3' CHAIN LINK FENCE POSTS, FOOTINGS, FABRIC, AND HARDWARE WITH NEW.
48. REMOVE AND REPLACE 3' FABRIC, RAILS, FITTINGS WITH NEW.
49. MCKINLEY PARK SIGN TO BE RELOCATED PER SITE CONSTRUCTION PLANS. REPAIR DISTURBED AREA WITH TURF FROM SOD. ⚠1
50. REMOVE EXISTING DOUBLE CHECK VALVE BACFKLOW PREVENTER AND VAULT. BACKFILL AND COMPACT VOID CREATED BY REMOVAL. SEE CIVIL PLANS FOR INSTALLATION OF NEW BACKFLOW PREVENTER. ⚠3
51. NOT USED
52. REMOVE AND DISPOSE OF EXISTING 12FT. CHAIN LINK FENCE FABRIC, FITTINGS, AND RAIL.
53. ELECTRICAL LIGHTING CONTROL ENCLOSURE TO BE REMOVED AND REPLACED PER ELECTRICAL PLANS EI.00-EI.06
54. REMOVE AND DISPOSE OF 3" CONCRETE BLOCK BORDER
55. REMOVE AND DISPOSE OF SPORTS LIGHT POLE PER ELETRICAL PLANS (EI.04-EI.06)
56. EXISTING GUY WIRE TO REMAIN
57. REMOVE AND DISPOSE OF EXISTING GUY WIRE
58. REMOVE AND DISPOSE OF PUSH BUTTON STATION AT GATE PER ELECTRICAL SHEET EI.1
59. REMOVE AND DISPOSE OF EXISTING METER
60. REMOVE AND DISPOSE OF EXISTING BIKE RACK

DEMOLITION LEGEND

- CLEAR AND GRUB PER SPECS AND REMOVE ALL VISIBLE IRRIGATION EQUIPMENT AND ANY BELOW-GRADE COMPONENTS THAT WOULD INTERFERE WITH THE WORK, UNLESS OTHERWISE INDICATED ON THESE PLANS. CONTRACTOR SHALL CLEAR AND GRUB ALL EXISTING VEGETATION, AS REQUIRED FOR THE SITE CONSTRUCTION, IRRIGATION, AND PLANTING OPERATIONS
- REMOVE AND DISPOSE OF EXISTING CONCRETE PAVEMENT AND BASE. ASSUME 4-INCH CONCRETE OVER 4-INCH AGGREGATE BASE FOR 8-INCH AVERAGE DEPTH TOTAL
- REMOVE AND DISPOSE OF EXISTING CONCRETE AND ASPHALT PAVEMENT. ASSUME 6-INCH DEPTH CONCRETE OVER 3-INCH DEPTH ASPHALT
- REMOVE AND DISPOSE OF EXISTING ASPHALT PAVEMENT AND BASE. ASSUME 2-INCH DEPTH ASPHALT CONCRETE OVER 5-INCH AGGREGATE BASE
- REMOVE AND DISPOSE OF EXISTING INFIELD MIX, ASSUME 6-INCH DEPTH
- REMOVE AND DISPOSE OF EXISTING ASPHALT CONCRETE. ASSUME 4-INCH DEPTH. RE-GRADE AND RE-COMPACT EXISTING AGGREGATE BASE (AB), IMPORT AB AS REQUIRED TO ACHIEVE FINAL GRADES AS SHOWN ON GRADING PLAN 1, SHEET CG201.
- REMOVE AND DISPOSE OF EXISTING PARKING LOT ASPHALT PAVEMENT AND BASE. ASSUME 4-INCH ASPHALT CONCRETE OVER 5-INCH AGGREGATE BASE.
- REMOVE AND DISPOSE OF ITEM
- (EX) TREE TO BE REMOVED PER TREE DISPOSITION PLANS
- T-xx EXISTING TREE- SEE TREE DISPOSITION PLAN SHEETS TDI.0-I.5 AND SPECIFICATIONS FOR TREE PROTECTION REQUIREMENTS DENOTES DIAMETER AT BREAST HEIGHT DENOTES TREE NUMBER PER ARBORIST REPORT
- HT HERITAGE TREE PER CITY OF STOCKTON MUNICIPAL CODE
- SAWCUT, SEE DEMOLITION NOTE #5
- LIMIT OF WORK

KEY MAP



PERMIT REVIEW SET

Revision No.	Description	Date	By	Aprvd. By
1	RESPONSE TO PERMIT CYCLE 1 COMMENTS	11/14/22		
2	RESPONSE TO PERMIT CYCLE 2 COMMENTS	01/05/23		
3	RESPONSE TO PERMIT CYCLE 3 COMMENTS	03/03/23		

LICENSED LANDSCAPE ARCHITECT — BENJAMIN W. WOOSLEY — No. 6062 — Signature — May 31, 2024 Renewal Date — Date — STATE OF CALIFORNIA

CALA
12150 Tributary Point Drive, Suite 140
Gold River, CA 95670
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JANUARY 5, 2023 CALA PROJECT NO. 21013

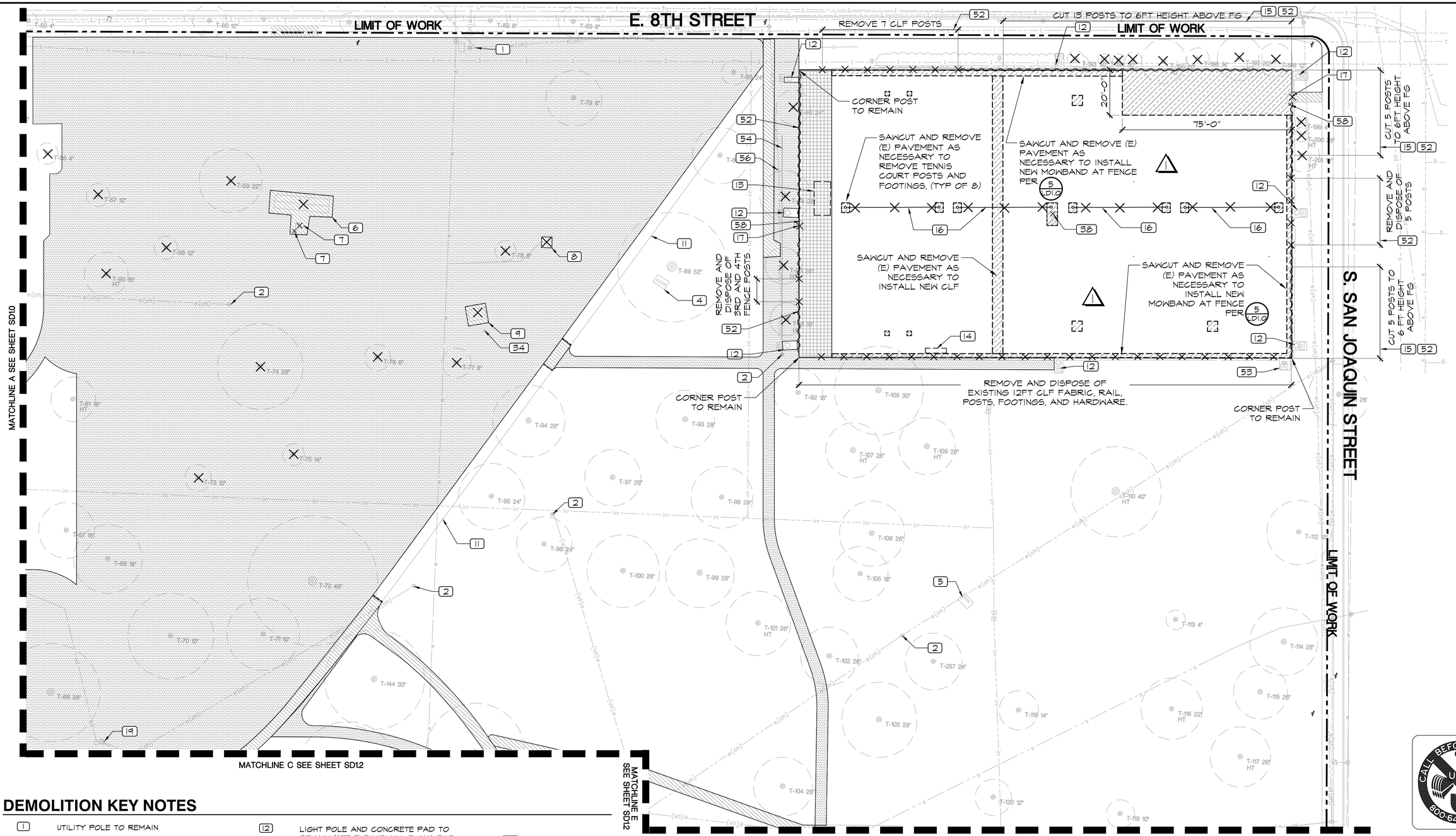
MCKINLEY PARK RENOVATIONS PROJECT

SITE DEMOLITION

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE	SHEET NO. SD1.0
DESIGNED BY	DCM	CITY ENGINEER	17 OF 156 SHTS
DRAWN BY	CM	STOCKTON, CALIFORNIA	WR21017 PROJECT NO.
CHECKED BY	BW		
RECORD DWGS.			

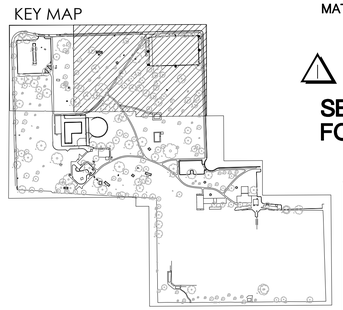
5541.16C



DEMOLITION KEY NOTES

1	UTILITY POLE TO REMAIN
2	REMOVE OR RELOCATE UTILITY POLE (SEE ELECTRICAL PLANS E1.00-E1.06)
4	BENCH AND CONCRETE PAD TO REMAIN
5	REMOVE AND DISPOSE OF BENCH AND CONCRETE PAD
6	REMOVE AND DISPOSE OF CONCRETE PICNIC TABLE AND CONCRETE PAD
7	REMOVE AND DISPOSE OF BBQ, FOOTING, AND PAD
8	REMOVE AND DISPOSE OF DRINKING FOUNTAIN, FOUNDATION AND CONCRETE PAD (SEE CIVIL PLANS FOR REMOVAL OF ASSOCIATED UTILITY LINES)
9	REMOVE AND DISPOSE OF CONCRETE PICNIC TABLE AND CONCRETE PAD
11	CONCRETE PAVEMENT TO REMAIN
12	LIGHT POLE AND CONCRETE PAD TO REMAIN (SEE ELECTRICAL PLANS FOR ADDITIONAL INFORMATION)
13	REMOVE AND DISPOSE OF METAL BLEACHERS
14	REMOVE AND DISPOSE OF CONCRETE BENCH
15	REMOVE AND DISPOSE OF EXISTING 12FT CHAIN LINK FENCE FABRIC AND CUT EXISTING FNCE POSTS TO 6FT ABOVE FINISH GRADE.
16	REMOVE AND DISPOSE OF TENNIS COURT NET, NET POSTS, FOUNDATIONS
17	REMOVE AND DISPOSE OF TENNIS COURT TURNSTILE/GATE
19	REMOVE AND DISPOSE OF CONCRETE STAND PIPE PER CIVIL PLANS
34	CUT POST FLUSH WITH PAVEMENT AND FILL WITH GROUT
38	REMOVE OR RELOCATE LIGHT POLE (SEE ELECTRICAL PLANS E1.00-E1.06)
52	REMOVE AND DISPOSE OF EXISTING 12FT. CHAIN LINK FENCE FABRIC, FITTINGS, AND RAIL.
53	ELECTRICAL LIGHTING CONTROL ENCLOSURE TO BE REMOVED AND REPLACED PER ELECTRICAL PLANS E1.00-E1.06
54	REMOVE AND DISPOSE OF 3" CONCRETE BLOCK BORDER
56	EXISTING GUY WIRE TO REMAIN
58	REMOVE AND DISPOSE OF PUSH BUTTON STATION AT GATE PER ELECTRICAL SHEET E1.1

KEY MAP



SEE SHEET SD1.0
FOR SITE DEMOLITION NOTES & LEGEND

0 10' 20' 40'

PERMIT REVIEW SET

REGISTERED LANDSCAPE ARCHITECT BENJAMIN W. WOODSIDE, JR. Signature May 31, 2024 Renewal Date Date STATE OF CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By
1	RESPONSE TO PERMIT CYCLE 1 COMMENTS	11/14/22		

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Gold River, CA 95670
T 916.985.4366
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JANUARY 5, 2023 CALA PROJECT NO. 21013

MCKINLEY PARK RENOVATIONS PROJECT

SITE DEMOLITION

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY:	DATE 7/24/23
DESIGNED BY	DCM		
DRAWN BY	CM		
CHECKED BY	BW		
RECORD DWGS.		CITY ENGINEER	STOCKTON, CALIFORNIA

SHEET NO. SD1.1
18 OF 156 SHTS
WR21017 PROJECT NO.

5541.17C

MATCHLINE B SEE SHEET SD1.0

MATCHLINE C SEE SHEET SD1.1

S. EL DORADO STREET

LIMIT OF WORK

EXISTING POOL HOUSE

SEE CIVIL PLANS (SHEET CG203) FOR ADDITIONAL WORK AT RAMP AND MECHANICAL ROOM

SEE SWIMMING POOL DEMOLITION PLAN (DP-1) FOR ADDITIONAL POOL AREA DEMOLITION

EXISTING GAS SERVICE LINE TO BE DISCONNECTED BY PG&E. CONTRACTOR SHALL CONFIRM PRIOR TO BEGINNING DEMOLITION OR EXCAVATION OPERATIONS.

LIMIT OF WORK

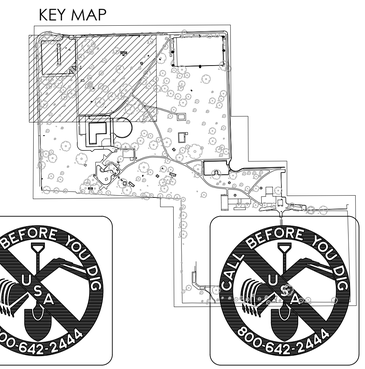
MATCHLINE E SEE SHEET SD1.3

DEMOLITION KEY NOTES (CONTINUED)

22	REMOVE AND DISPOSE OF 8FT CHAIN LINK FENCE, FENCE GATES, INCLUDING POSTS, FOOTINGS, FABRIC AND HARDWARE
23	REMOVE AND DISPOSE OF EXISTING CHAIN LINK FENCE. CUT POSTS FLUSH WITH TOP OF WALL AND FILL REMAINING POST OPENING WITH NON-SHRINK GROUT
24	IRRIGATION PUMP BUILDING AND ASSOCIATED EQUIPMENT TO REMAIN. PROTECT IN PLACE.
25	CONCRETE CURB TO REMAIN
27	REMOVE AND DISPOSE OF METAL POST AND FOOTING
31	SAWCUT CLEAN EDGE AT POOL DECK AFTER REMOVAL OF POOL HOUSE BUILDING
38	REMOVE OR RELOCATE LIGHT POLE (SEE ELECTRICAL PLANS E1.00-E1.06)
39	REMOVE AND DISPOSE OF CONCRETE CURB
40	EXISTING GAS LINE STUB. COORDINATE WITH PG&E TO CONFIRM DEACTIVATION OF SERVICE PRIOR TO BUILDING DEMOLITION. CAP EXISTING LINE 12" BELOW FINISH GRADE. ABANDON EXISTING LINE IN PLACE.
42	REMOVE AND DISPOSE OF EXISTING MECHANICAL, PLUMBING, AND ELECTRICAL EQUIPMENT FROM BASEMENT MECHANICAL ROOM. SEE DETAIL 1/SC1.7
49	MCKINLEY PARK SIGN TO BE RELOCATED PER SITE CONSTRUCTION PLANS. REPAIR DISTURBED AREA WITH TURF FROM SOD.
50	REMOVE EXISTING DOUBLE CHECK VALVE BACKFLOW PREVENTER AND VAULT. BACKFILL AND COMPACT VOID CREATED BY REMOVAL. SEE CIVIL PLANS FOR INSTALLATION OF NEW BACKFLOW PREVENTER.

SEE SHEET SD1.0 FOR SITE DEMOLITION NOTES & LEGEND

KEY MAP



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DEMOLITION KEY NOTES (CONTINUED)

1	UTILITY POLE TO REMAIN
2	REMOVE OR RELOCATE UTILITY POLE (SEE ELECTRICAL PLANS E1.00-E1.06)
4	BENCH AND CONCRETE PAD TO REMAIN
8	REMOVE AND DISPOSE OF DRINKING FOUNTAIN, FOUNDATION AND CONCRETE PAD (SEE CIVIL PLANS FOR REMOVAL OF ASSOCIATED UTILITY LINES)
10	CONCRETE PICNIC TABLE AND CONCRETE PAD TO REMAIN
11	CONCRETE PAVEMENT TO REMAIN
18	ELECTRICAL BOX TO REMAIN
20	REMOVE AND DISPOSE OF CONCRETE HOSEBIB/RECEPTACLE BOLLARD
21	DEMOLISH, REMOVE AND DISPOSE OF POOL HOUSE BUILDING AND ALL ASSOCIATED COMPONENTS, FOUNDATION, AND FIXTURES IN THEIR ENTIRETY (SEE CIVIL AND ELECTRICAL PLANS FOR REMOVAL AND RE-ROUTING OF EXISTING UTILITIES). SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS RELATED TO THE REMOVAL OF STRUCTURES.

0 10' 20' 40'

PERMIT REVIEW SET

CALA

12150 Tributary Point Drive, Suite 140
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www.callanderassociates.com

JANUARY 5, 2023 CALA PROJECT NO. 21013

MCKINLEY PARK RENOVATIONS PROJECT

SITE DEMOLITION

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By
1	RESPONSE TO PERMIT CYCLE 1 COMMENTS	11/14/22		

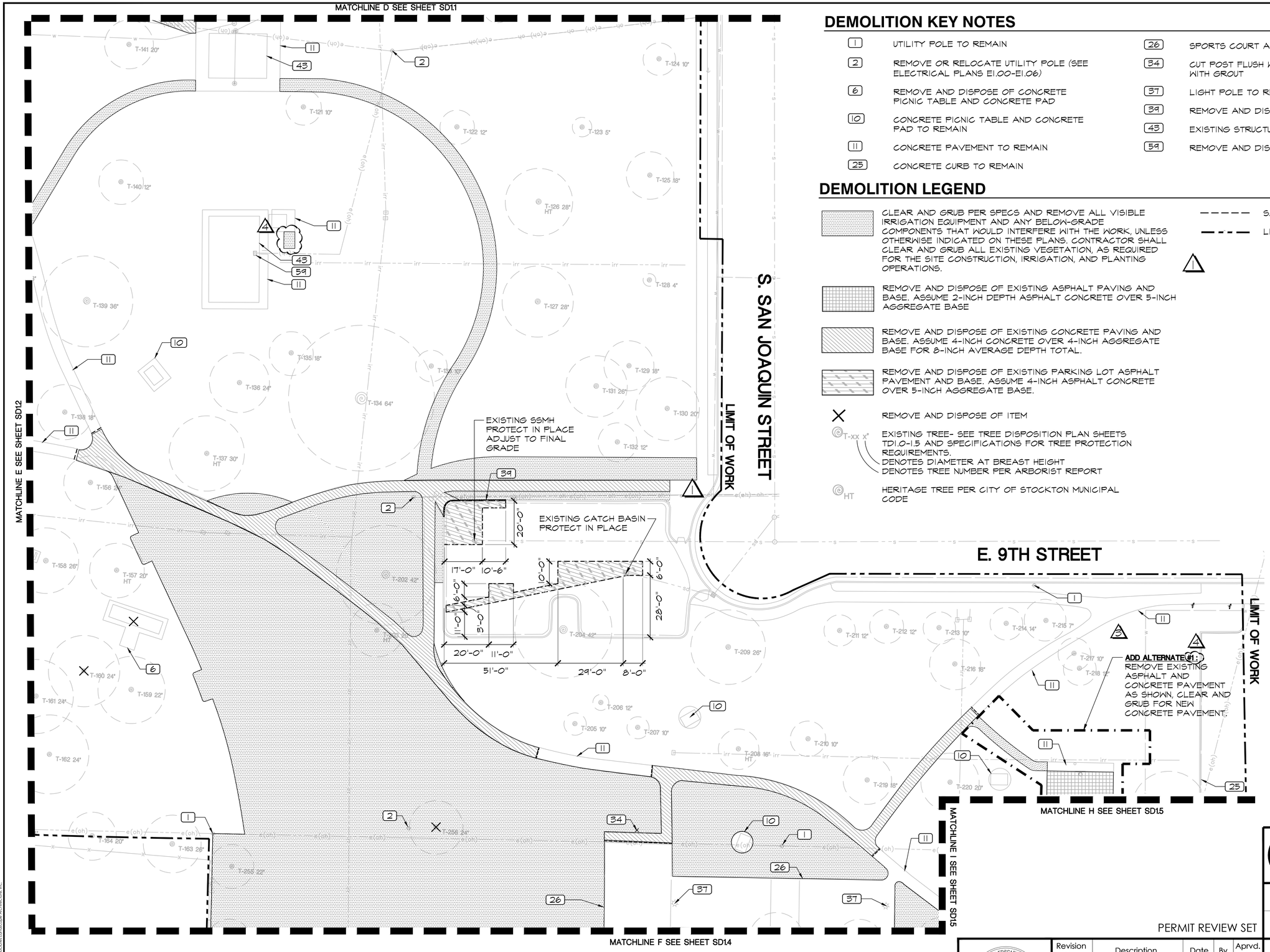
LICENSED LANDSCAPE ARCHITECT — BRANDON W. WOOSTER, RLA — Signature — May 31, 2024 Renewal Date — Date — STATE OF CALIFORNIA

SCALE	AS SHOWN
DESIGNED BY	DCM
DRAWN BY	CM
CHECKED BY	BW
RECORD DWGS.	

APPROVED BY: 7/24/23 DATE
CITY ENGINEER
STOCKTON, CALIFORNIA

SHEET NO. SD1.2
19 OF 156 SHTS
WR21017 PROJECT NO.

5541.18C



DEMOLITION KEY NOTES

1	UTILITY POLE TO REMAIN	26	SPORTS COURT AND EQUIPMENT TO REMAIN
2	REMOVE OR RELOCATE UTILITY POLE (SEE ELECTRICAL PLANS E1.00-E1.06)	34	CUT POST FLUSH WITH PAVEMENT AND FILL WITH GROUT
6	REMOVE AND DISPOSE OF CONCRETE PICNIC TABLE AND CONCRETE PAD	37	LIGHT POLE TO REMAIN
10	CONCRETE PICNIC TABLE AND CONCRETE PAD TO REMAIN	39	REMOVE AND DISPOSE OF CONCRETE CURB
11	CONCRETE PAVEMENT TO REMAIN	43	EXISTING STRUCTURE TO REMAIN
25	CONCRETE CURB TO REMAIN	59	REMOVE AND DISPOSE OF EXISTING METER

DEMOLITION LEGEND

CLEAR AND GRUB PER SPECS AND REMOVE ALL VISIBLE IRRIGATION EQUIPMENT AND ANY BELOW-GRADE COMPONENTS THAT WOULD INTERFERE WITH THE WORK, UNLESS OTHERWISE INDICATED ON THESE PLANS. CONTRACTOR SHALL CLEAR AND GRUB ALL EXISTING VEGETATION, AS REQUIRED FOR THE SITE CONSTRUCTION, IRRIGATION, AND PLANTING OPERATIONS.

REMOVE AND DISPOSE OF EXISTING ASPHALT PAVING AND BASE. ASSUME 2-INCH DEPTH ASPHALT CONCRETE OVER 5-INCH AGGREGATE BASE

REMOVE AND DISPOSE OF EXISTING CONCRETE PAVING AND BASE. ASSUME 4-INCH CONCRETE OVER 4-INCH AGGREGATE BASE FOR 8-INCH AVERAGE DEPTH TOTAL.

REMOVE AND DISPOSE OF EXISTING PARKING LOT ASPHALT PAVEMENT AND BASE. ASSUME 4-INCH ASPHALT CONCRETE OVER 5-INCH AGGREGATE BASE.

REMOVE AND DISPOSE OF ITEM

T-XX X" EXISTING TREE- SEE TREE DISPOSITION PLAN SHEETS TD1.0-1.5 AND SPECIFICATIONS FOR TREE PROTECTION REQUIREMENTS.
DENOTES DIAMETER AT BREAST HEIGHT
DENOTES TREE NUMBER PER ARBORIST REPORT

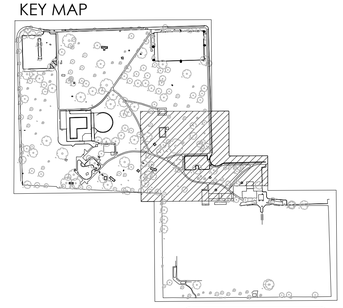
HT HERITAGE TREE PER CITY OF STOCKTON MUNICIPAL CODE

SAWCUT, SEE DEMOLITION NOTE #2

LIMIT OF WORK

1

KEY MAP



CALL BEFORE YOU DIG USA 800-642-2444

SEE SHEET SD1.0 FOR SITE DEMOLITION NOTES

0 10' 20' 40'

BENJAMIN W. WOODSIDE, NO. 6062 LICENSED LANDSCAPE ARCHITECT
Signature
May 31, 2024
Renewal Date
Date
STATE OF CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By
1	RESPONSE TO PERMIT CYCLE 1 COMMENTS	11/14/22		
2	RESPONSE TO PERMIT CYCLE 3 COMMENTS	03/03/23		
4	TXFR PLACEMENT	04/13/23		

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JANUARY 5, 2023 CALA PROJECT NO. 21013

PERMIT REVIEW SET

MCKINLEY PARK RENOVATIONS PROJECT

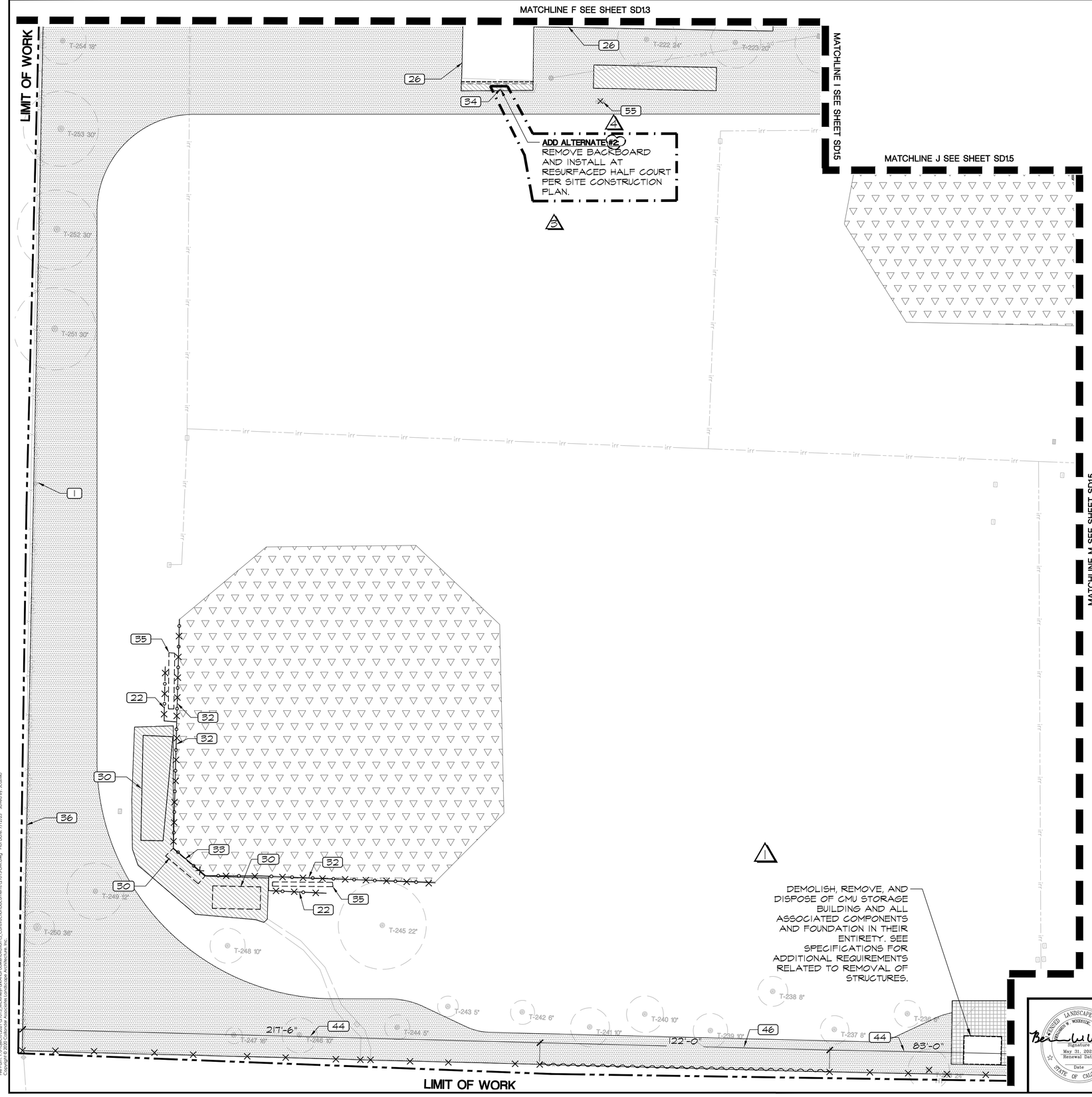
SITE DEMOLITION

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY:	7/24/23 DATE
DESIGNED BY	DCM		CITY ENGINEER
DRAWN BY	CM		STOCKTON, CALIFORNIA
CHECKED BY	BW		
RECORD DWGS.			

SHEET NO. SD1.3
20 OF 156 SHTS
WR21017 PROJECT NO.

5541.19C



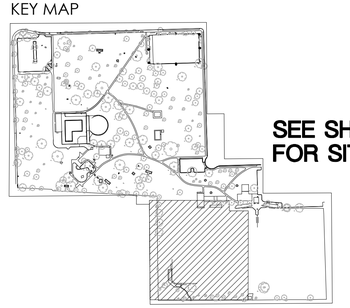
DEMOLITION KEY NOTES

1	UTILITY POLE TO REMAIN
22	REMOVE AND DISPOSE OF 8FT CHAIN LINK FENCE, FENCE GATES, INCLUDING POSTS, FOOTINGS, FABRIC AND HARDWARE
26	SPORTS COURT AND EQUIPMENT TO REMAIN
30	REMOVE AND DISPOSE OF CONCRETE BLEACHERS
32	REMOVE AND DISPOSE OF 18FT. CHAIN LINK FENCE INCLUDING POSTS, FOOTINGS, FABRIC, AND HARDWARE
33	REMOVE AND DISPOSE OF BACKSTOP
34	CUT POST FLUSH WITH PAVEMENT AND FILL WITH GROUT
35	REMOVE AND DISPOSE OF PLAYER'S BENCH
36	CHAIN LINK FENCE TO REMAIN
44	REMOVE AND REPLACE 5' CHAIN LINK FENCE POSTS, FOOTINGS, FABRIC, RAILINGS, AND HARDWARE WITH NEW.
46	REMOVE AND REPLACE 5' CHAIN LINK FENCE FABRIC, RAILS, AND FITTINGS WITH NEW.
55	REMOVE AND DISPOSE OF SPORTS LIGHT POLE PER ELETRICAL PLANS (E1.04-E1.06)

DEMOLITION LEGEND

- CLEAR AND GRUB PER SPECS AND REMOVE ALL VISIBLE IRRIGATION EQUIPMENT AND ANY BELOW-GRADE COMPONENTS THAT WOULD INTERFERE WITH THE WORK, UNLESS OTHERWISE INDICATED ON THESE PLANS. CONTRACTOR SHALL CLEAR AND GRUB ALL EXISTING VEGETATION, AS REQUIRED FOR THE SITE CONSTRUCTION, IRRIGATION, AND PLANTING OPERATIONS. ⚠1
- REMOVE AND DISPOSE OF EXISTING CONCRETE PAVING AND BASE. ASSUME 4-INCH CONCRETE OVER 4-INCH AGGREGATE BASE FOR 8-INCH AVERAGE DEPTH TOTAL.
- REMOVE AND DISPOSE OF EXISTING INFIELD MIX, ASSUME 6-INCH DEPTH.
- REMOVE AND DISPOSE OF ITEM
- (EX) TREE TO BE REMOVED PER TREE DISPOSITION PLANS.
- T-xx x" EXISTING TREE- SEE TREE DISPOSITION PLAN SHEETS TD1.0-1.5 AND SPECIFICATIONS FOR TREE PROTECTION REQUIREMENTS. DENOTES DIAMETER AT BREAST HEIGHT. DENOTES TREE NUMBER PER ARBORIST REPORT
- HT HERITAGE TREE PER CITY OF STOCKTON MUNICIPAL CODE
- SAWCUT, SEE DEMOLITION NOTE #2
- LIMIT OF WORK

KEY MAP



SEE SHEET SD1.0 FOR SITE DEMOLITION NOTES

0 10' 20' 40'

PERMIT REVIEW SET

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JANUARY 5, 2023 CALA PROJECT NO. 21013

MCKINLEY PARK RENOVATIONS PROJECT

SITE DEMOLITION

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

LICENSED LANDSCAPE ARCHITECT BRIANNE W. WOODSIDE
Signature
May 31, 2024
Renewal Date
Date
STATE OF CALIFORNIA

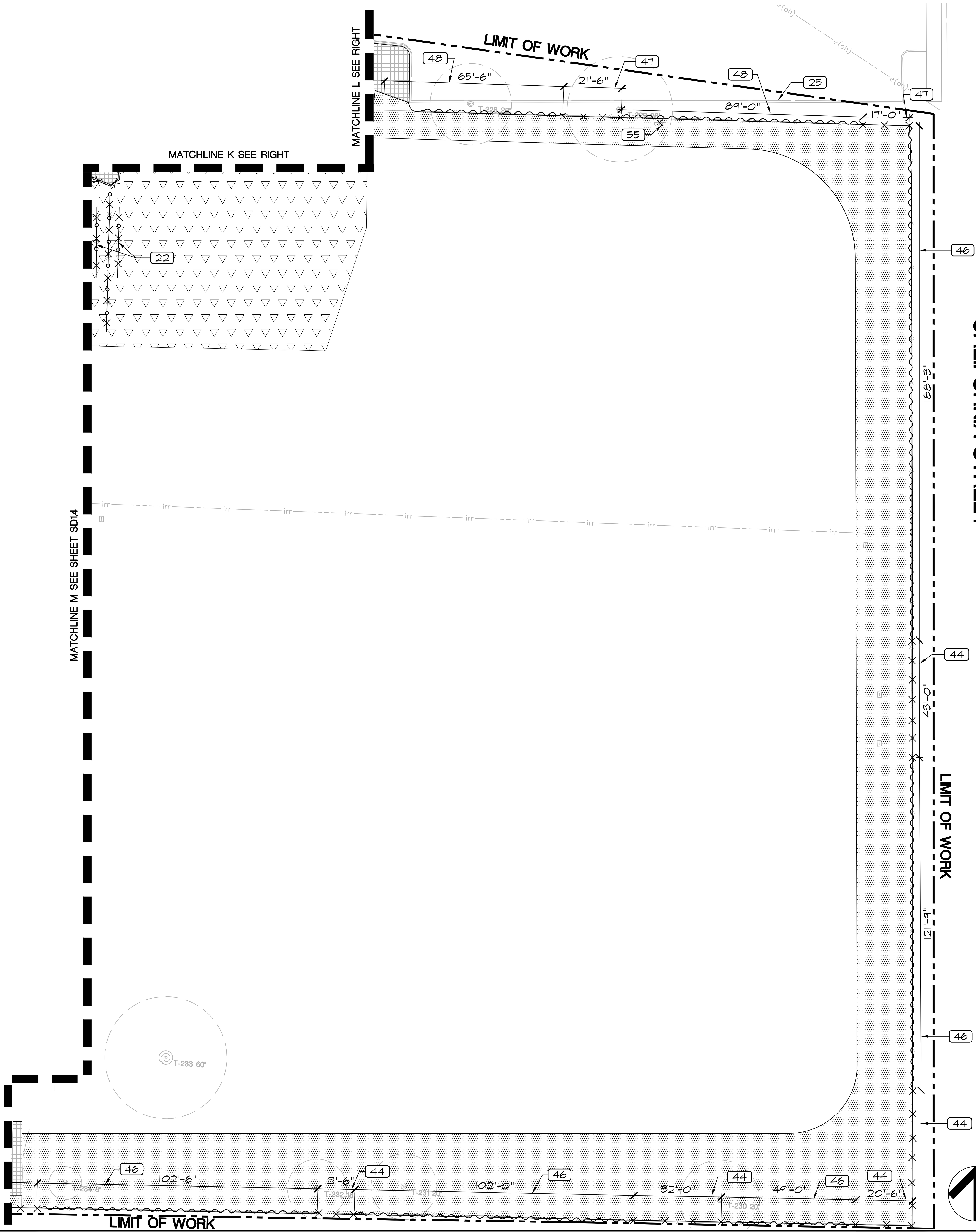
Revision No.	Description	Date	By	Aprvd. By
1	RESPONSE TO PERMIT CYCLE 1 COMMENTS	11/14/22		
2	RESPONSE TO PERMIT CYCLE 3 COMMENTS	03/03/23		
3	TXFR PLACEMENT	04/13/23		

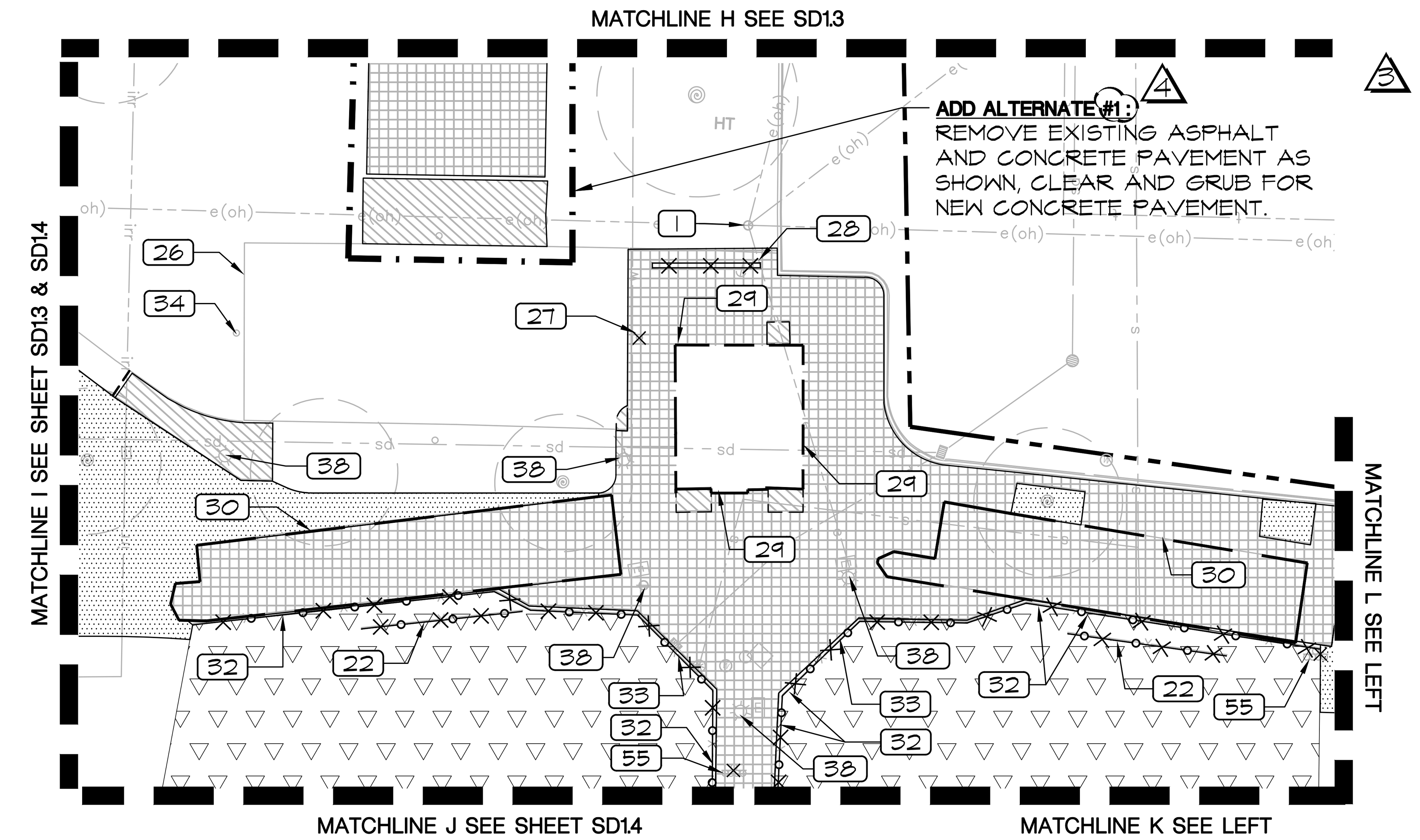
SCALE	AS SHOWN
DESIGNED BY	DCM
DRAWN BY	CM
CHECKED BY	BW
RECORD DWGS.	

APPROVED BY: 7/24/23 DATE
CITY ENGINEER
STOCKTON, CALIFORNIA

SHEET NO. SD1.4
21 OF 156 SHTS
WR21017 PROJECT NO.

5541.20





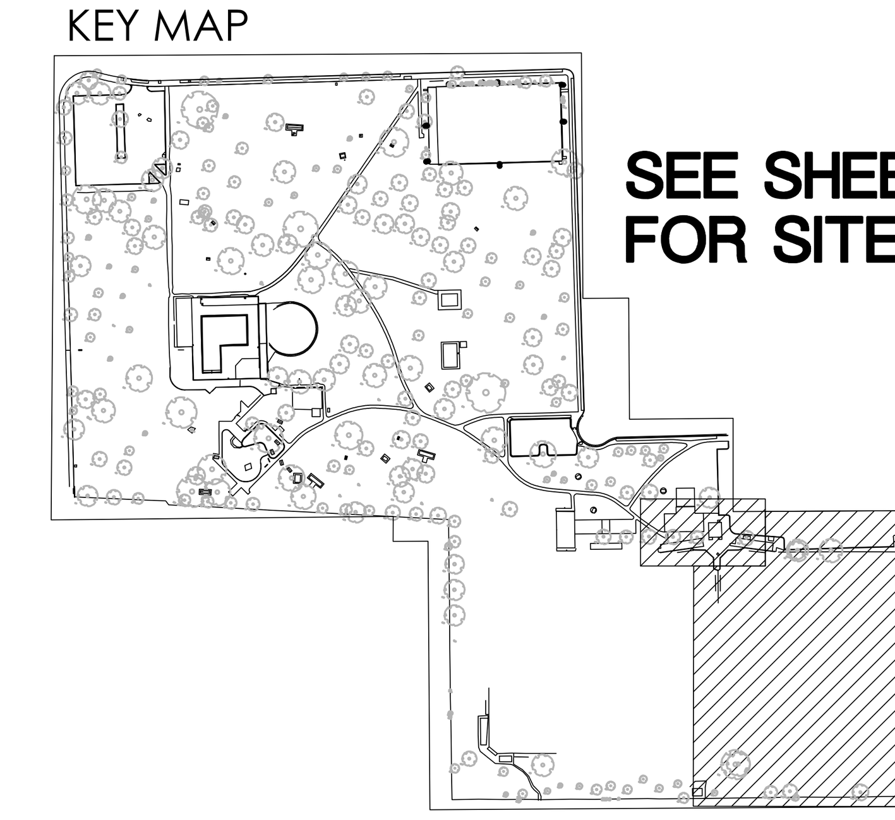
DEMOLITION KEY NOTES

1	UTILITY POLE TO REMAIN
22	REMOVE AND DISPOSE OF 8FT CHAIN LINK FENCE, FENCE GATES, INCLUDING POSTS, FOOTINGS, FABRIC AND HARDWARE
25	CONCRETE CURB TO REMAIN
26	SPORTS COURT AND EQUIPMENT TO REMAIN
27	REMOVE AND DISPOSE OF METAL POST AND FOOTING
28	REMOVE, STORE AND PROTECT, AND REPLACE BIKE RACK PER SITE CONSTRUCTION PLAN
29	DEMOLISH, REMOVE, AND DISPOSE OF RESTROOM BUILDING AND ALL ASSOCIATED COMPONENTS, FOUNDATION, AND FIXTURES IN THEIR ENTIRETY (SEE CIVIL AND ELECTRICAL PLANS FOR REMOVAL AND RE-ROUTING OF EXISTING UTILITIES). SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS RELATED TO THE REMOVAL OF STRUCTURES.
30	REMOVE AND DISPOSE OF CONCRETE BLEACHERS
32	REMOVE AND DISPOSE OF 18FT. CHAIN LINK FENCE INCLUDING POSTS, FOOTINGS, FABRIC, AND HARDWARE
33	REMOVE AND DISPOSE OF BACKSTOP
34	CUT POST FLUSH WITH PAVEMENT AND FILL WITH GROUT
38	REMOVE OR RELOCATE LIGHT POLE (SEE ELECTRICAL PLANS E1.00-E1.06)
44	REMOVE AND REPLACE 5' CHAIN LINK FENCE POSTS, FOOTINGS, FABRIC, RAILINGS, AND HARDWARE WITH NEW.
46	REMOVE AND REPLACE 5' CHAIN LINK FENCE FABRIC, RAILS, AND FITTINGS WITH NEW.
47	REMOVE AND REPLACE 3' CHAIN LINK FENCE POSTS, FOOTINGS, FABRIC, AND HARDWARE WITH NEW.
48	REMOVE AND REPLACE 3' FABRIC, RAILS, FITTINGS WITH NEW.
55	REMOVE AND DISPOSE OF SPORTS LIGHT POLE PER ELETRICAL PLANS (E1.04-E1.06)

DEMOLITION LEGEND

- CLEAR AND GRUB PER SPECS AND REMOVE ALL VISIBLE IRRIGATION EQUIPMENT AND ANY BELOW-GRADE COMPONENTS THAT WOULD INTERFERE WITH THE WORK, UNLESS OTHERWISE INDICATED ON THESE PLANS. CONTRACTOR SHALL CLEAR AND GRUB ALL EXISTING VEGETATION, AS REQUIRED FOR THE SITE CONSTRUCTION, IRRIGATION, AND PLANTING OPERATIONS.
- REMOVE AND DISPOSE OF EXISTING CONCRETE PAVING AND BASE. ASSUME 4-INCH CONCRETE OVER 4-INCH AGGREGATE BASE FOR 8-INCH AVERAGE DEPTH TOTAL.
- REMOVE AND DISPOSE OF EXISTING ASPHALT PAVING AND BASE. ASSUME 2-INCH DEPTH ASPHALT CONCRETE OVER 5-INCH AGGREGATE BASE
- REMOVE AND DISPOSE OF EXISTING INFIELD MIX, ASSUME 6-INCH DEPTH.
- X — REMOVE AND DISPOSE OF ITEM
- T-xx x" — EXISTING TREE- SEE TREE DISPOSITION PLAN SHEETS 1.0-1.5 AND SPECIFICATIONS FOR TREE PROTECTION REQUIREMENTS. DENOTES DIAMETER AT BREAST HEIGHT; DENOTES TREE NUMBER PER ARBORIST REPORT
- SAWCUT, SEE DEMOLITION NOTE #2
- LIMIT OF WORK

KEY MAP



SEE SHEET SD1.0 FOR SITE DEMOLITION NOTES

CALL BEFORE YOU DIG USA 800-642-2444

0 10' 20' 40'

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JANUARY 5, 2023 CALA PROJECT NO. 21013

MCKINLEY PARK RENOVATIONS PROJECT

SITE DEMOLITION

PERMIT REVIEW SET

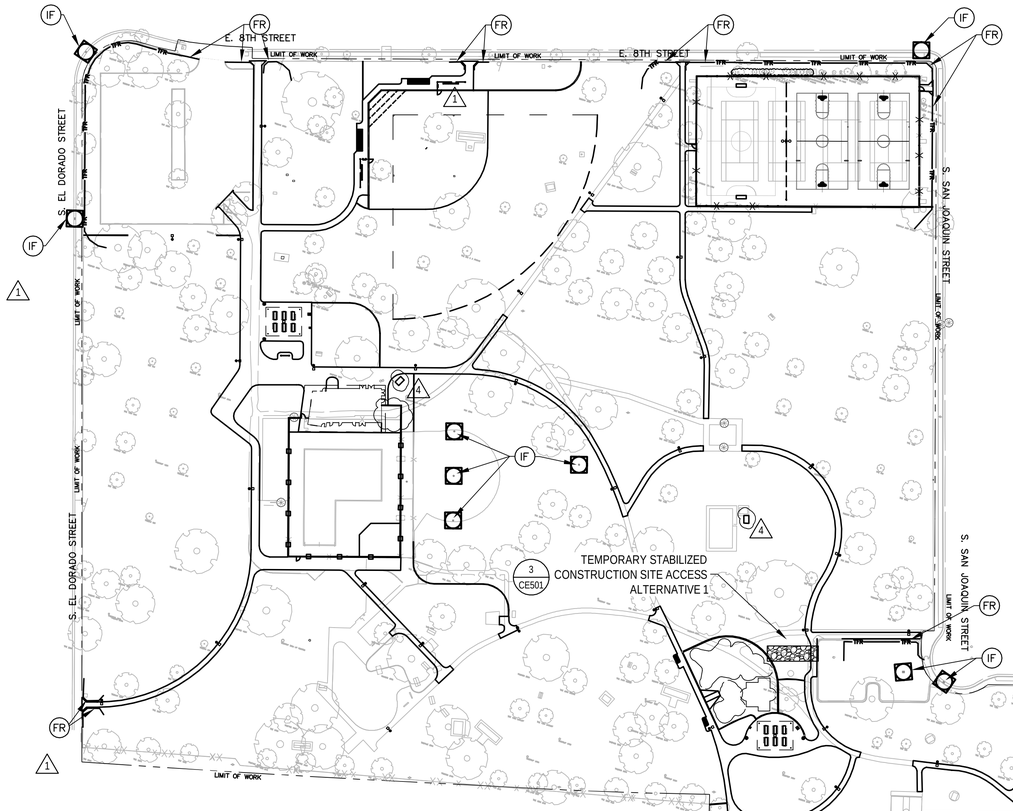
LICENSED LANDSCAPE ARCHITECT BENJAMIN W. WOODSIDE, NO. 4569 — Signature; May 31, 2024 Renewal Date; Date; STATE OF CALIFORNIA

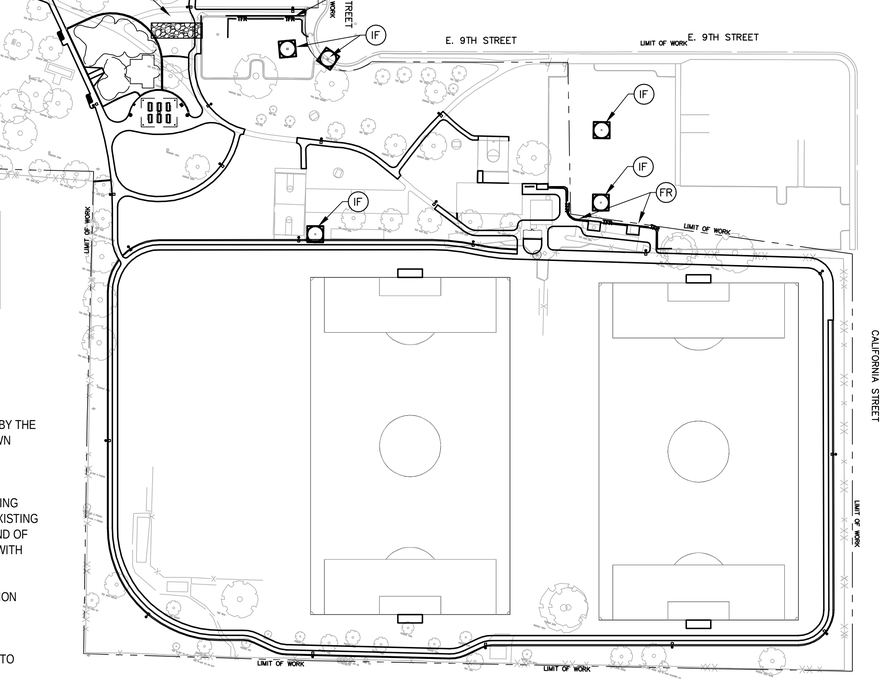
Revision No.	Description	Date	By	Aprvd. By
1	RESPONSE TO PERMIT CYCLE 1 COMMENTS	11/14/22		
3	RESPONSE TO PERMIT CYCLE 3 COMMENTS	03/03/23		
4	TXFR PLACEMENT	04/13/23		

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE	SHEET NO. SD1.5
DESIGNED BY	DCM		22 OF 156 SHTS
DRAWN BY	CM		
CHECKED BY	BW	CITY ENGINEER	WR21017
RECORD DWGS.		STOCKTON, CALIFORNIA	PROJECT NO.

5541.21C





TEMPORARY EROSION CONTROL – LEGEND

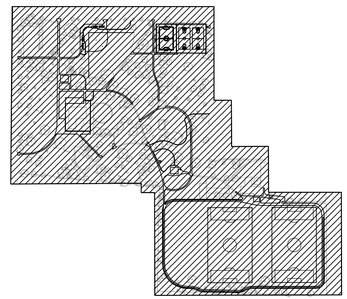
IF — STORM DRAIN INLET FILTER, E.C. DETAIL 1 SHEET CE501

FR — TFR — TEMPORARY FIBER ROLL, E.C. DETAIL 2 SHEET CE501 (1)

SHEET NOTES:

1. CONTRACTOR TO PROVIDE FULL SITE ACCESS CONTROL FOR DURATION OF CONSTRUCTION.
2. EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs) SHALL BE INSTALLED BY THE CONTRACTOR TO CONTROL RUN-OFF AND SEDIMENT FROM THE SITE. AT A MINIMUM, ITEMS SHOWN SHALL BE INCLUDED. ADDITIONAL MEASURE MAY BE REQUIRED FOR CONTRACTOR TO MAINTAIN RUN-OFF CONTROL. BMPs SHALL BE MODIFIED TO SUIT SITE AND SEASON AS REQUIRED.
3. KEEP THE STREET OUTSIDE OF THE CONSTRUCTION SITE CLEAN BY ESTABLISHING THE MONITORING DESIGNED CONSTRUCTION ENTRANCES. RESTRICT ALL TRAFFIC TO THE SITE ENTRANCE. IF AN EXISTING DRIVEWAY WILL BE USED, SWEEP AND PICK UP DIRT AND DEBRIS FROM THE DRIVEWAY AT THE END OF CONSTRUCTION EACH DAY. DO NOT SWEEP INTO THE STREET OR DRAINAGE SYSTEM . FOR SITE WITH OUT EXISTING DRIVEWAY, USE A GRAVEL CONSTRUCTION ENTRANCE.
4. PROTECT SLOPES, DITCHES, PROPERTIES, AND WATERWAYS DOWNSTREAM OF THE CONSTRUCTION SITE FROM EROSION.
5. PROTECT ALL STORM DRAIN INLETS AND CATCH BASINS NEAR THE SITE DURING CONSTRUCTION. PREVENT RUNOFF FROM THE SITE FROM ENTERING THE INLETS WITHOUT FIRST BEING FILTERED TO REMOVE SEDIMENT.

KEY MAP



SCALE: 1"=70'

0 35' 70' 140'

REGISTERED PROFESSIONAL ENGINEER
JEFFREY D. KJELDSEN
NO. 61898
CIVIL
STATE OF CALIFORNIA
1-5-2023

Revision No.	Description	Date	By	Aprvd. By
4	CITY REVISIONS	4-13-2023	PX	JDK

PERMIT REVIEW SET

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CIVIL ENGINEERS & LAND SURVEYORS
www.ksninc.com
711 N. Pershing Avenue
Stockton, CA 95203
209-946-0268
1550 Harbor Blvd., Suite 212
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JANUARY 5 , 2023 CALA PROJECT NO. 21013

MCKINLEY PARK AND POOL RENOVATION

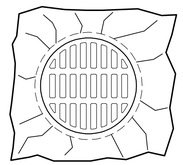
EROSION CONTROL PLAN

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

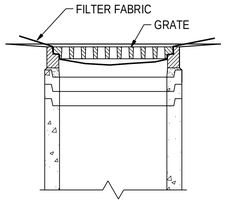
SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE	SHEET NO. CE101
DESIGNED BY	JDK		23 OF 158 SHTS
DRAWN BY	PX	CITY ENGINEER	
CHECKED BY	SKS	STOCKTON, CALIFORNIA	WR21017 PROJECT NO.
RECORD DWGS.			5541.22C

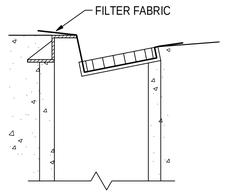
NOTES:

1. FILTER FABRIC SHALL BE A GEOTEXTILE WOVEN MATERIAL OR APPROVED EQUAL.
2. FABRIC MATERIAL STRENGTH AND USE OF ADDITIONAL LAYERS SHALL SUIT THE LEVEL OF RUNOFF AND ENTRAINED SEDIMENT NEEDED TO PROTECT THE INLET.
3. FABRIC SHALL EXEND A MINIMUM OF 6-INCHES BEYOND EDGE OF GRATE.
4. AT HOODED CURB INLETS, FABRIC SHALL EXTEND ABOVE THE TOP OF CURB, USE GRAVEL BAGS AS NECESSARY TO HOLD THE FABRIC AND TO BERM AGAINST BYPASS.
5. FILTERS SHALL BE INSPECTED WEEKLY AND REPLACED WITH CLEAN FABRIC WHENEVER SEDIMENT AND DEBRIS IS VISIBLE.

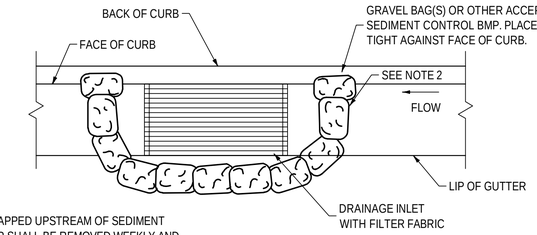


PLAN





INLET FILTER FABRIC

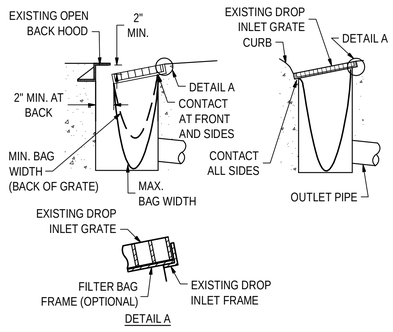


PLAN VIEW

NOTES:

1. SEDIMENT TRAPPED UPSTREAM OF SEDIMENT CONTROL BMP SHALL BE REMOVED WEEKLY AND PRIOR TO ANTICIPATED RAINFALL EVENTS.
2. PLACE BMP'S TIGHTLY TOGETHER AT JOINTS TO PREVENT OR MINIMIZE SEEPAGE AT JOINTS.

GRAVEL BAG INLET SEDIMENT CONTROL



DETAIL A

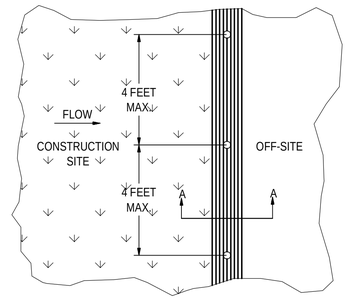
NOTES:

1. THE FILTER BAG SHALL BE MANUFACTURED FROM UV RESISTANT POLYPROPYLENE NYLON, POLYESTER, OR ETHYLENE FABRIC WITH A MINIMUM TENSILE STRENGTH OF 50 LBS PER LINEAR FOOT. AN EQUIVALENT OPENING SIZE NOT GREATER THAN A 20 SIEVE AND WITH A MINIMUM FLOW RATE OF 40 GALLONS/MINUTE/SQ. FT.
2. THE FILTER BAG MAY BE SUSPENDED FROM OR HELD IN PLACE BY THE EXISTING INLET GRATE (OR OTHER APPROVED METHOD) PROVIDING NO MODIFICATION OR DAMAGE SHALL BE DONE TO THE INLET GRATE OR FRAME. THE INLET GRATE SHALL NOT BE CAUSED TO REST MORE THAN 0.5" ABOVE THE INLET FRAME (SEE DETAIL A).
3. THE FILTER BAG MAY EXTEND TO THE BOTTOM OF THE INLET BOX PROVIDED THE OUTLET PIPE IS UNOBSTRUCTED.
4. FLOWS SHALL NOT BE ALLOWED TO BYPASS PROTECTION MEASURES.
5. INLET FILTER BAGS SHALL BE INSPECTED WEEKLY AND AFTER EACH RAINFALL DURING THE WET SEASON AND MONTHLY DURING THE DRY SEASON. SEDIMENT AND DEBRIS SHALL BE REMOVED BEFORE ACCUMULATIONS HAVE REACHED ONE THIRD THE DEPTH OF THE BAG. BAGS SHALL BE REPAIRED OR REPLACED AS SOON AS DAMAGE OCCURS.

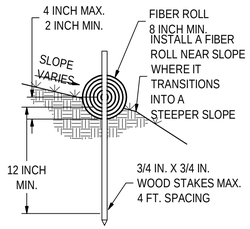
INLET FILTER BAG

1. ALL INLET BMP PROTECTION MEASURES SHALL INCLUDE AT A MINIMUM FILTER FABRIC UNDER GRATES AND LIDS. GRAVEL BAG BERMS AND INLET PERIMETERS SHALL BE ADDED WHEN FABRIC HAS POTENTIAL FOR BEING OVERLOADED. FILTER BAGS SHALL BE ADDED WHEN AN INLET IS AT RISK TO FILTERING OF HEAVY SEDIMENT LADEN RUNOFF, I.E. WET WINTER CONSTRUCTION CONDITIONS.

1 TEMPORARY STORM DRAIN INLET FILTERS
N.T.S.



TYPICAL FIBER ROLL INSTALLATION

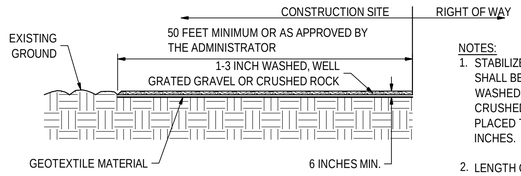


SECTION A-A

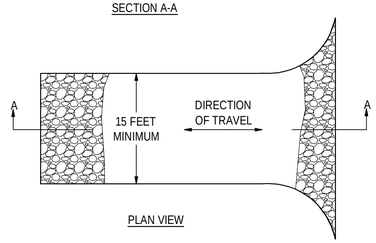
NOTES:

1. INSTALL FIBER ROLLS IN A ROW ALONG A LEVEL CONTOUR.
2. AT ENDS OF A ROW TURN THE LAST TWO FEET UP SLOPE SLIGHTLY.
3. FIBER ROLLS SHALL BE BUTTED TIGHTLY AT THE JOINTS.
4. DO NOT OVERLAP JOINTS.

2 TEMPORARY FIBER ROLLS
N.T.S.



SECTION A-A

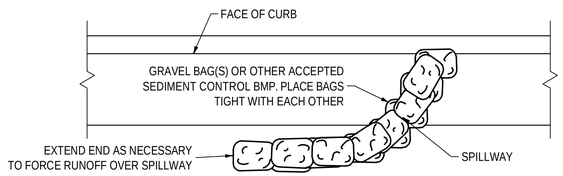


PLAN VIEW

NOTES:

1. STABILIZED CONSTRUCTION SITE ACCESS SHALL BE CONSTRUCTED OF 1-3 INCH WASHED, WELL GRATED GRAVEL OR CRUSHED ROCK. MATERIAL SHALL BE PLACED TO A MINIMUM THICKNESS OF 6 INCHES.
2. LENGTH OF ENTRANCE SHALL BE A MINIMUM OF 50 FEET. WIDTH SHALL BE A MINIMUM OF 15 FEET OR GREATER IF NECESSARY TO COVER ALL VEHICULAR INGRESS AND EGRESS. PROVIDE AMPLE TURNING RADII.
3. THE ENTRANCE SHALL BE KEPT IN GOOD CONDITION BY OCCASIONAL TOP DRESSING WITH MATERIAL AS SPECIFIED IN NOTE 1.
4. ACCESSES SHALL BE INSPECTED WEEKLY DURING PERIODS OF HEAVY USAGE, MONTHLY DURING NORMAL USAGE, AND AFTER EACH RAINFALL, WITH MAINTENANCE PROVIDED AS NECESSARY. PERIODIC TOP DRESSING SHALL BE DONE AS NEEDED.

3 TEMPORARY STABILIZED CONSTRUCTION SITE ACCESS
N.T.S.



4 TEMPORARY GRAVEL BAG BERM
N.T.S.

PERMIT REVIEW SET

REGISTERED PROFESSIONAL ENGINEER JEFFREY D. KJELDSEN NO. 61898 CIVIL STATE OF CALIFORNIA 1-5-2023

Revision No.	Description	Date	By	Aprvd. By

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JANUARY 5 , 2023 CALA PROJECT NO. 21013

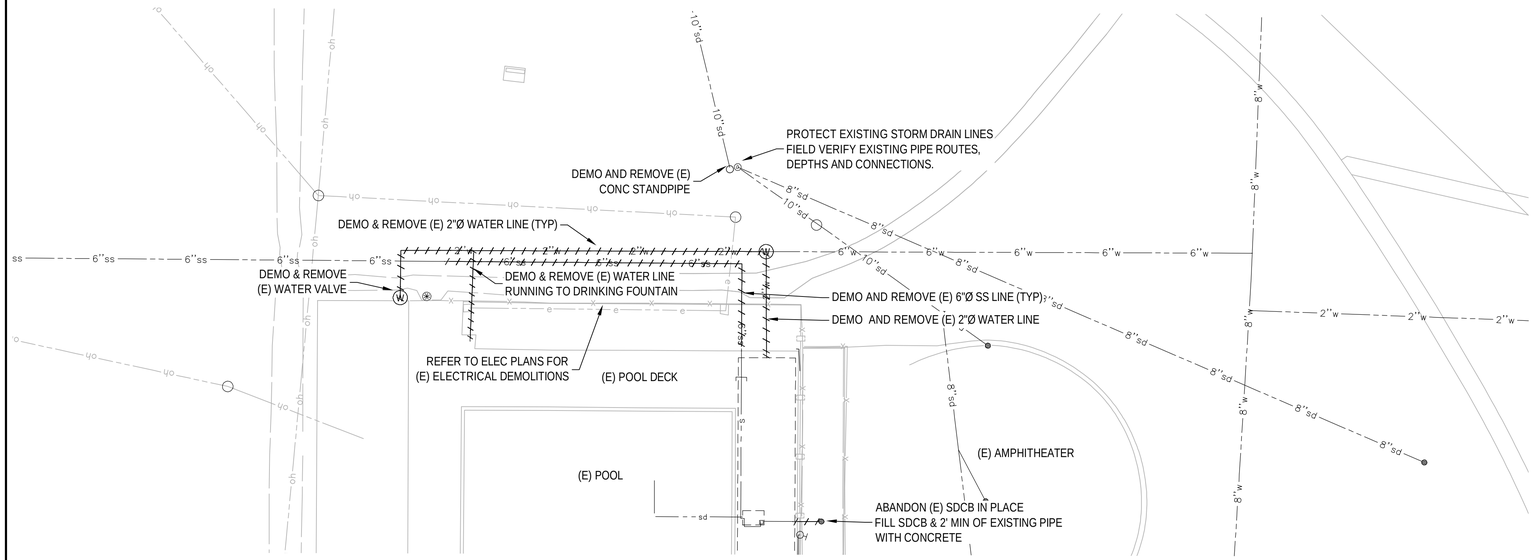
MCKINLEY PARK AND POOL RENOVATION

EROSION CONTROL DETAILS

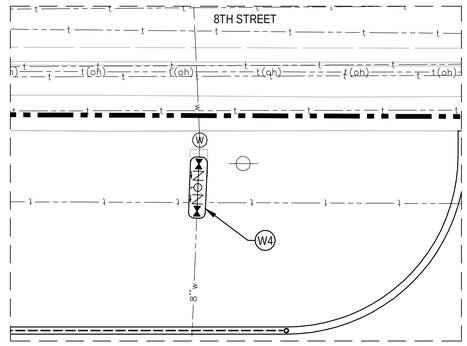
DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE	SHEET NO. CE501
DESIGNED BY	JDK		24 OF 158 SHTS
DRAWN BY	PX		
CHECKED BY	SKS	CITY ENGINEER	WR21017 PROJECT NO.
RECORD DWGS.		STOCKTON, CALIFORNIA	

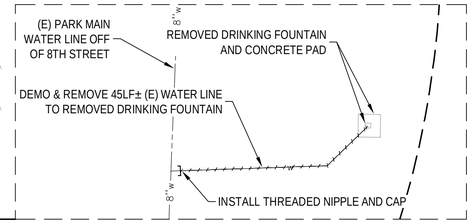
5541.23C



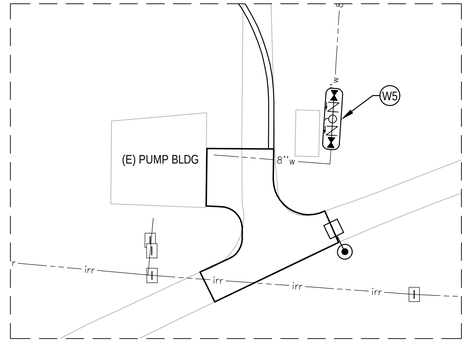
1 EXISTING UTILITIES & DEMOLITIONS
N.T.S.



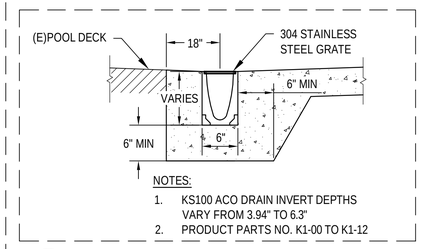
3 ADDITION OF 4" REDUCED PRESSURE BFP
N.T.S. PARK MAIN WATER SUPPLY - CALWATER



4 DEMOTION OF DRINKING FOUNTAIN WATERLINE
N.T.S. 100'± SOUTH OF 8TH STREET



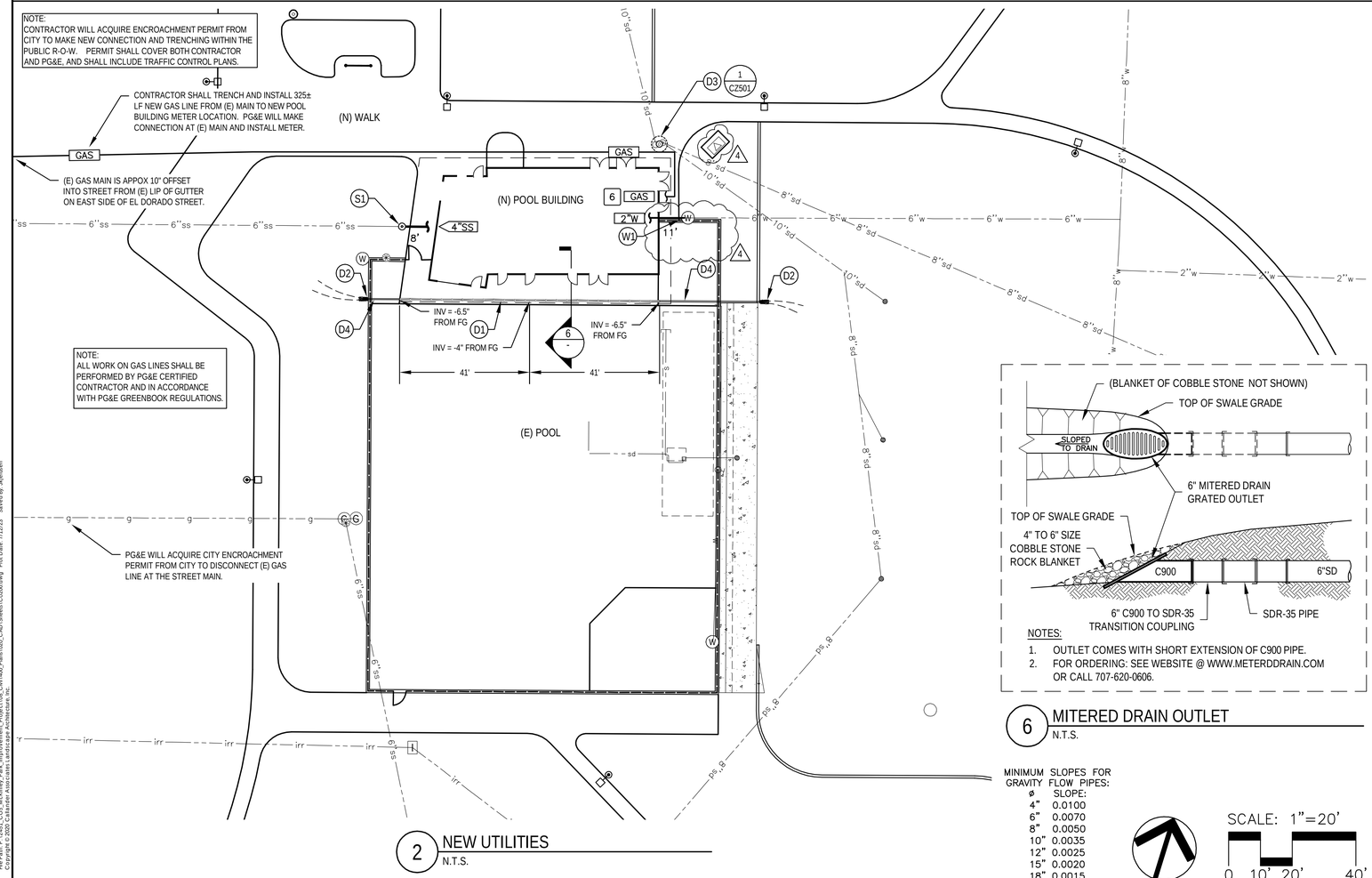
5 ADDITION OF 4" REDUCED PRESSURE BFP
N.T.S.



NOTES:
1. KS100 ACO DRAIN INVERT DEPTHS VARY FROM 3.94" TO 6.3"
2. PRODUCT PARTS NO. K1-00 TO K1-12

7 ACO TRENCH DRAIN STRUCTURE
N.T.S.

NOTE:
CONTRACTOR WILL ACQUIRE ENCROACHMENT PERMIT FROM CITY TO MAKE NEW CONNECTION AND TRENCHING WITHIN THE PUBLIC R-O-W. PERMIT SHALL COVER BOTH CONTRACTOR AND PG&E, AND SHALL INCLUDE TRAFFIC CONTROL PLANS.



2 NEW UTILITIES
N.T.S.

NOTES:
1. OUTLET COMES WITH SHORT EXTENSION OF C900 PIPE.
2. FOR ORDERING: SEE WEBSITE @ WWW.METERDDRAIN.COM OR CALL 707-620-0606.

6 MITERED DRAIN OUTLET
N.T.S.

MINIMUM SLOPES FOR GRAVITY FLOW PIPES:

Ø	SLOPE:
4"	0.0100
6"	0.0070
8"	0.0050
10"	0.0035
12"	0.0025
15"	0.0020
18"	0.0015

SCALE: 1"=20'
0 10' 20' 40'

GENERAL UTILITY NOTES:

1. ALL PIPELINE JOINTS AND INSTALLATION SHALL CONFORM WITH THE PIPE MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS AND THE REQUIREMENTS OF ASTM SPECIFICATIONS C443, LATEST REVISION.
2. ALL FITTINGS SHALL MATCH THE TYPE OF PIPE BEING USED.
3. JOINING OF UNLIKE PIPE SECTIONS SHALL BE WITH APPROVED FLEXIBLE BAND SEALS OR TRANSITION COUPLINGS ONLY.
4. ALL ON-SITE TRENCHING SHALL CONFORM TO TRENCHING DETAIL, THESE PLANS.
5. ALL NON-FERROUS PIPES SHALL BE INSTALLED WITH TRACE WIRE.
6. NATURAL GAS & ELECTRICAL SERVICES SHOWN ARE FOR REFERENCE ONLY AND ARE BY OTHERS. CONTRACTOR SHALL COORDINATION WITH PROJECT MANAGER FOR THE LOCATION AND INSTALLATION OF SAID IMPROVEMENTS.

SANITARY SEWER NOTES

S1 INSTALL CLEANOUT TO GRADE PER COS STD DWG S-18. PRIOR TO CONSTRUCTION, FIELD VERIFY EXISTING PIPE DIAMETER AND DEPTH.

STORM DRAIN NOTES

D1 INSTALL 28" ± OF "ACO KLASSICDRAIN SERIES" SHALLOW SLOT DRAIN, MODEL KS100, OR APPROVED EQUAL. SLOT DRAIN INVERT DEPTHS RANGE FROM 4" TO 6.5" MEASURED FROM FINISH GRADE. SEE DETAIL 7, THIS SHEET

D2 INSTALL COBBLE STONE ROCK PACK AT SLOT DRAIN OUTFALL, SEE DETAIL 6 THIS SHEET. ROCK BEDDING INVERT TO MAINTAIN 0.5% SLOPE INTO LANDSCAPE AREAS.

D3 RECONSTRUCT SHALLOW CAST-IN-PLACE 5Ø CONCRETE SDMH WITH PRECAST CONC FLAT LID AND 30"Ø FRAME AND SOLID LID. PRIOR TO CONSTRUCTION, FIELD VERIFY DEPTHS AND LOCATIONS OF PIPES CONNECTING INTO THIS JUNCTION POINT.

D4 INSTALL UNDER DRAIN TO DIRECT FLOW UNDER POOL DECK INTO LANDSCAPE AREAS.

WATER LINE NOTES

W1 CONNECT TO EXITING WATER LINE RUN 2" LINE TO BUILDING AS SHOWN.

W2 INSTALL WATER METERS, VALVES AND REDUCED PRESSURE ASSEMBLIES CONFORMING TO CALWATER STANDARD PLANS AND SPECIFICATIONS.

W3 DOMESTIC REDUCED PRESSURE ASSEMBLIES MUST BE SITUATED WITHIN 4-FEET OF WATER METER.

W4 INSTALL 6" REDUCED PRESSURE BACKFLOW PREVENTER, SEE DETAIL 3 SHEET CZ502.

W5 REMOVE (E) DOUBLE CHECK BACKFLOW PREVENTER AND REPLACE WITH 4" Ø REDUCED PRESSURE BACKFLOW PREVENTER, SEE DETAIL 3 SHEET CZ502.

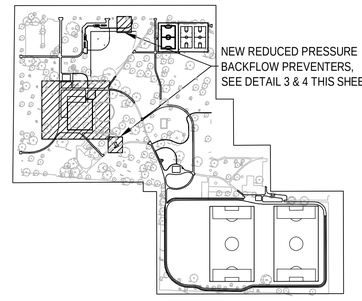
IRRIGATION NOTES

I1 REFER TO LANDSCAPE AND IRRIGATION PLANS FOR IRRIGATION IMPROVEMENTS.

PIPELINE & MATERIALS NOTES

SANITARY SEWER (4"-15")	PVC, SHALL CONFORM TO ASTM D3034, SDR-35, PS46.
STORM DRAIN (4"-15")	PVC, SHALL CONFORM TO ASTM D3034, SDR-35, PS46.
WATER (2")	PVC, SCHEDULE 40, TYPE 1, GRADE 1 COMPOUND WITH CELL CLASSIFICATION OF 12454 PER ASTM D1784. SEE SECTION 76 OF THE CITY OF STOCKTON STANDARD SPECIFICATIONS. REFERENCE IS ALSO MADE TO CITY OF STOCKTON STANDARD DETAILS: W-3 & W-4.

KEY MAP



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JANUARY 5 , 2023 CALA PROJECT NO. 21013

MCKINLEY PARK AND POOL RENOVATION

POOL HOUSE - UTILITY PLAN

PERMIT REVIEW SET

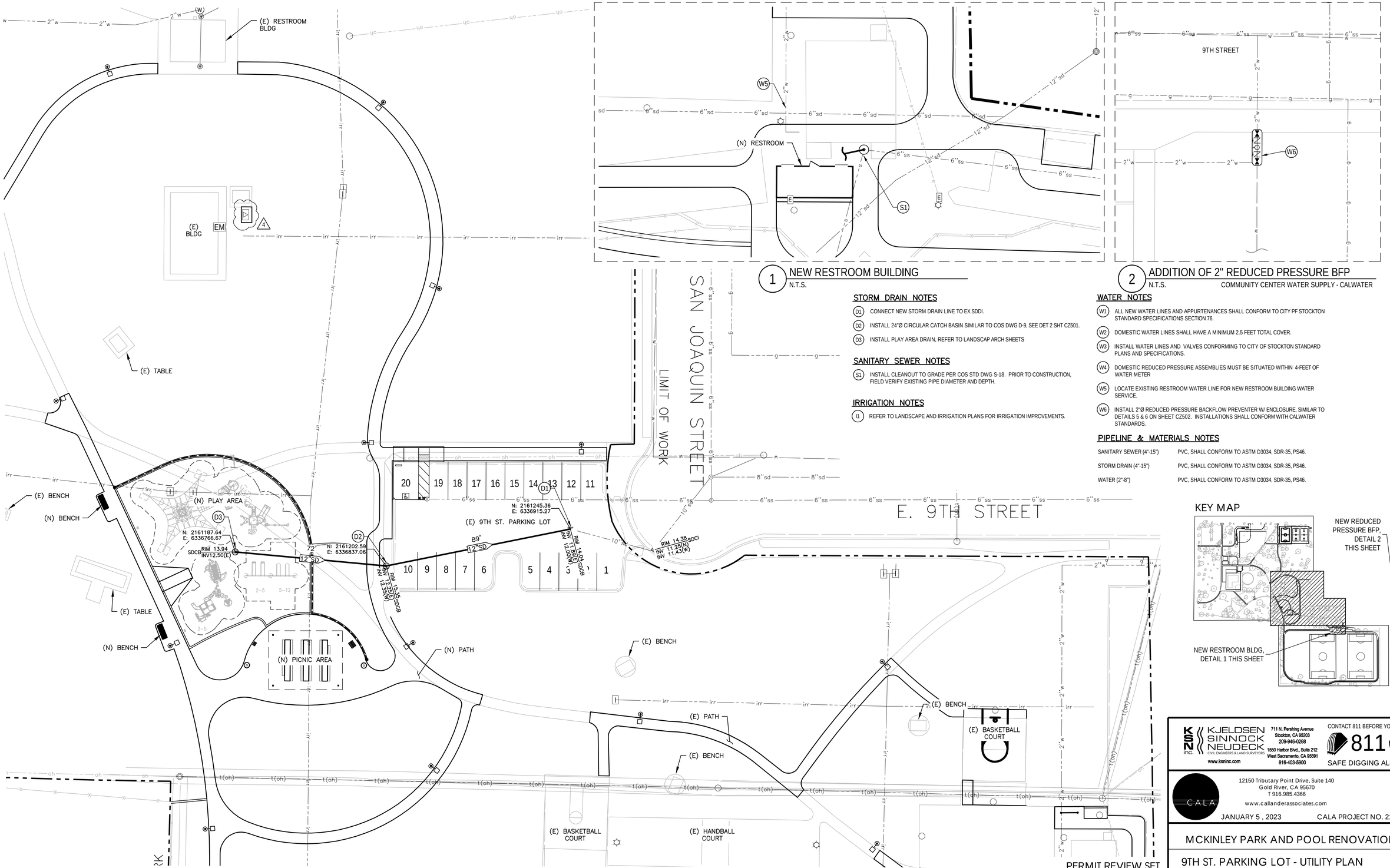
REGISTERED PROFESSIONAL ENGINEER JEFFREY D. KJELDSEN NO. 61898 CIVIL STATE OF CALIFORNIA 1-5-2023

Revision No.	Description	Date	By	Aprvd. By
4	CITY REVISIONS	4-13-2023	PX	JDK
1	Response to Permit Cyc-1 Comments	11-14-2022	PX	JDK

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE	SHEET NO. CU203
DESIGNED BY	JDK		25 OF 158 SHTS
DRAWN BY	PX		
CHECKED BY	SKS	CITY ENGINEER	WR21017
RECORD DWGS.		STOCKTON, CALIFORNIA	PROJECT NO.

5541.24C



1 NEW RESTROOM BUILDING
N.T.S.

2 ADDITION OF 2" REDUCED PRESSURE BFP
N.T.S.

COMMUNITY CENTER WATER SUPPLY - CALWATER

STORM DRAIN NOTES

- D1 CONNECT NEW STORM DRAIN LINE TO EX SDDI.
- D2 INSTALL 24"Ø CIRCULAR CATCH BASIN SIMILAR TO COS DWG D-9, SEE DET 2 SHT CZ501.
- D3 INSTALL PLAY AREA DRAIN, REFER TO LANDSCAP ARCH SHEETS

SANITARY SEWER NOTES

- S1 INSTALL CLEANOUT TO GRADE PER COS STD DWG S-18. PRIOR TO CONSTRUCTION, FIELD VERIFY EXISTING PIPE DIAMETER AND DEPTH.

IRRIGATION NOTES

- I1 REFER TO LANDSCAPE AND IRRIGATION PLANS FOR IRRIGATION IMPROVEMENTS.

WATER NOTES

- W1 ALL NEW WATER LINES AND APPURTENANCES SHALL CONFORM TO CITY PF STOCKTON STANDARD SPECIFICATIONS SECTION 76.
- W2 DOMESTIC WATER LINES SHALL HAVE A MINIMUM 2.5 FEET TOTAL COVER.
- W3 INSTALL WATER LINES AND VALVES CONFORMING TO CITY OF STOCKTON STANDARD PLANS AND SPECIFICATIONS.
- W4 DOMESTIC REDUCED PRESSURE ASSEMBLIES MUST BE SITUATED WITHIN 4-FEET OF WATER METER
- W5 LOCATE EXISTING RESTROOM WATER LINE FOR NEW RESTROOM BUILDING WATER SERVICE.
- W6 INSTALL 2"Ø REDUCED PRESSURE BACKFLOW PREVENTER W/ ENCLOSURE, SIMILAR TO DETAILS 5 & 6 ON SHEET CZ502. INSTALLATIONS SHALL CONFORM WITH CALWATER STANDARDS.

PIPELINE & MATERIALS NOTES

SANITARY SEWER (4"-15")	PVC, SHALL CONFORM TO ASTM D3034, SDR-35, PS46.
STORM DRAIN (4"-15")	PVC, SHALL CONFORM TO ASTM D3034, SDR-35, PS46.
WATER (2"-8")	PVC, SHALL CONFORM TO ASTM D3034, SDR-35, PS46.

KEY MAP

SCALE: 1"=20'
0 10' 20' 40'

REGISTERED PROFESSIONAL ENGINEER
JEFFREY D. KJELDSEN
NO. 61898
CIVIL
STATE OF CALIFORNIA
1-5-2023

Revision No.	Description	Date	By	Aprvd. By
4	CITY REVISIONS	4-13-2023	PX	JDK

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JANUARY 5 , 2023 CALA PROJECT NO. 21013

MCKINLEY PARK AND POOL RENOVATION

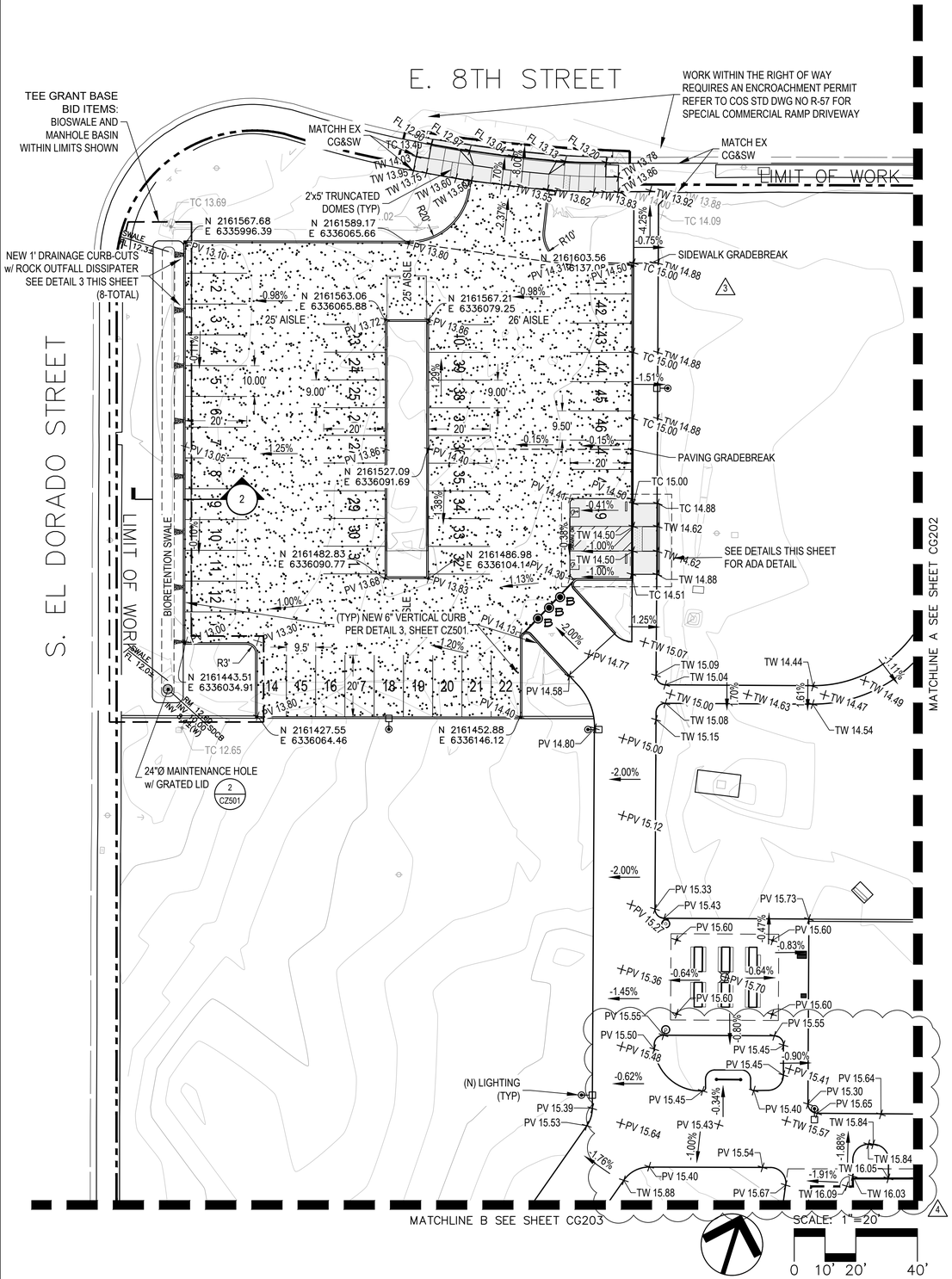
9TH ST. PARKING LOT - UTILITY PLAN

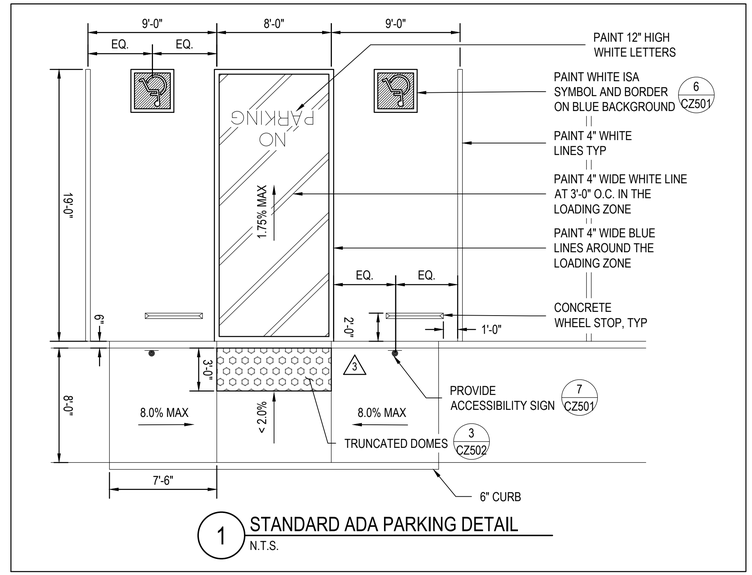
DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY:	7/24/23 DATE
DESIGNED BY	JDK		
DRAWN BY	PX		
CHECKED BY	SKS		CITY ENGINEER
RECORD DWGS.			STOCKTON, CALIFORNIA

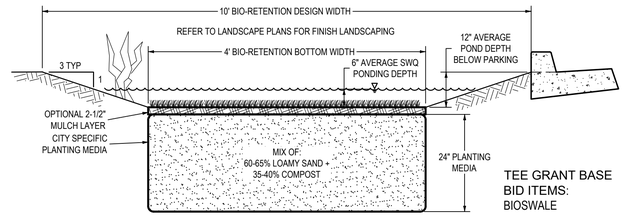
SHEET NO. CU204
26 OF 158 SHTS
WR21017 PROJECT NO.

5541.25C

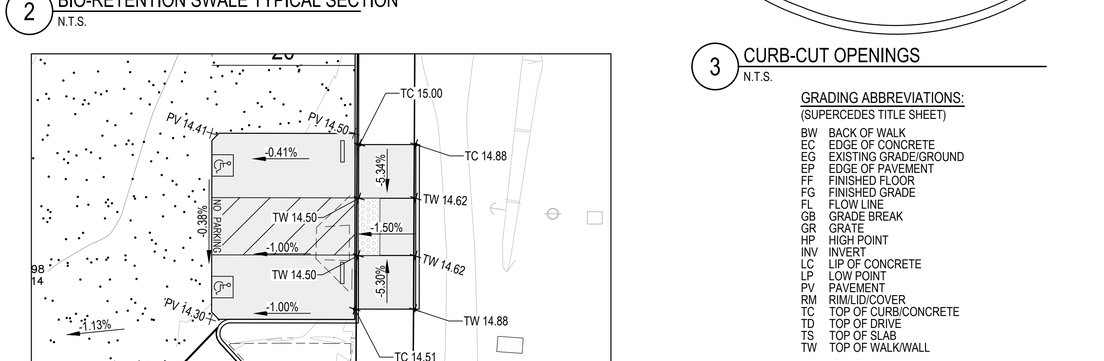




1 STANDARD ADA PARKING DETAIL
N.T.S.

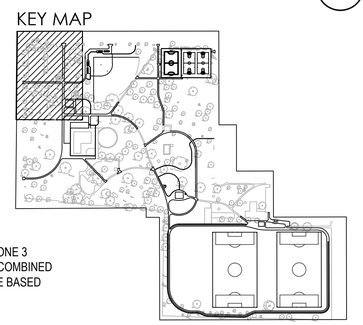


2 BIO-RETENTION SWALE TYPICAL SECTION
N.T.S.



3 CURB-CUT OPENINGS
N.T.S.

4 ADA PARKING DETAIL
SCALE: 1" = 10'



LEGEND

NEW ASPHALT CONCRETE, SEE DETAIL 8, SHEET CZ501

NEW PORTLAND CEMENT CONCRETE, SEE DETAILS AND STANDARD DRAWINGS

GENERAL GRADING NOTES:

1. ALL ELEVATIONS IN PAVED AREAS REFERENCE FINISHED PAVING ELEVATION, OR AS OTHERWISE NOTED.
2. ALL NEW WALKS SHALL HAVE CROSS-SLOPES LESS THAN 2.0%.
3. ALL NEW WALKS SHALL HAVE LONGITUDINAL SLOPES LESS THAN 5.0%.
4. WHERE A NEW WALK MEETS AN EXISTING WALK WITH A CROSS-SLOPE STEEPER THAN 2.0%, CONTRACTOR SHALL REMOVE UP TO A MAXIMUM OF 10 ADDITIONAL FEET OF EXISTING WALK AND REPLACE WITH A SMOOTH LINEAR TRANSITION WALK. AT THE DISCRETION OF THE LOCAL AGENCY, A FEATHER-FILL ASPHALT TRANSITION MAY BE USED IN LIEU OF CONSTRUCTING THE TRANSITION WALK.
5. DESIGNATED ACCESSIBLE PARKING AREAS SHALL HAVE SLOPES LESS THAN 2.00% IN ANY DIRECTION.
6. UNLESS OTHERWISE DIRECTED BY THE ARCHITECT, EXTERIOR GRADES AT ENTRANCE DOORS SHALL BE LESS THAN ¼-INCH FROM BUILDING FINISH FLOOR ELEVATION AND HAVE LANDINGS WITH SLOPES LESS THAN 2.0% IN ANY DIRECTION.
7. CONTRACTOR SHALL REGRADE AND BLEND ALL SURROUNDING AREAS FOR SMOOTH TRANSITIONS WITH NEW IMPROVEMENTS.
8. ALL VERTICAL CURBS AND WALKS ARE 6-INCHES IN HEIGHT EXCEPT WHERE SHOWN OTHERWISE.
9. SUBGRADE COMPACTIONS SHALL MEET THE REQUIREMENTS IN THE GEOTECHNICAL REPORT.

GRADING ABBREVIATIONS:
(SUPERCEDES TITLE SHEET)

BW	BACK OF WALK
EC	EDGE OF CONCRETE
EG	EXISTING GRADE/GROUND
EP	EDGE OF PAVEMENT
FF	FINISHED FLOOR
FG	FINISHED GRADE
FL	FLOW LINE
GB	GRADE BREAK
GR	GRATE
HP	HIGH POINT
INV	INVERT
LC	LIP OF CONCRETE
LP	LOW POINT
PV	PAVEMENT
RM	RIM/LID/COVER
TC	TOP OF CURB/CONCRETE
TD	TOP OF DRIVE
TS	TOP OF SLAB
TW	TOP OF WALK/WALL

COORDINATES, BEARINGS, AND DISTANCES ARE BASED ON THE NORTH AMERICAN DATUM OF 1983 (NAD83) CONVERTED TO THE CALIFORNIA COORDINATE SYSTEM OF 1983, CCS83, ZONE 3 (1991.35 EPOCH), AS REFERENCED BY AVAILABLE CITY OF STOCKTON PUBLISHED CONTROL MONUMENTS, ALL DISTANCES ARE GRID. GROUND DISTANCES MUST BE MULTIPLIED BY A COMBINED SCALE FACTOR (CSF) OF 0.999938366 TO OBTAIN GRID DISTANCES. ELEVATIONS SHOWN ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). UNITS SHOWN ARE BASED ON THE U.S. SURVEY FOOT. A CONVERGENCE ANGLE OF - 0°28'45.5" AND THE CSF WERE DETERMINED AT CONTROL POINT 31.

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JANUARY 5 , 2023 — CALA PROJECT NO. 21013

MCKINLEY PARK AND POOL RENOVATION

GRADING PLAN 1

PERMIT REVIEW SET

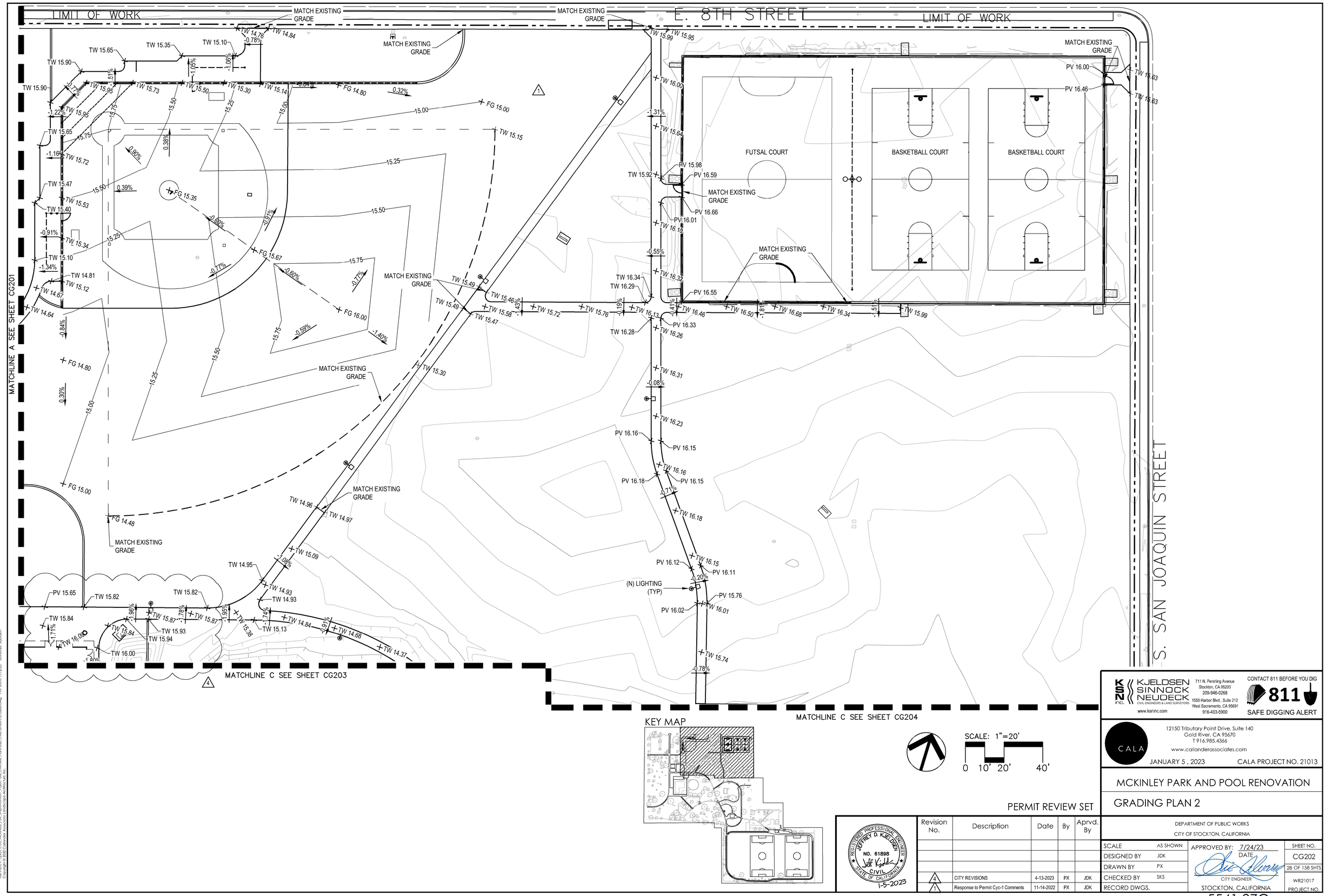
REGISTERED PROFESSIONAL ENGINEER — JEFFREY D. KJELDSEN — NO. 61898 — CIVIL — STATE OF CALIFORNIA — 1-5-2023

Revision No.	Description	Date	By	Aprvd. By
4	CITY REVISIONS	4-13-2023	PX	JDK
3	Response to Permit Cyc-3 Comments	3-3-2023	PX	JDK
2	Response to Permit Cyc-2 Comments	12-22-2022	PX	JDK

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY:	SHEET NO.
DESIGNED BY	JDK	DATE 7/24/23	CG201
DRAWN BY	PX		27 OF 158 SHTS
CHECKED BY	SKS	CITY ENGINEER	WR21017
RECORD DWGS.		STOCKTON, CALIFORNIA	PROJECT NO.

5541.26C



KEY MAP

SCALE: 1"=20'

0 10' 20' 40'

PERMIT REVIEW SET

REGISTERED PROFESSIONAL ENGINEER JEFFREY D. KJELDSEN NO. 61898 CIVIL STATE OF CALIFORNIA 1-5-2023

Revision No.	Description	Date	By	Aprvd. By
4	CITY REVISIONS	4-13-2023	PX	JDK
1	Response to Permit Cyc-1 Comments	11-14-2022	PX	JDK

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JANUARY 5 , 2023 CALA PROJECT NO. 21013

MCKINLEY PARK AND POOL RENOVATION

GRADING PLAN 2

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY:	7/24/23 DATE
DESIGNED BY	JDK		CITY ENGINEER
DRAWN BY	PX		STOCKTON, CALIFORNIA
CHECKED BY	SKS		
RECORD DWGS.			

SHEET NO. CG202 28 OF 158 SHTS

WR21017 PROJECT NO.

5541.27C

MATCHLINE B SEE SHEET CG201

MATCHLINE C SEE SHEET CG202

MATCHLINE D SEE SHEET CG204

S. EL DORADO STREET

LIMIT OF WORK

LIMIT OF WORK

PV 15.40 TW 15.88 PV 15.74 TW ??? TW 15.63 TW 15.91 TW 16.00 PV 15.91 TW 16.18 TW 16.02 TW 16.03 TW 16.32 TW 16.30 TW 16.46 (N) LIGHTING (TYP) TW 16.43 TW 16.21 TW 16.19 TW 16.08 TW 15.89 TW 15.99 TW 15.98

PV 15.67 TW 16.09 TW 16.03 TW 15.94 F.F. 16.10 TW 15.95 TW 16.08 TW 15.75 RIM 16.00 INV 15.46 RIM 16.00 INV 15.67 RIM 16.00 INV 15.46 TW 16.00 TW 16.08 TW 16.09 TW 15.90

MATCH EXISTING TOP OF WALL

TW 15.82 TW 12.35 COVER EX VENT WINDOW WITH 1/8" PLATE STEEL. OVERLAP EDGES 12" MINIMUM

TW 15.84 TW 11.62 1 COVER EX DOOR WITH 1/8" PLATE STEEL. OVERLAP EDGES AND TOP 12" MINIMUM

TW 15.85 TW 11.61 COVER EX VENT WINDOW WITH 1/8" PLATE STEEL. OVERLAP EDGES 12" MINIMUM

TW 15.80 TW 11.37

MATCH EXISTING GRADE TW 15.96 MATCH EXISTING POOL DECK GRADE

TW 15.86 TW 14.40 MATCH EXISTING GRADE

TW 15.98 TW 15.93 TW 15.87 TW 15.73 TW 15.61 TW 15.47 TW 15.49 TW 15.43 TW 15.41 TW 15.46 TW 15.85 TW 15.68 TW 15.67 MATCH EXISTING GRADE

TW 15.63 TW 15.46 TW 15.78 TW 15.85 TW 15.80 TW 15.72 TW 15.76 TW 15.28

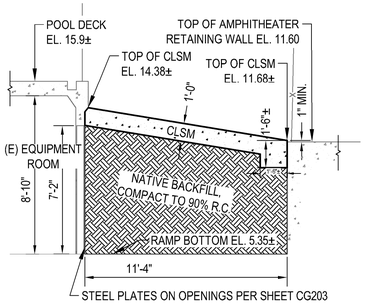
TW 14.37 TW 14.46 TW 14.63 TW 13.94 TW 13.82 TW 13.92 TW 14.14 TW 14.77 TW 14.45 TW 14.43 TW 14.71 TW 14.68

(N) CONCRETE MOWBAND (TYP) 4 LD1.0

TW 15.56 TW 15.79 TW 15.65 MATCH EXISTING GRADE MATCH EXISTING GRADE TW 15.81

TW 15.68 TW 15.60 TW 15.90 TW 15.91 TW 16.37 TW 16.28 TW 15.81 TW 16.34 TW 15.99 TW 15.61 TW 15.51 MATCH EXISTING GRADE

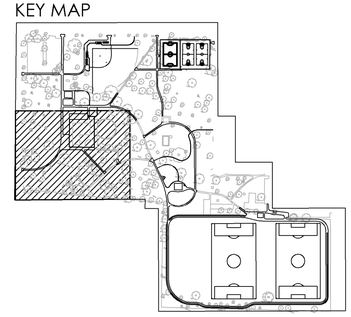
MATCH EXISTING GRADE TW 14.29 TW 14.60 TW 14.76 TW 14.31 TW 14.82 TW 14.67 TW 14.29



CONTROL LOW STRENGTH MATERIAL (CLSM) SPECIFICATION:
CLSM MIX SHALL CONFORM TO CALTRANS STANDARD SPECIFICATIONS, SECTION 19-3.02D, "SLURRY CEMENT BACKFILL." CEMENT SHALL CONFORM TO SECTION 90-1.02B(2), "CEMENT" EXCEPT TESTING IS NOT REQUIRED.

1 RAMP FILL DETAIL
N.T.S.

KEY MAP



SCALE: 1"=20'
0 10' 20' 40'

PERMIT REVIEW SET

REGISTERED PROFESSIONAL ENGINEER JEFFREY D. KJELDSEN NO. 61898 CIVIL STATE OF CALIFORNIA 1-5-2023

Revision No.	Description	Date	By	Aprvd. By
4	CITY REVISIONS	4-13-2023	PX	JDK

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JANUARY 5 , 2023 CALA PROJECT NO. 21013

MCKINLEY PARK AND POOL RENOVATION

GRADING PLAN 3

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE	SHEET NO.
DESIGNED BY	JDK		CG203
DRAWN BY	PX		29 OF 158 SHTS
CHECKED BY	SKS	CITY ENGINEER	WR21017
RECORD DWGS.		STOCKTON, CALIFORNIA	PROJECT NO.

5541.28C

MATCHLINE C SEE SHEET CG202

MATCHLINE D SEE SHEET CG203

MATCHLINE E SEE SHEET CG205

MATCHLINE G SEE SHEET CG206

MATCHLINE J SEE SHEET CG206

LIMIT OF WORK

MATCH EXISTING GRADE

MATCH EX PAD ELEV

SEE SHEET LD1.0 FOR DETAILS OF PLAY AREA CURB AND SURFACE.

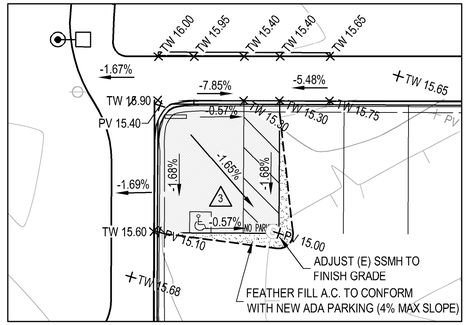
SEE DETAILS THIS SHEET FOR NEW ADA PARKING AREA

(N) LIGHTING (TYP)

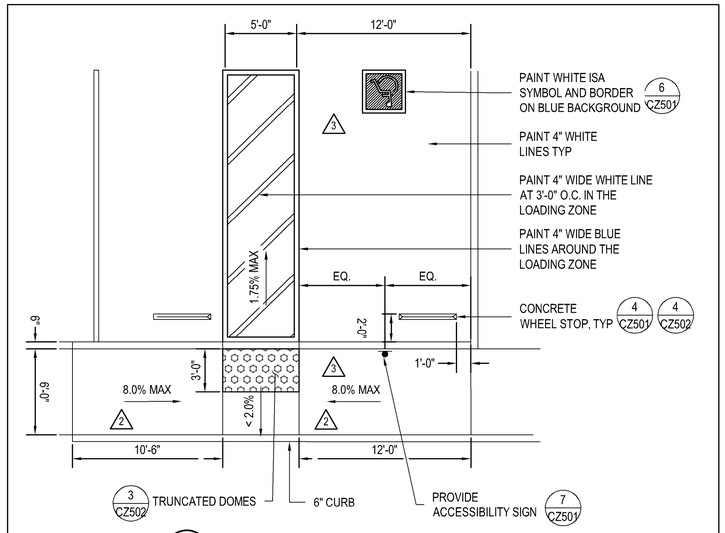
RIM 13.94 SDCB INV12.50(E)

RIM 14.38 SDCI INV 11.25(N) INV 11.43(W)

RIM 13.84 SDCB INV 12.60(W)



2 ADA PARKING DETAIL
SCALE: 1" = 10'



1 STANDARD ADA PARKING DETAIL
N.T.S.

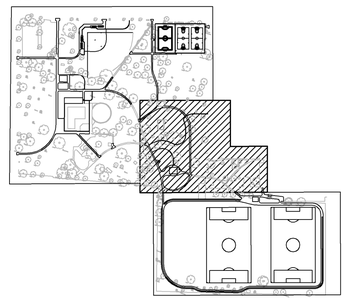
LEGNED

- CLEAN AND CRACK SEAL EXISTING PAVING APPLY (2) COATS OF TYPE II SLURRY SEAL, REFER TO SPECS FOR SURFACE PREP 1
- INSTALL NEW CONCRETE AND ADA PARKING AREA, SEE DETAIL 1 THIS SHEET
- INSTALL A.C. TRANSITION CONFORM AT ADA PARKING AREA, SEE DETAIL 2 THIS SHEET
- RECONSTRUCT FULL PAVEMENT SECTION PER DETAIL 8 SHEET CZ501
- UTILITY TRENCHING AND REPAIR PER DETAIL 2 SHEET CZ502 1

NOTE:

1. SEE SITE DEMOLITION SHEETS SD1.0 THRU SD1.5 FOR DEMO OF EXISTING PARK FEATURES.
2. SEE ARCH SITE DEMO SHEETS FOR PARKING LOT DEMO AND SUBGRADE REMOVALS.
3. SEE TREE DISPOSITION SHEETS TD1.0 THRU TD1.5 FOR REMOVAL OF TREES.
4. SEE ARCHITECTURAL SHEETS SC1.0 THRU SD1.9 FOR PARK ADDITIONAL IMPROVEMENTS.

KEY MAP



SCALE: 1"=20'
0 10' 20' 40'

PERMIT REVIEW SET

REGISTERED PROFESSIONAL ENGINEER JEFFREY D. KJELDSEN NO. 61898 CIVIL STATE OF CALIFORNIA 1-5-2023

Revision No.	Description	Date	By	Aprvd. By
4	CITY REVISIONS	4-13-2023	PX	JDK
3	Response to Permit Cyc-3 Comments	3-3-2023	PX	JDK
2	Response to Permit Cyc-2 Comments	12-22-2022	PX	JDK
1	Response to Permit Cyc-1 Comments	11-14-2022	PX	JDK

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JANUARY 5 , 2023 CALA PROJECT NO. 21013

MCKINLEY PARK AND POOL RENOVATION

GRADING PLAN 4

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE	SHEET NO. CG204
DESIGNED BY	JDK		30 OF 158 SHTS
DRAWN BY	PX		
CHECKED BY	SKS	CITY ENGINEER	WR21017 PROJECT NO.
RECORD DWGS.		STOCKTON, CALIFORNIA	

5541.29C

MATCHLINE E SEE SHEET CG204

LIMIT OF WORK

-0.31%
TW 15.74
-0.41%
TW 15.71
TW 15.59
-0.57%
TW 15.59
TW 15.61
TW 15.63
TW 15.74
TW 15.85
-1.47%
TW 15.71
TW 15.86
TW 15.90
TW 15.75
-1.93%
TW 15.78
TW 15.86
TW 16.15
TW 16.17
-0.78%
TW 16.40
TW 16.32
-0.67%
TW 16.36
TW 16.21
-2.00%
TW 16.35
-2.00%
TW 16.37
TW 16.32
TW 16.25
TW 16.42
TW 16.18
TW 16.24
TW 16.39
TW 16.06
TW 16.03
0.01%
-2.00%
TW 15.59
TW 15.44
TW 15.42
TW 15.47
TW 15.45
-0.75%
TW 15.39
TW 15.81
TW 15.89
TW 15.84
-1.44%
TW 15.82
TW 16.00
TW 16.04
TW 16.12
TW 16.25
-2.00%
TW 16.26
TW 16.20
TW 16.17
TW 16.31
-2.00%
TW 16.43
TW 16.47
TW 16.34
-1.55%
TW 15.97
TW 16.10
TW 15.83
TW 15.70
-1.46%
TW 15.87
TW 15.77
-1.38%
TW 15.82
TW 15.93

-0.60±%
FG 16.60
SOCCER FIELD
-0.60±%
-0.60±%
FG 16.60
FG 16.60
-0.60±%

(N) LIGHTING (TYP)

MATCHLINE F SEE SHEET CG206

LIMIT OF WORK

1

1

1

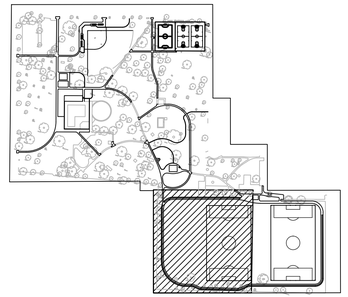
LEGNED

IMPORTED TOPSOIL

GENERAL GRADING NOTES:

1. CONTRACTOR SHALL GRADE AND BLEND NEW IMPROVEMENT AREAS FOR SMOOTH TRANSITIONS TO EXISTING ADJACENT GRADE.
2. IMPORTED TOPSOIL SHALL CONFORM TO ARCHITECTURAL SPECIFICATIONS.
3. SEE ARCHITECTURAL SHEETS SD1.4 AND SD1.5 FOR DEMO OF EXISTING BASEBALL FIELDS.

KEY MAP



SCALE: 1"=20'

0 10' 20' 40'

PERMIT REVIEW SET

REGISTERED PROFESSIONAL ENGINEER
JEFFREY D. KJELDSEN
NO. 61898
CIVIL
STATE OF CALIFORNIA
1-5-2023

Revision No.	Description	Date	By	Aprvd. By
1	Response to Permit Cyc-1 Comments	11-14-2022	PX	JDK

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JANUARY 5 , 2023 CALA PROJECT NO. 21013

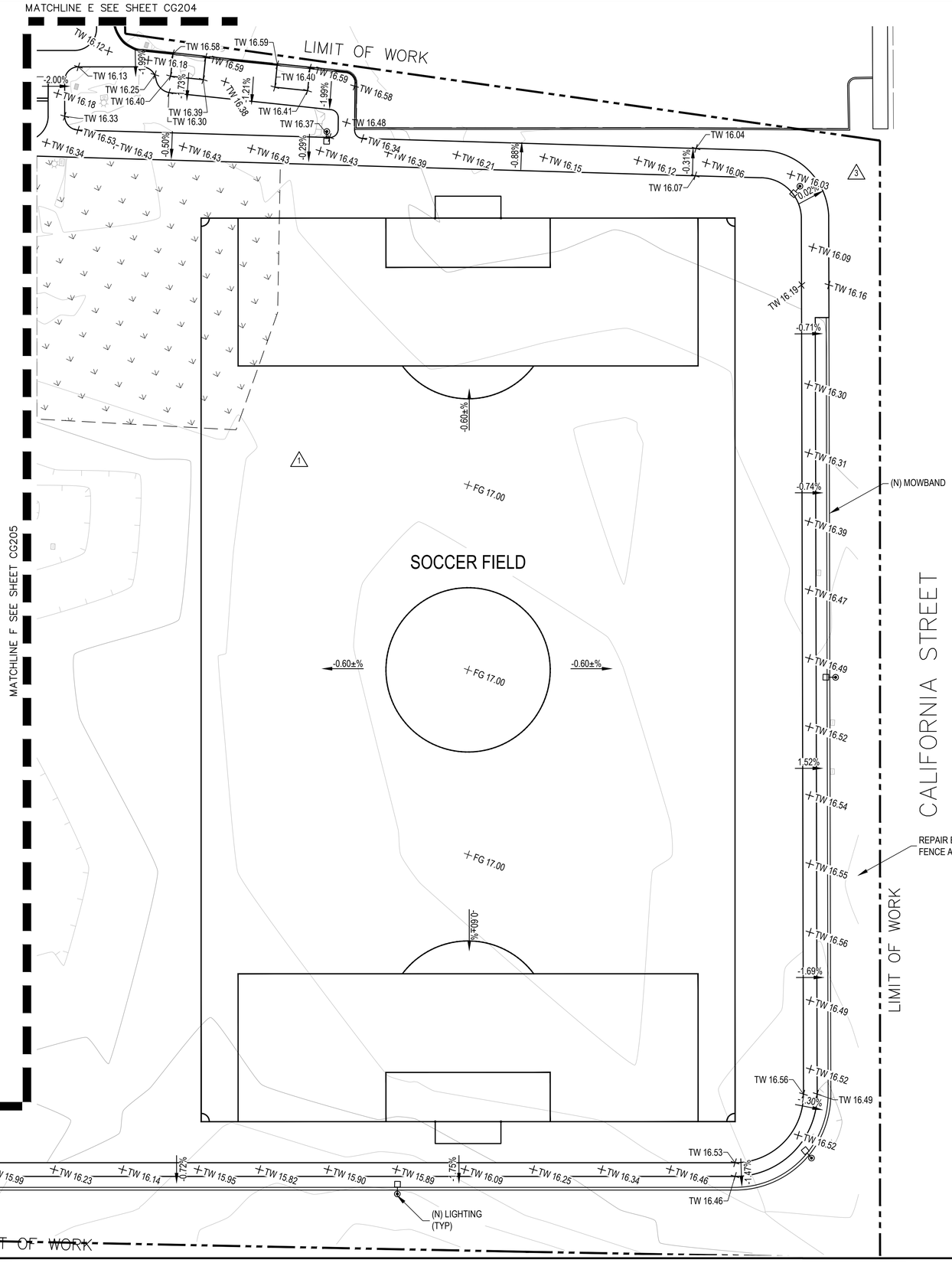
MCKINLEY PARK AND POOL RENOVATION

GRADING PLAN 5

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE	SHEET NO.
DESIGNED BY	JDK		CG205
DRAWN BY	PX		31 OF 158 SHTS
CHECKED BY	SKS	CITY ENGINEER	WR21017
RECORD DWGS.		STOCKTON, CALIFORNIA	PROJECT NO.

5541.30C



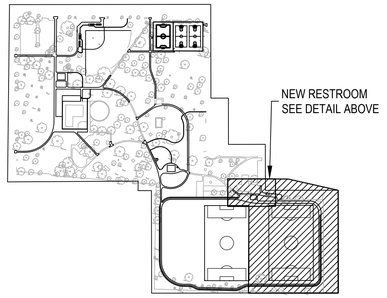
LEGNED

IMPORTED TOPSOIL

GENERAL GRADING NOTES:

1. CONTRACTOR SHALL GRADE AND BLEND NEW IMPROVEMENT AREAS FOR SMOOTH TRANSITIONS TO EXISTING ADJACENT GRADE.
2. IMPORTED TOPSOIL SHALL CONFORM TO ARCHITECTURAL SPECIFICATIONS.
3. SEE ARCHITECTURAL SHEETS SD1.4 AND SD1.5 FOR DEMO OF EXISTING BASEBALL FIELDS.

KEY MAP



SCALE: 1"=20'

0 10' 20' 40'

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JANUARY 5 , 2023 CALA PROJECT NO. 21013

MCKINLEY PARK AND POOL RENOVATION

GRADING PLAN 6

PERMIT REVIEW SET

REGISTERED PROFESSIONAL ENGINEER
JEFFREY D. KJELDSEN
NO. 61898
CIVIL
STATE OF CALIFORNIA
1-5-2023

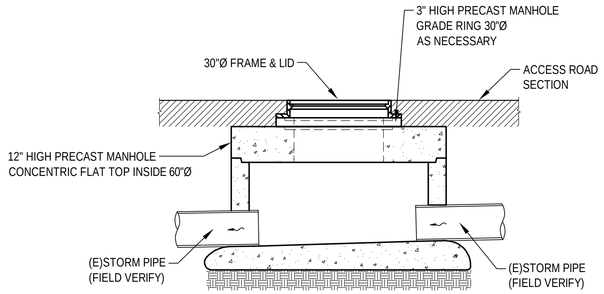
Revision No.	Description	Date	By	Aprvd. By
3	Response to Permit Cyc-3 Comments	3-3-2023	PX	JDK
1	Response to Permit Cyc-1 Comments	11-14-2022	PX	JDK

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

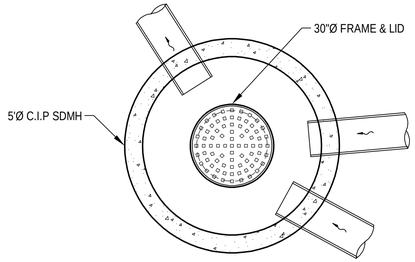
SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE
DESIGNED BY	JDK	
DRAWN BY	PX	
CHECKED BY	SKS	CITY ENGINEER
RECORD DWGS.		STOCKTON, CALIFORNIA

SHEET NO. CG206
32 OF 158 SHTS
WR21017 PROJECT NO.

5541.31C

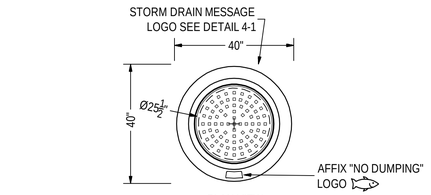


STORM PROFILE

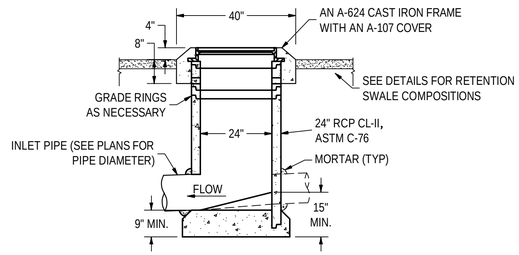


STORM PLAN

1 CAST-IN-PLACE STORM DRAIN STRUCTURE
N.T.S.

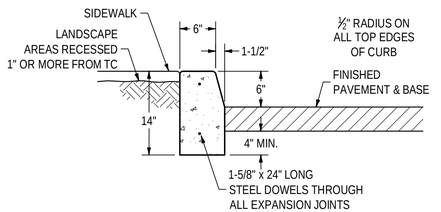


PLAN VIEW

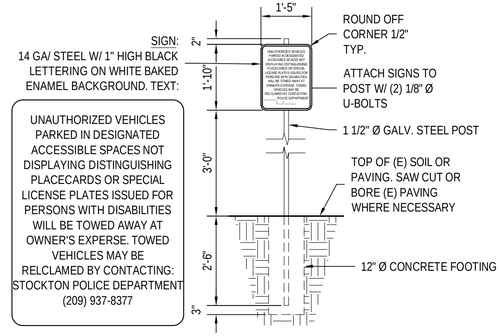


2 24" MAINTENANCE HOLE
N.T.S.

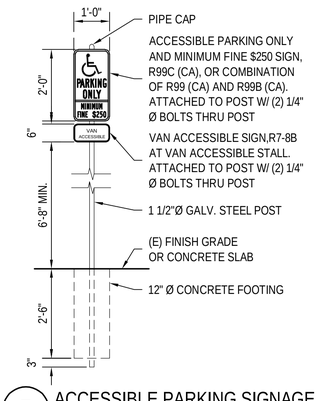
1



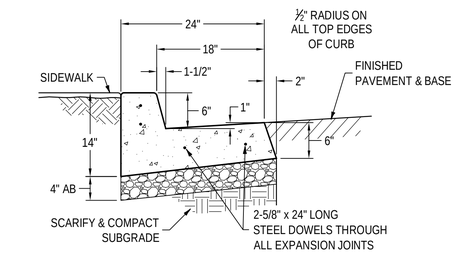
3 6" VERTICAL CURB
N.T.S.



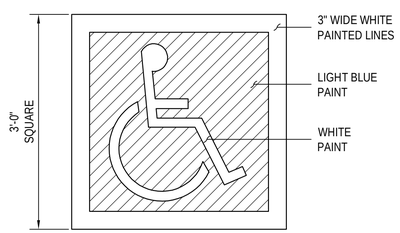
5 OFFSTREET TOW-AWAY PARKING SIGN
N.T.S.



7 ACCESSIBLE PARKING SIGNAGE
N.T.S.

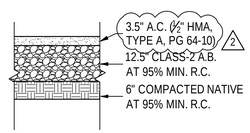


4 6" VERTICAL CURB & GUTTER
N.T.S.



NOTE:
EACH DISABLE PARKING SPACE SHALL HAVE A 3 FOOT SQUARE INTERNATIONAL SYMBOL OF ACCESSIBILITY PAINTED AS SHOWN

6 PAINTED ACCESSIBLE SYMBOL
N.T.S.



8 TYPICAL ASPHALT PAVING
N.T.S.

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JANUARY 5 , 2023 CALA PROJECT NO. 21013

MCKINLEY PARK AND POOL RENOVATION

CIVIL DETAILS SHEET 1

PERMIT REVIEW SET

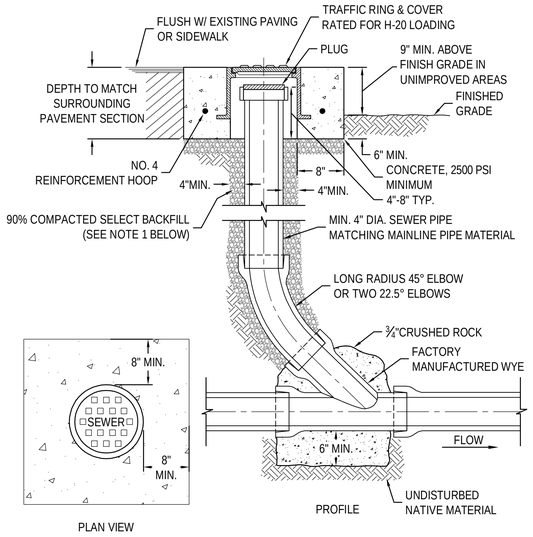
REGISTERED PROFESSIONAL ENGINEER
JEFFREY D. KJELDSEN
NO. 61898
CIVIL
STATE OF CALIFORNIA
1-5-2023

Revision No.	Description	Date	By	Aprvd. By
2	Response to Permit Cyc-2 Comments	12-22-2022	PX	JDK
1	Response to Permit Cyc-1 Comments	11-14-2022	PX	JDK

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE	SHEET NO.
DESIGNED BY	JDK		CZ501
DRAWN BY	PX		33 OF 158 SHTS
CHECKED BY	SKS	CITY ENGINEER	WR21017
RECORD DWGS.		STOCKTON, CALIFORNIA	PROJECT NO.

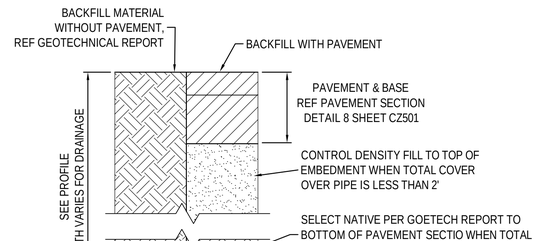
5541.32C



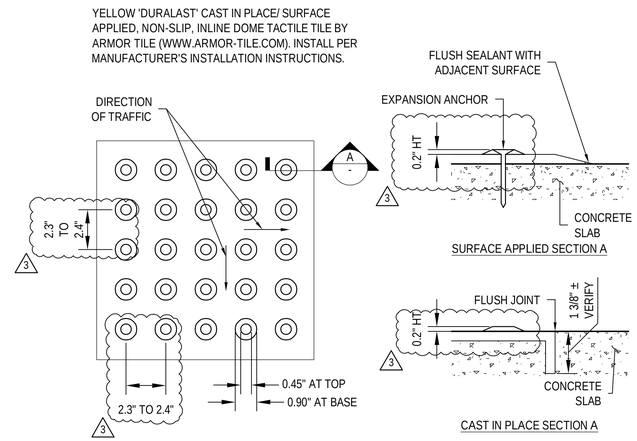
NOTE

1. SELECTED BACKFILL SHALL BE CLEAN NATIVE MATERIAL FREE OF ALL DEBRIS, LUMPS AND ROCKS GREATER THAN 2" IN GREATEST DIMENSION. COMPACT TO A MINIMUM RELATIVE COMPACTION OF 85% TO LAND SURFACE (MAXIMUN OF 12" LIFTS) IN UNIMPROVED AREAS.

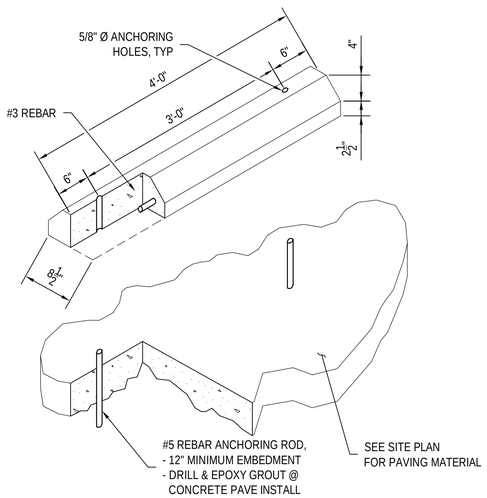
1 CLEANOUT
N.T.S.



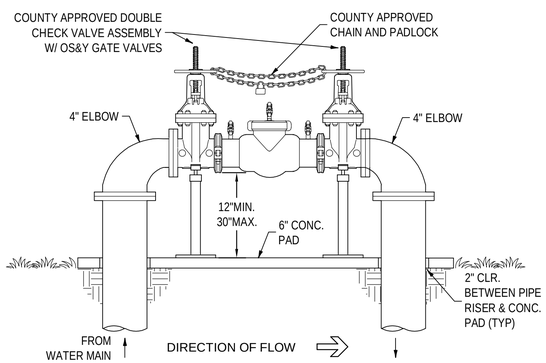
2 TRENCHING BACKFILL IN NON-PAVED AREAS
N.T.S.



3 TRUNCATED DOMES
N.T.S.

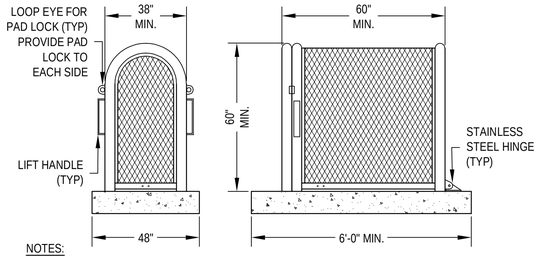


4 CONCRETE WHEEL STOP
N.T.S.



NOTE:
PRESSURE TEST AT 200 P.S.I. FOR 2 HOURS WITNESS BY THE FIRE DEPARTMENT IS REQUIRED FOR ALL SYSTEMS. THE FIRE PROTECTION SYSTEM CAN ONLY BE FILLED WITH A JUMPER THAT IS EQUIPPED WITH A BACKFLOW PREVENTION DEVICE. PIPE MAY BE CENTER LOADED FOR THIS INSPECTION, HOWEVER, ALL THRUST BLOCKS AND JOINTS MUST BE EXPOSED. PLEASE NOTE THAT COATING AND WRAPPING OF BOLTS AND TIE RODS, IF REQUIRED, MUST BE COMPLETED BEFORE CALLING FOR AN INSPECTION.

5 4" REDUCED PRESSURE BACKFLOW PREVENTER
N.T.S.



NOTES:

1. ALL PIPE SHALL BE 1-1/4" SCHEDULE 40 A.S.T.M. A53 GRADE A ELECTRIC WELD PIPE.
2. ANGLE IRON SHALL BE 1" x 1" x 1/8" STEEL.
3. EXPANDED METAL SHALL BE 1/2" SPACING x #13 GA. FLATTENED DIAMOND PATTERN STEEL.
4. THERE SHALL BE NO EXPOSED ENDS OF EXPANDED METAL ON THE OUTSIDE OF ENCLOSURE.
5. WELDING SHALL BE A MINIMUM OF 1/4" LONG WELDS ON 4" SPACING.
6. STANDARD MOUNTING BRACKETS SHALL BE WELDED ON EACH END OF LIFT OFF ENCLOSURES.
7. ONE BRACKET ON HINGED UNITS SHALL BE WELDED ON END OPPOSITE HINGES.
8. PROVIDE HARDWARE KITS FOR MOUNTING ENCLOSURE.
9. ALL HARDWARE SHALL BE SECURELY ATTACHED TO ENCLOSURES.
10. ALL ENCLOSURES SHALL WITHSTAND A MINIMUM OF 200 LBS. PER SQUARE FOOT WITHOUT ANY PERMANENT DEFLECTION OR DISTORTION.
11. 3/8" SPACING BETWEEN ANGLE IRON FRAMEWORK OF ENCLOSURE AND SLAB TO PREVENT RUSTING. ONLY PIPE ENDS TO TOUCH SLAB.
12. UNITS SHALL BE POWDER COATED PRIOR TO SITE DELIVERY.

6 UTILITY ENCLOSURE
N.T.S.

PERMIT REVIEW SET

REGISTERED PROFESSIONAL ENGINEER — JEFFREY D. KJELDSEN — NO. 61898 — CIVIL — STATE OF CALIFORNIA — 1-5-2023

Revision No.	Description	Date	By	Aprvd. By
3	Response to Permit Cyc-3 Comments	3-3-2023	PX	JDK
1	Response to Permit Cyc-1 Comments	11-14-2022	PX	JDK

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JANUARY 5 , 2023 — CALA PROJECT NO. 21013

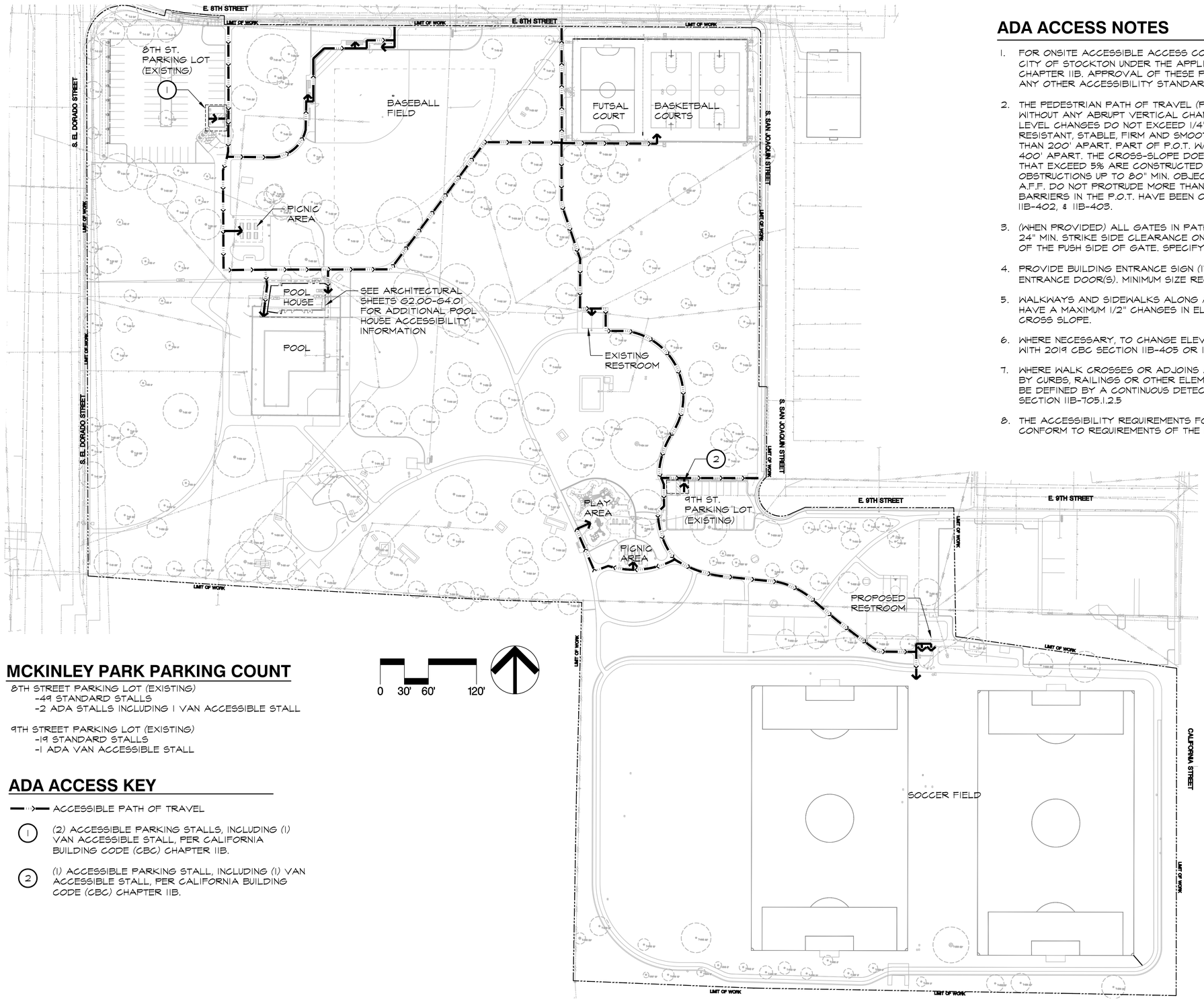
MCKINLEY PARK AND POOL RENOVATION

CIVIL DETAILS SHEET 2

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE	SHEET NO. CZ502
DESIGNED BY	JDK	CITY ENGINEER	34 OF 158 SHTS
DRAWN BY	PX		
CHECKED BY	SKS		WR21017 PROJECT NO.
RECORD DWGS.		STOCKTON, CALIFORNIA	

5541.33C



ADA ACCESS NOTES

1. FOR ONSITE ACCESSIBLE ACCESS COMPLIANCE, THESE PLANS ARE BEING REVIEWED AND INSPECTED BY THE CITY OF STOCKTON UNDER THE APPLICABLE PROVISIONS OF THE CALIFORNIA BUILDING CODE (CBC) CHAPTER 11B. APPROVAL OF THESE PLANS DOES NOT SIGNIFY REVIEW, APPROVAL OR COMPLIANCE WITH ANY OTHER ACCESSIBILITY STANDARD.
2. THE PEDESTRIAN PATH OF TRAVEL (P.O.T.) IS INDICATED AS A BARRIER FREE, COMMON ACCESS ROUTE WITHOUT ANY ABRUPT VERTICAL CHANGES EXCEEDING 1/2" BEVELED AT 1:2 MAX. SLOPE, EXCEPT THAT LEVEL CHANGES DO NOT EXCEED 1/4" VERTICAL. THE PATHS SURFACE IS AT LEAST 48" WIDE, SLIP RESISTANT, STABLE, FIRM AND SMOOTH. PASSING SPACES AT LEAST 60"x60" ARE LOCATED NOT MORE THAN 200' APART. PART OF P.O.T. W/ CONTINUOUS GRADIENTS HAVE 60" LEVEL AREAS NOT MORE THAN 400' APART. THE CROSS-SLOPE DOES NOT EXCEED 2% AND THE SLOPES IN THE DIRECTION OF TRAVEL THAT EXCEED 5% ARE CONSTRUCTED AS ACCESSIBLE RAMPS. THE P.O.T. IS FREE OF OVERHEAD OBSTRUCTIONS UP TO 80" MIN. OBJECTS PROJECTING FROM WALLS W/ LEADING EDGES BETWEEN 27" & 80" A.F.F. DO NOT PROTRUDE MORE THAN 4" FROM THE WALL. THE CONTRACTOR SHALL VERIFY THAT ALL BARRIERS IN THE P.O.T. HAVE BEEN OR WILL BE REMOVED UNDER THIS PROJECT AND COMPLIES W/ CBC 11B-402, & 11B-403.
3. (WHEN PROVIDED) ALL GATES IN PATH OF TRAVEL MUST COMPLY WITH DOOR REQUIREMENTS. PROVIDE A 24" MIN. STRIKE SIDE CLEARANCE ON THE PULL SIDE AND A SMOOTH SURFACE AT THE BOTTOM 10 INCHES OF THE PUSH SIDE OF GATE. SPECIFY ACCESSIBLE /LEVER HARDWARE.
4. PROVIDE BUILDING ENTRANCE SIGN (INTERNATIONAL SYMBOL OF ACCESSIBILITY) AT ACCESSIBLE PUBLIC ENTRANCE DOOR(S). MINIMUM SIZE REQUIRED IS 6"x6"
5. WALKWAYS AND SIDEWALKS ALONG ACCESSIBLE ROUTES OF TRAVEL ARE CONTINUOUSLY ACCESSIBLE, HAVE A MAXIMUM 1/2" CHANGES IN ELEVATION, ARE A MINIMUM 48" IN WIDTH, AND HAVE A MAXIMUM 2% CROSS SLOPE.
6. WHERE NECESSARY, TO CHANGE ELEVATION AT A SLOPE EXCEEDING 5% SHALL HAVE A RAMP COMPLYING WITH 2019 CBC SECTION 11B-405 OR 11B-406 AS APPROPRIATE.
7. WHERE WALK CROSSES OR ADJOINS A VEHICULAR WAY, AND THE WALKING SURFACES ARE NOT SEPARATED BY CURBS, RAILINGS OR OTHER ELEMENTS BETWEEN THE PEDESTRIAN AREAS AND VEHICULAR AREAS SHALL BE DEFINED BY A CONTINUOUS DETECTABLE WARNING WHICH IS 36" WIDE, COMPLYING WITH 2016 CBC SECTION 11B-705.1.2.5
8. THE ACCESSIBILITY REQUIREMENTS FOR THE CONSTRUCTION OF THIS PROJECT'S SCOPE OF WORK SHALL CONFORM TO REQUIREMENTS OF THE 1019 CBC CHAPTER 11B.

MCKINLEY PARK PARKING COUNT

8TH STREET PARKING LOT (EXISTING)
- -49 STANDARD STALLS
- -2 ADA STALLS INCLUDING 1 VAN ACCESSIBLE STALL

9TH STREET PARKING LOT (EXISTING)
- -19 STANDARD STALLS
- -1 ADA VAN ACCESSIBLE STALL

0 30' 60' 120'

ADA ACCESS KEY

ACCESSIBLE PATH OF TRAVEL

1 (2) ACCESSIBLE PARKING STALLS, INCLUDING (1) VAN ACCESSIBLE STALL, PER CALIFORNIA BUILDING CODE (CBC) CHAPTER 11B.

2 (1) ACCESSIBLE PARKING STALL, INCLUDING (1) VAN ACCESSIBLE STALL, PER CALIFORNIA BUILDING CODE (CBC) CHAPTER 11B.

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JANUARY 5, 2023 CALA PROJECT NO. 21013

MCKINLEY PARK RENOVATIONS PROJECT

ACCESSIBILITY PLAN

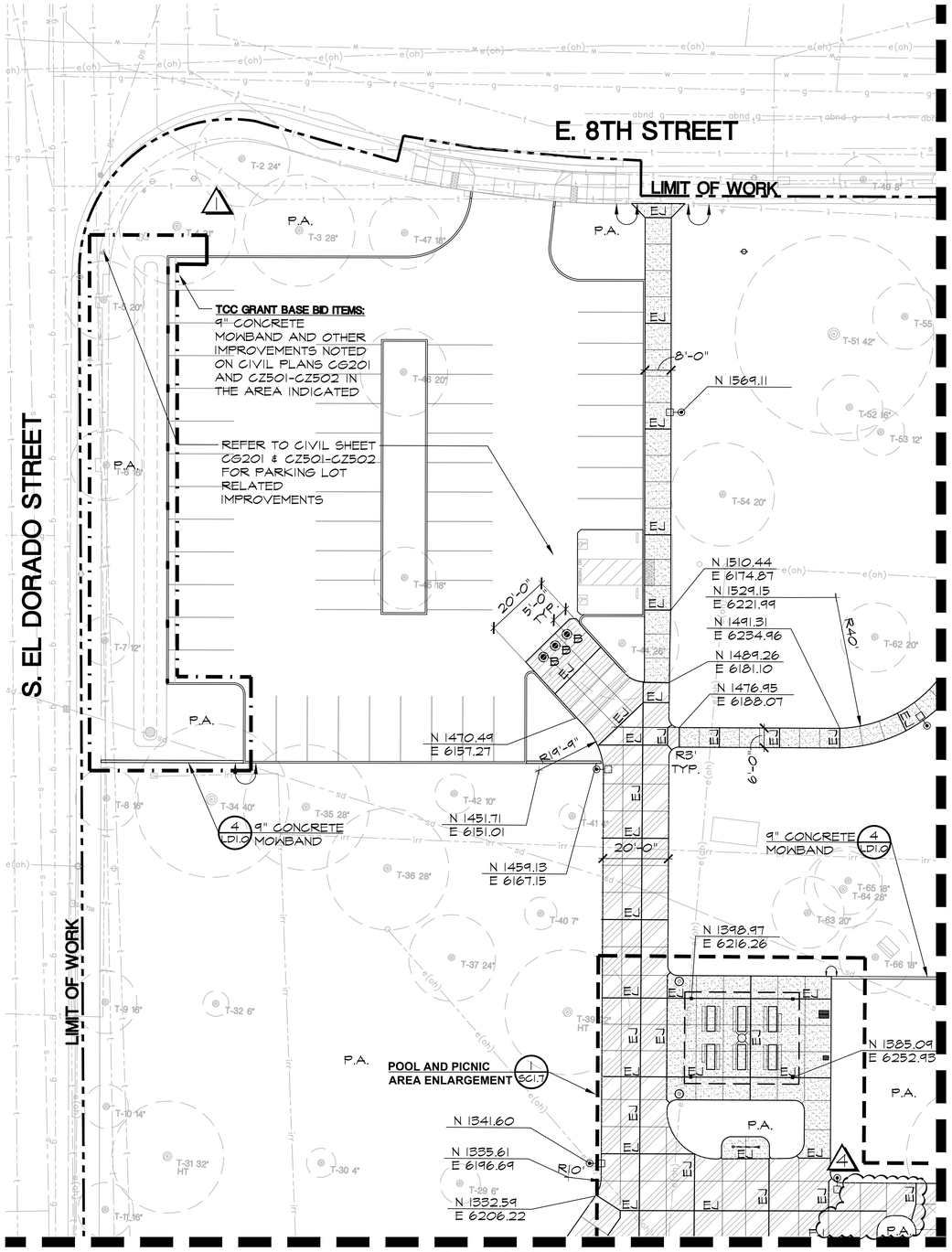
DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

LANDSCAPE ARCHITECT — EDWARD W. WILLHITE, JR. — STATE OF CALIFORNIA
Signature
May 31, 2024
Renewal Date
Date

Revision No.	Description	Date	By	Aprvd. By

SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE	SHEET NO. ADA1.00
DESIGNED BY	DCM		35 OF 158 SHTS
DRAWN BY	CM		
CHECKED BY	BW	CITY ENGINEER	WR21017 PROJECT NO.
RECORD DWGS.		STOCKTON, CALIFORNIA	

5541.34C



SITE CONSTRUCTION LEGEND

- PEDESTRIAN CONCRETE PAVEMENT — 2 LDI.G
- VEHICULAR CONCRETE PAVEMENT
- SCORE JOINT, TYP.
- EXPANSION JOINT, TYP. — 3 LDI.G
- SPORTS COURT SURFACING OVER EXISTING PAVEMENT — 2 LDI.I
- SPORTS COURT PAVEMENT — 1 LDI.I
- FOG SEAL EXISTING ASPHALT PAVEMENT — 3
- GRIND TOP 2" OF EXISTING ASPHALT COURT PAVEMENT AND INSTALL 2" ASPHALT OVERLAY, ½" HMA TYPE A WITH PG64-10 BINDER. STRIPE HALF COURT SIMILAR TO 5/LDI.I
- DECOMPOSED GRANITE PAVEMENT — 3 LDI.I — 1
- PLAY AREA WOOD FIBER — 6 LDI.G
- INFIELD MIX — 6 LDI.I
- B — REMOVABLE BOLLARD, PER CITY STANDARD DRAWING M-7. PROVIDE STOCKTON FIRE DEPARTMENT APPROVED KNOX PADLOCK FOR EACH BOLLARD
- PICNIC TABLE, PER SPECS — 7 LDI.3
- ADA PICNIC TABLE, PER SPECS — 7 LDI.3
- BICYCLE RACK, PER SPECS — 8 LDI.3
- TRASH RECEPTACLE, PER SPECS — 7 LDI.3
- BENCH, PER SPECS — 7 LDI.3
- GROUP BARBEQUE UNIT, PER SPECS — 5 LDI.3
- BARBEQUE UNIT, PER SPECS — 5 LDI.3

(SEE NOTE BELOW SITE CONSTRUCTION LEGEND REGARDING WORK TO BE COORDINATED WITH THE GREATER VALLEY CONSERVATION CORPS (GVCC))

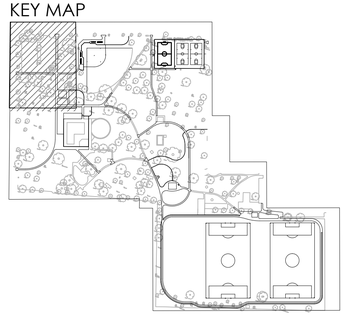
- P.A. — PLANTING AREA
- CHAIN LINK FENCE, HEIGHT PER PLAN — 1 LDI.J — 2 LDI.J
- CHAIN LINK FENCE ON MOWBAND, HEIGHT PER PLAN — 1 LDI.J — 2 LDI.J
- NEW CHAIN LINK RAILS, FABRIC, AND FITTINGS, HEIGHT PER PLAN
- POOL AREA FENCE — 4 LDI.3
- EXISTING FENCE
- ALIGN WITH EXISTING EDGES
- LIGHT POLE, PER ELECTRICAL PLANS

NOTE: PROJECT FUNDING REQUIRES A PORTION OF WORK TO BE COMPLETED BY THE LOCAL CONSERVATION CORPS. THE CITY HAS CONTRACTED WITH THE GREATER VALLEY CONSERVATION CORPS (GVCC) TO INSTALL PROJECT BLEACHERS, PLAYER'S BENCHES, PICNIC TABLES, ADA PICNIC TABLES, BICYCLE RACKS, TRASH RECEPTACLES, BENCHES, GROUP BARBEQUE UNITS AND BARBECUE UNITS. CONTRACTOR SHALL COORDINATE, REVIEW WORK PERFORMED BY GVCC, PROVIDE ALL SITE FURNISHINGS AND AUXILIARY MATERIALS RELATED TO SITE FURNISHING INSTALLATION AND SHALL GUARANTEE ALL FURNISHING AND WORK IN ACCORDANCE WITH THE SPECIFICATIONS. GVCC WILL INSTALL ALL FURNISHINGS NOTED ABOVE AS PROVIDED BY THE CONTRACTOR.

SITE CONSTRUCTION NOTES

1. DIMENSIONS: ALL WRITTEN DIMENSIONS SUPERSEDE SCALED DIMENSIONS. ALL DIMENSIONS ARE TO FACE OF CURB OR WALL, INSIDE EDGE OF CONCRETE FLATWORK/MOWBAND, CENTERLINE OF FENCE, OR CENTERPOINT OF RADIUS.
2. EXPANSION JOINTS: INSTALL EXPANSION JOINTS AS SHOWN ON DRAWINGS, AS WELL AS BETWEEN CONCRETE FLATWORK AND WALLS, CURBS, AND EXISTING FLATWORK OR STRUCTURES.
3. SLEEVING: REFER TO IRRIGATION PLAN FOR REQUIREMENTS OF SLEEVING UNDER PAVEMENT.
4. PROJECT STAKING: ALL PROPOSED SITE FEATURES SHALL BE STAKED IN FIELD FOR REVIEW BY THE CITY INSPECTOR PRIOR TO CONSTRUCTION. ALL CURVES SHALL BE SMOOTH AND CONTINUOUS WITH CAREFULLY MATCHED TANGENTS.
5. HORIZONTAL CONTROL: HORIZONTAL CONTROL IS BASED ON CONTROL POINTS IDENTIFIED ON SHEET VF1.01. COORDINATES HAVE BEEN PROVIDED FOR STRATEGIC POINTS AT PROPOSED CONSTRUCTION BASED ON THE SAME COORDINATE SYSTEM. FOR CLARITY, THE FIRST THREE DIGITS (216) FOR ALL NORTHING COORDINATES AND THE FIRST THREE DIGITS (633) FOR ALL EASTING COORDINATES HAVE BEEN TRUNCATED.
6. THE ACCESSIBILITY REQUIREMENTS FOR THE CONSTRUCTION OF THIS PROJECT'S SCOPE OF WORK SHALL CONFORM TO REQUIREMENTS OF THE 1019 CBC CHAPTER 11B.

KEY MAP



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JANUARY 5, 2023 — CALA PROJECT NO. 21013

MCKINLEY PARK RENOVATIONS PROJECT

SITE CONSTRUCTION

PERMIT REVIEW SET

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

REGISTERED LANDSCAPE ARCHITECT — BENJAMIN W. WOOSLEY, JR. — Signature — May 31, 2024 Renewal Date — Date — STATE OF CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By
1	RESPONSE TO PERMIT CYCLE 1 COMMENTS	11/14/22		
2	RESPONSE TO PERMIT CYCLE 3 COMMENTS	03/03/23		
3	TXFR PLACEMENT	04/13/23		

SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE	SHEET NO. SC1.0
DESIGNED BY	DCM	CITY ENGINEER	36 OF 156 SHTS
DRAWN BY	CM	STOCKTON, CALIFORNIA	WR21017 PROJECT NO.
CHECKED BY	BW		
RECORD DWGS.			

5541.35C

E. 8TH STREET

S. SAN JOAQUIN STREET

LIMIT OF WORK

LIMIT OF WORK

LIMIT OF WORK

P.A.

N 1643.68
E 6281.12

N 1597.87
E 6257.14

N 1541.15
E 6260.08

N 1522.23
E 6280.80

P.A.

P.A.

P.A.

P.A.

E.J.

R25'

80'-8"

4 LD1.0 12" CONCRETE MOWBAND

2 LD1.3 12FT CHAIN LINK FENCE ON MOWBAND

1 LD1.3 8FT CHAIN LINK FENCE ON MOWBAND

N 1687.30
E 6421.27

5'-0" TYP.

SPORTS COURTS ENLARGEMENT 1 SC1.8

N 1598.40

N 1617.96
E 6570.08

R3'

5'-0" TYP.

N 1583.93

N 1609.44
E 6569.61

1 SC1.9 BALLFIELD ENLARGEMENT

N 1546.73
E 6592.30

R50'-0"

N 1531.30
E 6600.27

5'-0" TYP.

N 1490.27
E 6631.55

R50'

N 1480.27

N 1473.71
E 6640.05

N 1486.23

N 1429.07
E 6290.74

R50'-0"

N 1409.16
E 6328.20

4 LD1.0 9" CONCRETE MOWBAND

1 SC1.7 POOL AND PICNIC AREA ENLARGEMENT

N 1377.39
E 6337.91

N 1345.94
E 6398.92

9" MOWBAND 4 LD1.0

5'-0"

R35'-0"

N 1429.43
E 6388.76

N 1417.99
E 6421.83

5'-0" TYP.

N 1398.72
E 6429.12

5'-0" TYP.

N 1378.03
E 6360.64

N 1397.20
E 6423.81

E 6468.94

MATCHLINE A SEE SHEET SC10

MATCHLINE C SEE SHEET SC12

MATCHLINE E SEE SHEET SC12

MATCHLINE D SEE SHEET SC13

SITE CONSTRUCTION LEGEND

- PEDESTRIAN CONCRETE PAVEMENT — 2 LD1.0
- VEHICULAR CONCRETE PAVEMENT
- SCORE JOINT, TYP. — 3 LD1.0
- EXPANSION JOINT, TYP.
- SPORTS COURT SURFACING OVER EXISTING PAVEMENT — 2 LD1.1
- SPORTS COURT PAVEMENT — 1 LD1.1
- INFIELD MIX — 6 LD1.1
- CHAIN LINK FENCE, HEIGHT PER PLAN — 1 LD1.2, 2 LD1.2
- CHAIN LINK FENCE ON MOWBAND, HEIGHT PER PLAN — 1 LD1.2, 2 LD1.2
- NEW CHAIN LINK RAILS, FABRIC, AND FITTINGS, HEIGHT PER PLAN
- EXISTING FENCE
- MATCH EXISTING GRADE
- LIGHT POLE, PER ELECTRICAL PLANS
- P.A. PLANTING AREA

SEE SHEET SC1.0 FOR SITE CONSTRUCTION NOTES

KEY MAP

0 10' 20' 40'

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JANUARY 5, 2023 CALA PROJECT NO. 21013

MCKINLEY PARK RENOVATIONS PROJECT

SITE CONSTRUCTION

PERMIT REVIEW SET

BENJAMIN W. WOODSIDE LANDSCAPE ARCHITECT — Signature — May 31, 2024 Renewal Date — Date — STATE OF CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By
1	RESPONSE TO PERMIT CYCLE 1 COMMENTS	11/14/22		
2	RESPONSE TO PERMIT CYCLE 3 COMMENTS	03/03/23		
3	TXFR PLACEMENT	04/13/23		

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE	SHEET NO. SC1.1
DESIGNED BY	DCM		37 OF 156 SHTS
DRAWN BY	CM		
CHECKED BY	BW	CITY ENGINEER	WR21017 PROJECT NO.
RECORD DWGS.		STOCKTON, CALIFORNIA	

5541.36C

MATCHLINE B SEE SHEET SC10

MATCHLINE C SEE SHEET SC11

MATCHLINE E SEE SHEET SC13

S. EL DORADO STREET

LIMIT OF WORK

LIMIT OF WORK

NEW GAS SERVICE LINE TO BE INSTALLED BY PG&E APPROVED CONTRACTOR IN ACCORDANCE WITH PG&E DESIGN AND GREEN BOOK STANDARDS, SEE ADDITIONAL REQUIREMENTS IN LEGEND.

CONTRACTOR IS RESPONSIBLE FOR ENCROACHMENT PERMIT THAT COVERS BOTH CONTRACTOR AND PG&E WORK IN RIGHT OF WAY.

GAS METER (SEE ARCHITECTURAL PLANS FOR ACTUAL PLACEMENT)

POOL HOUSE

POOL

SEE AQUATICS PLANS (SHEETS SP-1 - SP-7) FOR POOL AND POOL DECK IMPROVEMENTS

4 / LD1.5 3 / 55.0 POOL AREA FENCE ON MOWBAND

3 / LD1.5 POOL AREA GATE

4 / LD1.0 9" CONCRETE MOWBAND

NEW GAS SERVICE LINE TO BE INSTALLED BY PG&E APPROVED CONTRACTOR IN ACCORDANCE WITH PG&E DESIGN AND STANDARDS

MOWBAND TO BE PLACED FLUSH WITH EXISTING PAVEMENT EDGE.

1 / SC1.7 POOL AND PICNIC AREA ENLARGEMENT

4 / LD1.3 5 / 55.0 POOL AREA FENCE ON EXISTING WALL

END OF EXISTING WALL

4 / LD1.0 9" CONCRETE MOWBAND

N 1289.78
E 6192.66

N 1283.94
E 6195.78

N 1268.37
E 6237.40

N 1263.86
E 6241.64

N 1225.99

N 1169.63
E 6270.47

N 1073.01

N 0978.02
E 6157.02

N 0983.31
E 6174.04

N 0985.42

N 1372.77
E 6551.01

N 1330.94

N 1319.91
E 6599.94

N 1308.49

N 1204.55
E 6426.20

N 1191.27
E 6451.18

N 1205.31
E 6497.07

N 1188.39
E 6528.91

N 1172.53
E 6543.32

N 1159.44
E 6529.28

N 1129.99
E 6427.79

N 1116.62

R10' R15' R20' R150' R3' TYP. R5' TYP. R5' R11' R5' R59'-0" R349'-10"

5'-0" 13'-0" 28'-3" 8'-0" 109'-7" 19'-9"

P.A. PLANTING AREA

EJ EXPANSION JOINT

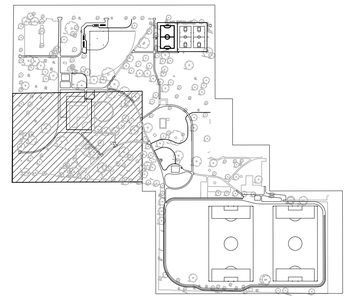
T-12 16" T-13 16" T-14 12" T-15 24" T-16 28" T-17 20" T-18 20" HT T-19 33" HT T-20 22" HT T-21 18" HT T-22 42" T-23 5" T-24 6" T-25 14" T-28 4" T-28 14" T-143 32" T-142 24" T-145 26" T-147 32" HT T-148 24" T-149 24" T-150 24" T-151 30" T-152 30" T-153 30" T-154 T-155 24" T-168 18" T-169 14" T-170 14" T-171 14" T-172 20" T-173 32" T-174 24" T-176 42" T-177 48" T-178 40" T-179 20" T-180 18" T-181 44" T-182 18" T-183 36" T-184 26" T-185 44" T-186 16" T-187 20" T-188 14" T-189 22" T-191 T-192 36"

JUNC. BOX TIN CORD TO SLY LIGHT

SITE CONSTRUCTION LEGEND

- PEDESTRIAN CONCRETE PAVEMENT
- VEHICULAR CONCRETE PAVEMENT
- SCORE JOINT, TYP.
- EXPANSION JOINT, TYP. (3 / LD1.0)
- P.A. PLANTING AREA
- EXISTING FENCE
- POOL AREA FENCE (4 / LD1.3)
- MATCH EXISTING GRADE
- LIGHT POLE, PER ELECTRICAL PLANS
- GAS — NEW GAS SERVICE LINE TO BE INSTALLED BY PG&E APPROVED CONTRACTOR IN ACCORDANCE WITH PG&E DESIGN AND GREEN BOOK STANDARDS. CONTRACTOR TO PERFORM ALL EXCAVATION AND INSTALL 344 LF OF 1-1/4" PL HP SERVICE FROM EXISTING 6" STL HP GAS MAIN, (1) 2" 5500 EFV AND (1) 1-1/4" X 1-1/4" RISER WITH ¾" BYPASS. COORDINATE WITH PG&E FOR PG&E INSTALLATION OF ALI000 METER AND TO EXECUTE HOT TIE-IN. GAS SERVICE LINE SHALL BE INSTALLED BY LICENSED, PG&E CERTIFIED CONTRACTOR PER PG&E ENGINEERING DOCUMENTS INCLUDED AS APPENDIX D IN THE SPECIFICATIONS AND IN ACCORDANCE WITH PGTE GREENBOOK MANUAL. CONTRACTOR TO OBTAIN ENCROACHMENT WORK FOR ALL CONTRACTOR AND PG&E WORK.

KEY MAP



CALL BEFORE YOU DIG USA 800-642-2444

SEE SHEET SC1.0 FOR SITE CONSTRUCTION NOTES

0 10' 20' 40'

LICENSED LANDSCAPE ARCHITECT RICHARD W. BOOKHOUT, JR. Signature May 31, 2024 Renewal Date Date STATE OF CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By
1	RESPONSE TO PERMIT CYCLE 1 COMMENTS	11/14/22		
2	RESPONSE TO PERMIT CYCLE 3 COMMENTS	03/03/23		
3	TXFR PLACEMENT	04/13/23		

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JANUARY 5, 2023 CALA PROJECT NO. 21013

MCKINLEY PARK RENOVATIONS PROJECT

SITE CONSTRUCTION

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE	SHEET NO. SC1.2
DESIGNED BY	DCM		38 OF 156 SHTS
DRAWN BY	CM		
CHECKED BY	BW	CITY ENGINEER	WR21017 PROJECT NO.
RECORD DWGS.		STOCKTON, CALIFORNIA	

PERMIT REVIEW SET

5541.37C

MATCHLINE D SEE SHEET SC1.1

MATCHLINE E SEE SHEET SC1.2

MATCHLINE F SEE SHEET SC1.4

MATCHLINE H SEE SHEET SC1.5

MATCHLINE I SEE SHEET SC1.5

S. SAN JOAQUIN STREET

E. 9TH STREET

LIMIT OF WORK

PLAY AREA ENLARGEMENT 1 SC1.6

PLAY AREA RAMP ENLARGEMENT 7 LD1.0

4 9" CONCRETE MOWBAND LD1.0

PICKLEBALL COURT STRIPING 1 SC1.4

REFER TO CIVIL SHEET CG204 FOR PARKING LOT RELATED IMPROVEMENTS

ADD ALTERNATE #1: GRIND AND OVERLAY EXISTING COURT, RESTRIPE COURT AND INSTALL CONCRETE WALKS TO COURT AS SHOWN

ADD ALTERNATE #2: FOG SEAL EXISTING ASPHALT COURT AND STRIPE FOR PICKLEBALL

INSTALL RELOCATED BACKSTOP ON EXISTING POST

P.A.

E 6640.15
N 1409.91
E 6718.42
N 1349.31
E 6620.47
N 1335.08
E 6678.76
N 1333.16
E 6735.80
N 1311.01
E 6811.31
N 1258.04
E 6810.41
N 1248.42
E 6817.03
N 1241.32
E 6821.72
N 1201.79
E 6800.44
N 1230.71
N 1236.02
N 1218.66
E 6676.51
E 6662.26
N 1217.03
E 6680.05
N 1221.08
E 6784.21
N 1164.53
E 6825.15
E 6898.92
N 1165.68
E 6852.38
N 1135.92
N 1135.09
E 6752.66
N 1132.40
E 6802.69
E 6885.62
N 1081.53
E 6789.89
N 1071.70
N 1066.89
E 6812.69
N 1045.48
E 6798.26
E 6973.26
E 6950.26
N 1167.65
E 6988.90
N 1166.02
E 7030.57
N 1165.24
E 7055.69
N 1160.22
E 7075.25
N 1221.41
E 7078.41
E 7082.97
N 1214.60
E 7116.14
N 1214.23
E 7112.06

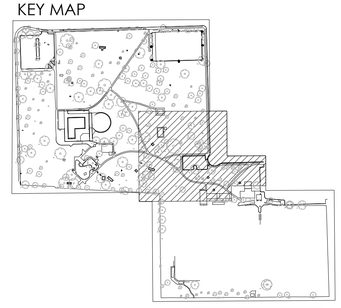
R60'-0"
R18'-8"
R100'
R20'-6"
R85'
R74'-9"
R300'
R24'-9"
R75'
R67'-6"
R168'-3"
R3'
R5'
R7'
R13'
5'-0" TYP.
2'-0"

T-141 20" T-124 10" T-121 10" T-122 12" T-123 5" T-125 18" T-126 28" HT T-140 12" T-139 36" T-127 28" T-135 18" T-136 24" T-134 64" T-129 18" T-131 26" T-130 20" T-132 12" T-137 30" HT T-138 18" T-156 T-158 26" T-157 HT T-203 20" HT T-202 T-161 24" T-159 22" T-162 24" T-164 20" T-163 26" T-206 12" T-205 10" T-207 10" T-208 16" HT T-210 10" T-219 18" T-209 26" T-211 12" T-212 12" T-213 10" T-214 14" T-215 7" T-216 18" T-217 10" T-218 12"

SITE CONSTRUCTION LEGEND

- PEDESTRIAN CONCRETE PAVEMENT
- EXPANSION JOINT, TYP. — 3 LD1.0
- SCORE JOINT, TYP.
- PLAY AREA WOOD FIBER — 6 LD1.0
- FOG SEAL EXISTING ASPHALT PAVEMENT
- GRIND TOP 2" OF EXISTING ASPHALT COURT PAVEMENT AND INSTALL 2" ASPHALT OVERLAY, ½" HMA TYPE A WITH PG64-10 BINDER. STRIPE HALF COURT SIMILAR TO 5/LD1.1
- PICNIC TABLE, PER SPECS — 7 LD1.3
- ADA PICNIC TABLE, PER SPECS — 7 LD1.3
- TRASH RECEPTACLE, PER SPECS — 7 LD1.3
- BENCH, PER SPECS — 7 LD1.3
- GROUP BARBEQUE UNIT, PER SPECS — 6 LD1.3
- BARBEQUE UNIT, PER SPECS — 5 LD1.3
- CHAIN LINK FENCE (CLF), HEIGHT PER PLAN — 1 LD1.2, 2 LD1.2
- EXISTING FENCE
- P.A. PLANTING AREA
- ALIGN WITH EXISTING EDGES
- LIGHT POLE, PER ELECTRICAL PLANS

KEY MAP



CALL BEFORE YOU DIG USA 800-642-2444

SEE SHEET SC1.0 FOR SITE CONSTRUCTION NOTES

0 10' 20' 40'

PERMIT REVIEW SET

Revision No.	Description	Date	By	Aprvd. By
1	RESPONSE TO PERMIT CYCLE 1 COMMENTS	11/14/22		
2	RESPONSE TO PERMIT CYCLE 3 COMMENTS	03/03/23		
4	TXFR PLACEMENT	04/13/23		

LICENSED LANDSCAPE ARCHITECT — BENJAMIN W. WOODSIDE, NO. 6065 — Signature — May 31, 2024 Renewal Date — Date — STATE OF CALIFORNIA

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JANUARY 5, 2023 CALA PROJECT NO. 21013

MCKINLEY PARK RENOVATIONS PROJECT

SITE CONSTRUCTION

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE	SHEET NO. SC1.3
DESIGNED BY	DCM	CITY ENGINEER	39 OF 156 SHTS
DRAWN BY	CM	STOCKTON, CALIFORNIA	WR21017 PROJECT NO.
CHECKED BY	BW		
RECORD DWGS.			

5541.38C

MATCHLINE F SEE SHEET SC1.3

MATCHLINE I SEE SHEET SC1.5

MATCHLINE J SEE SHEET SC1.5

MATCHLINE M SEE SHEET SC1.5

LIMIT OF WORK

N 1018.88
E 6811.80

P.A.
5'-0" TYP.

R53'

R5

R41'

9" CONCRETE MOWBAND (4 / LD1.0)

P.A.

4'-0" TYP.

PICKLEBALL COURT STRIPING (1 / SC1.4)

ADD ALTERNATE #2 :
FOG SEAL EXISTING ASPHALT COURT AND STRIPE FOR PICKLEBALL

24"

L=23.20'

P.A.

4'-0" TYP.

5'-0" TYP.

N 1020.40
E 6854.25

5'-0" TYP.

E 6980.70
N 1038.79
E 7003.36

SOCCER GOAL, TYP. OF 4

E 7107.71

TCC GRANT BASE BID ITEMS
PERIMETER CONCRETE AND DECOMPOSED GRANITE TRAIL AND ASSOCIATED CONCRETE MOWBAND WITHIN AREA INDICATED

4 / LD1.0 9" CONCRETE MOWBAND

N 0969.06
E 6827.34

SOCCER FIELD LAYOUT (1 / SC1.5)

4'-0" TYP.

5'-0" TYP.

N 0826.68
E 6859.62

P.A.

N 0748.38
E 6896.17

ELEC METER ABND. ON SIN. POST

R100'

T-250 36"

T-249

T-248 10"

T-247 16"

T-246 10"

T-245 22"

T-244

T-241 10"

T-240 10"

T-239 10"

T-238 8"

T-237 8"

T-236

N 0673.80

9" CONCRETE MOWBAND (4 / LD1.0)

5FT CHAIN LINK FENCE (1 / LD1.2)

N 0682.70
E 7021.42

N 0689.47
E 7043.11

N 0687.98
E 7077.38

N 0688.73
E 7088.11

E 7115.91

R34'

R26'

P.A.

217'-6"

LIMIT OF WORK

SOCCER FIELD STRIPING
4" WIDE, TYP.

E 7183.07

5FT CHAIN LINK FENCE (1 / LD1.2)

PROVIDE NEW TOP AND BOTTOM RAILS, 5FT FABRIC AND ALL FITTINGS.

N 0757.19
E 7277.31

N 0749.78
E 7264.44

N 0732.40
E 7241.43

N 0781.83
E 7287.78

R34'

R26'

E 7274.67

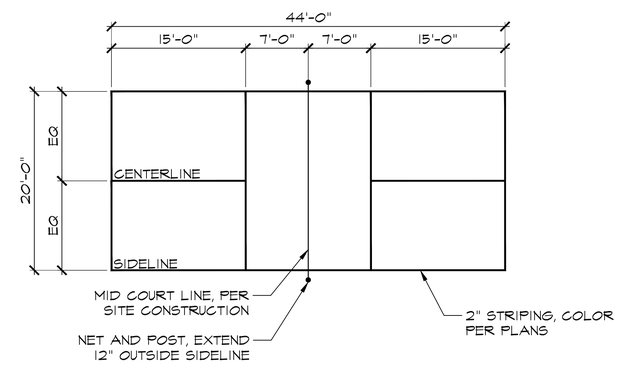
122'-0"

74'-5"

SITE CONSTRUCTION LEGEND

- PEDESTRIAN CONCRETE PAVEMENT (2 / LD1.0)
- EXPANSION JOINT, TYP.
- SCORE JOINT, TYP. (3 / LD1.0)
- DECOMPOSED GRANITE PAVEMENT (3 / LD1.1) (3)
- FOG SEAL EXISTING ASPHALT PAVEMENT
- P.A. PLANTING AREA
- CHAIN LINK FENCE (CLF), HEIGHT PER PLAN (1 / LD1.2) (2 / LD1.2)
- CLF RAILS, FABRIC, AND FITTINGS, HEIGHT PER PLAN
- EXISTING FENCE
- LIGHT POLE, PER ELECTRICAL PLANS

(3)

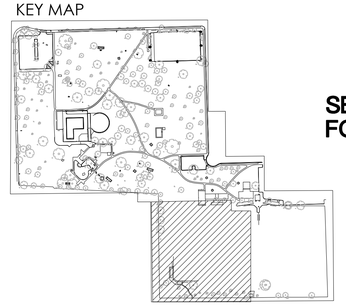


1 / SC1.4 **PICKLBALL COURT STRIPING PLAN**

0 4' 8' 16'

19028_PICKLEBALLCOURT_96.dwg

KEY MAP



SEE SHEET SC1.0 FOR SITE CONSTRUCTION NOTES

CALL BEFORE YOU DIG USA 800-642-2444

0 10' 20' 40'

PERMIT REVIEW SET

LICENSED LANDSCAPE ARCHITECT BENJAMIN W. WILKINS, JR. Signature May 31, 2024 Renewal Date Date STATE OF CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By
1	RESPONSE TO PERMIT CYCLE 1 COMMENTS	11/14/22		
2	RESPONSE TO PERMIT CYCLE 3 COMMENTS	03/03/23		
4	TXFR PLACEMENT	04/13/23		

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JANUARY 5, 2023 CALA PROJECT NO. 21013

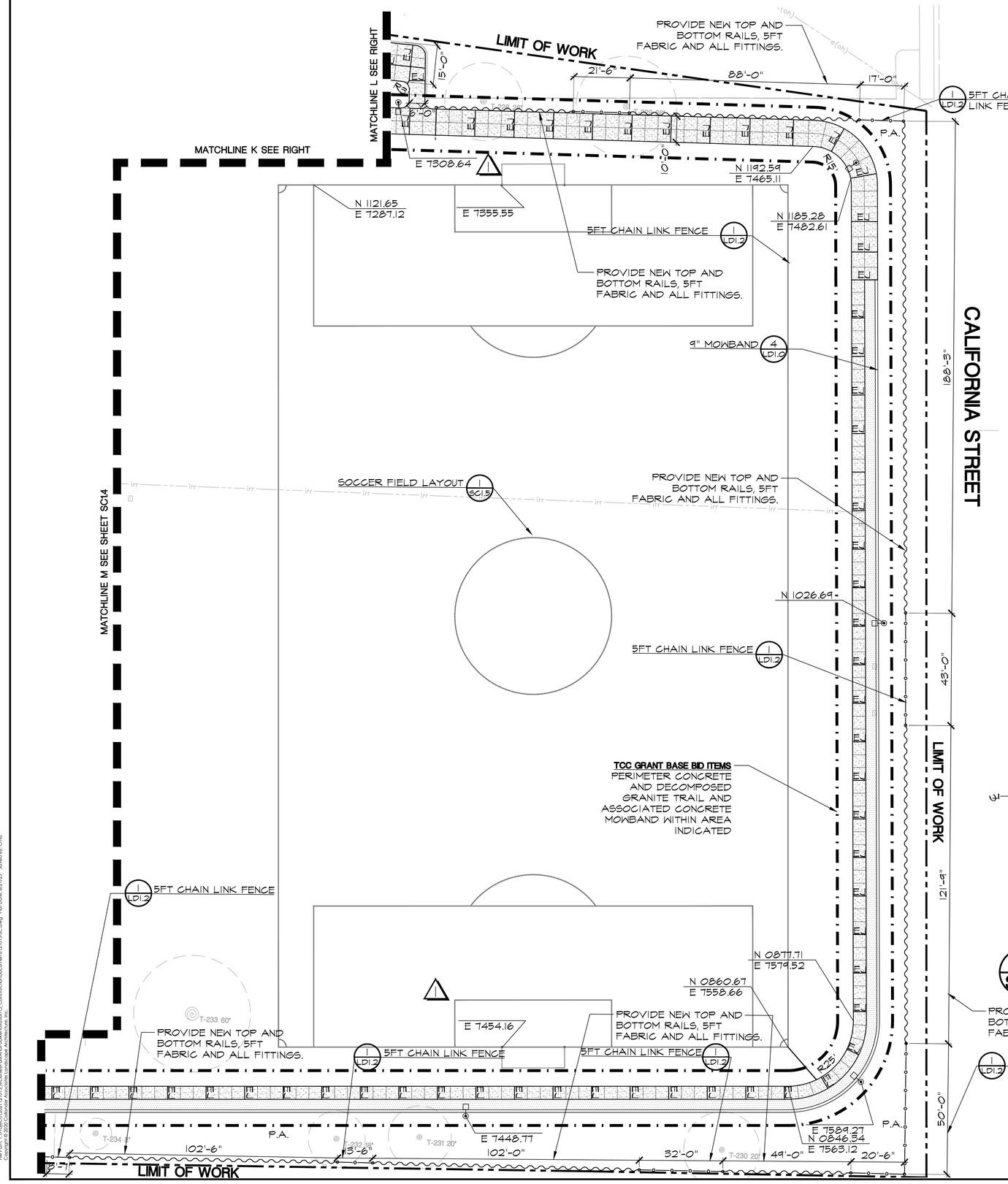
MCKINLEY PARK RENOVATIONS PROJECT

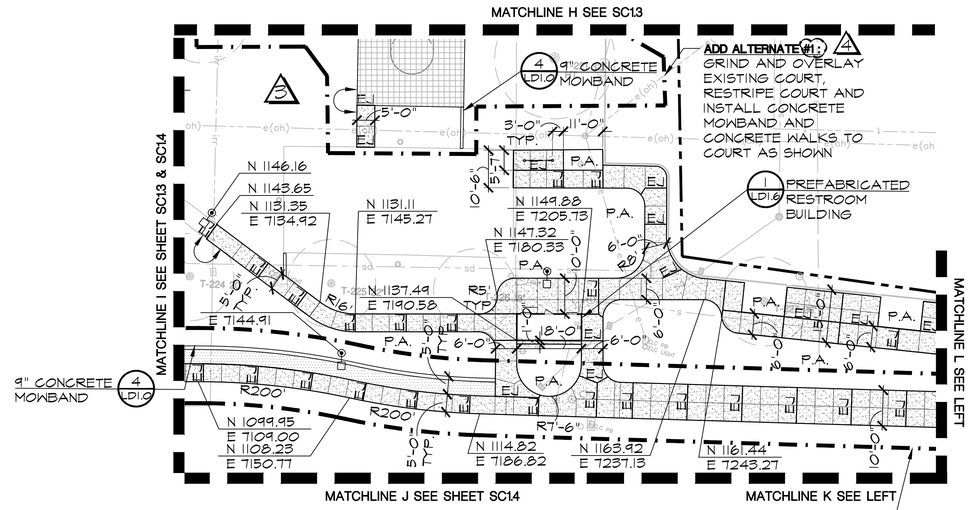
SITE CONSTRUCTION

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE	SHEET NO. SC1.4
DESIGNED BY	DCM		40 OF 156 SHTS
DRAWN BY	CM		
CHECKED BY	BW	CITY ENGINEER	WR21017 PROJECT NO.
RECORD DWGS.		STOCKTON, CALIFORNIA	

5541.39C





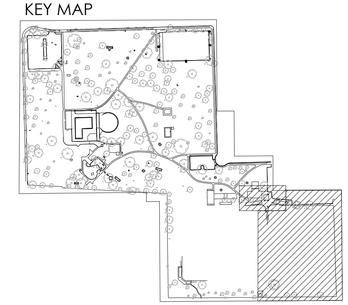
SITE CONSTRUCTION LEGEND

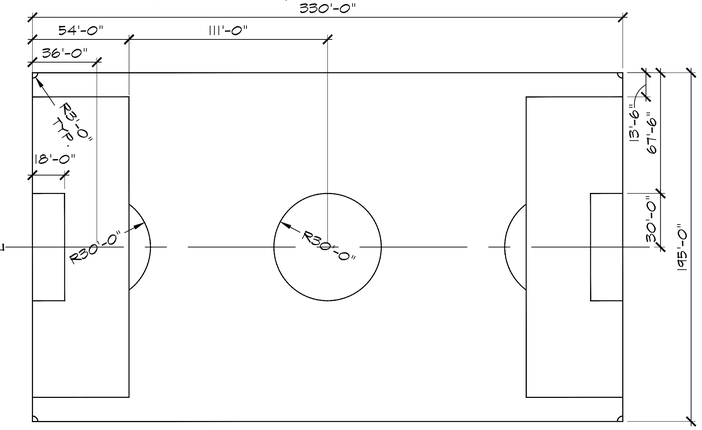
- PEDESTRIAN CONCRETE PAVEMENT — 2 LD1.0
- EXPANSION JOINT, TYP. / SCORE JOINT, TYP. — 3 LD1.0
- 2 LD1.1
- DECOMPOSED GRANITE PAVEMENT
- FOG COAT AT EXISTING ASPHALT PAVEMENT
- GRIND TOP 2" OF EXISTING ASPHALT COURT PAVEMENT AND INSTALL 2" ASPHALT OVERLAY, ½" HMA TYPE A WITH PG64-10 BINDER. STRIPE HALF COURT SIMILAR TO 5/LD1.1
- P.A. PLANTING AREA
- CHAIN LINK FENCE (CLF), HEIGHT PER PLAN — 1 LD1.2 / 2 LD1.2
- CLF RAILS, FABRIC, AND FITTINGS, HEIGHT PER PLAN
- EXISTING FENCE
- LIGHT POLE, PER ELECTRICAL PLANS

TCC GRANT BASE BID ITEMS
PERIMETER CONCRETE AND DECOMPOSED GRANITE TRAIL AND ASSOCIATED CONCRETE MOWBAND WITHIN AREA INDICATED

SEE SHEET SC1.0 FOR SITE CONSTRUCTION NOTES

KEY MAP





1 SC1.5 SOCCER FIELD LAYOUT PLAN

0 10' 20' 40'

CALL BEFORE YOU DIG USA 800-642-2444

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JANUARY 5, 2023 — CALA PROJECT NO. 21013

MCKINLEY PARK RENOVATIONS PROJECT

SITE CONSTRUCTION

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

PERMIT REVIEW SET

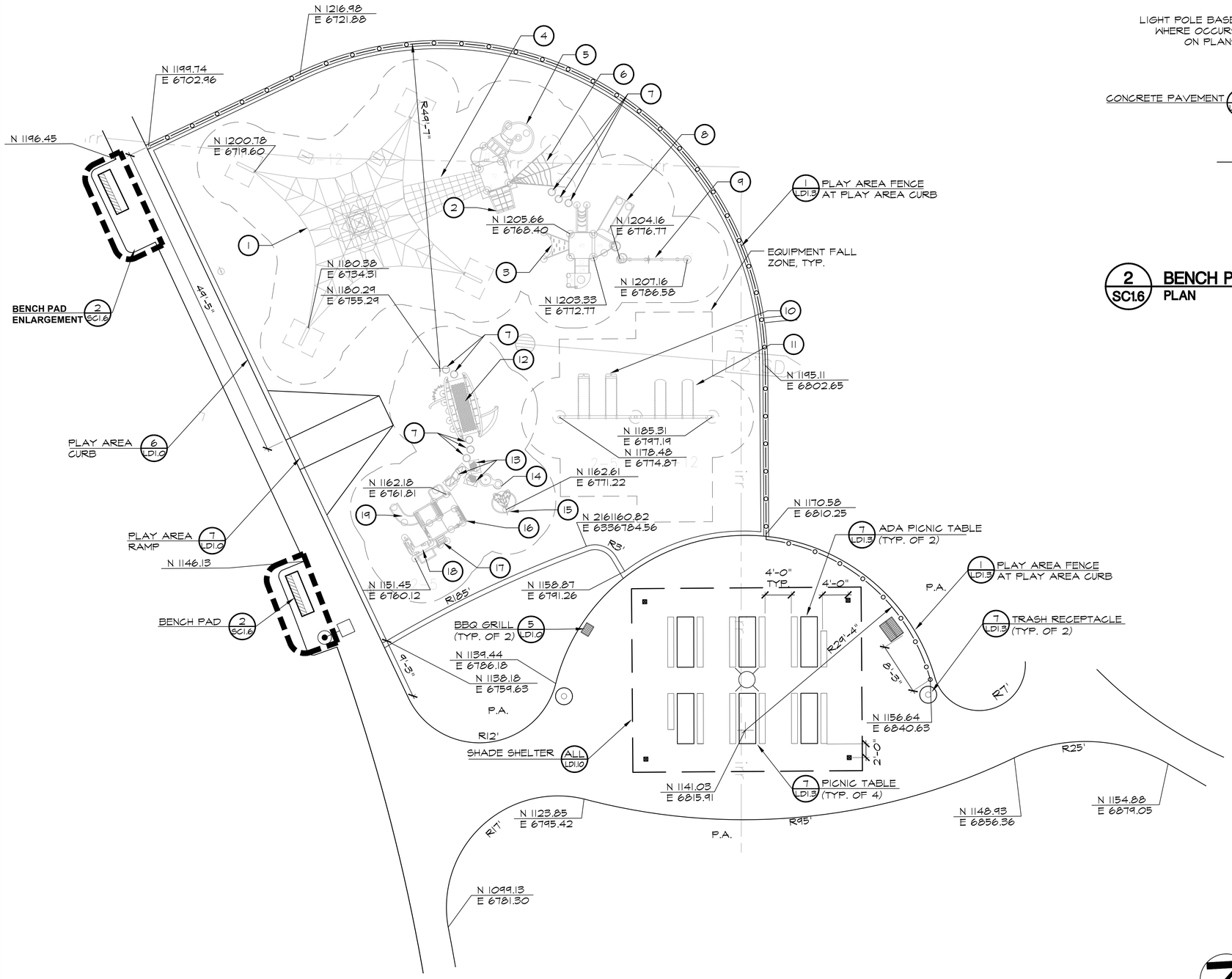
LICENSED LANDSCAPE ARCHITECT — BERNARD W. WOZNIAK, JR. — Signature — May 31, 2024 Renewal Date — Date — STATE OF CALIFORNIA

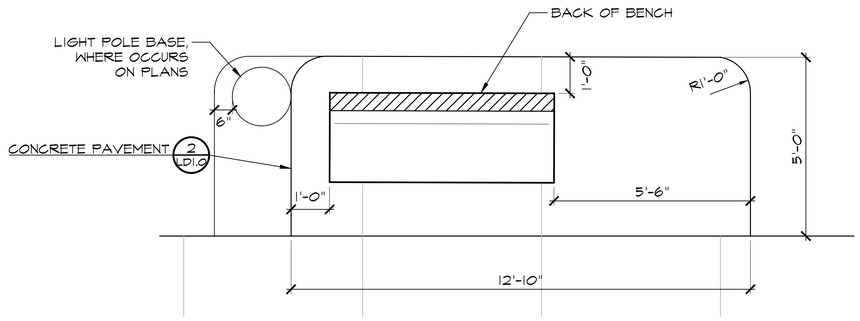
Revision No.	Description	Date	By	Aprvd. By
1	RESPONSE TO PERMIT CYCLE 1 COMMENTS	11/14/22		
2	RESPONSE TO PERMIT CYCLE 3 COMMENTS	03/03/23		
3	TXFR PLACEMENT	04/13/23		

SCALE	AS SHOWN	APPROVED BY:	7/24/23 DATE
DESIGNED BY	DCM		CITY ENGINEER
DRAWN BY	CM		STOCKTON, CALIFORNIA
CHECKED BY	BW		
RECORD DWGS.			

SHEET NO. SC1.5
41 OF 156 SHTS
WR21017 PROJECT NO.

5541.40C





2 SC1.6 BENCH PAD PLAN

0 1' 2' 4'

PLAY EQUIPMENT SCHEDULE

1. LUNAR BLAST
2. CREST CLIMBER
3. ROCK CLIMBER
4. SPACELINK CLIMBGER
5. WHOOSHWINDER SLIDE
6. STAR SEEKER CLIMBER
7. POD CLIMBERS
8. DOUBLE SLIDE
9. TIGHT ROPE
10. BUCKET SEAT SWINGS
11. BELT SEAT SWINGS
12. INDEPENDENT ARC CLIMBER W/ BELTING & SWIGGLY STIX
13. FACET STEPPERS
14. WOBBLE POD
15. WEE PLANET CLIMBER
16. PUZZLE PANEL
17. ARCH CLIMBER
18. ACTIVITY TABLE
19. CURVED SLIDE

NOTE: PLAY EQUIPMENT MEETS THE REQUIREMENTS OF CBC 11B-240 AND SECTION 240 OF THE 2010 ADAS

2-5

TOTAL ELEVATED PLAY COMPONENTS	9		
TOTAL ELEVATED COMPONENTS ACCESSIBLE BY RAMP	0	REQUIRED	0
TOTAL ELEVATED COMPONENTS ACCESSIBLE BY TRANSFER	9	REQUIRED	5
TOTAL ACCESSIBLE GROUND LEVEL COMPONENTS SHOWN	11	REQUIRED	3
TOTAL DIFFERENT TYPES OF GROUND LEVEL COMPONENTS	7	REQUIRED	7

5-12

TOTAL ELEVATED PLAY COMPONENTS	8		
TOTAL ELEVATED COMPONENTS ACCESSIBLE BY RAMP	0	REQUIRED	0
TOTAL ELEVATED COMPONENTS ACCESSIBLE BY TRANSFER	4	REQUIRED	4
TOTAL ACCESSIBLE GROUND LEVEL COMPONENTS SHOWN	5	REQUIRED	3
TOTAL DIFFERENT TYPES OF GROUND LEVEL COMPONENTS	3	REQUIRED	3

CALL BEFORE YOU DIG USA 800-642-2444

1 SC1.6 PLAY AREA ENLARGEMENT PLAN

0 4' 8' 16'

0 10' 20' 40'

SEE SHEET SC1.0 FOR SITE CONSTRUCTION NOTES

PERMIT REVIEW SET

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JANUARY 5, 2023 CALA PROJECT NO. 21013

MCKINLEY PARK RENOVATIONS PROJECT

ENLARGEMENT PLAN

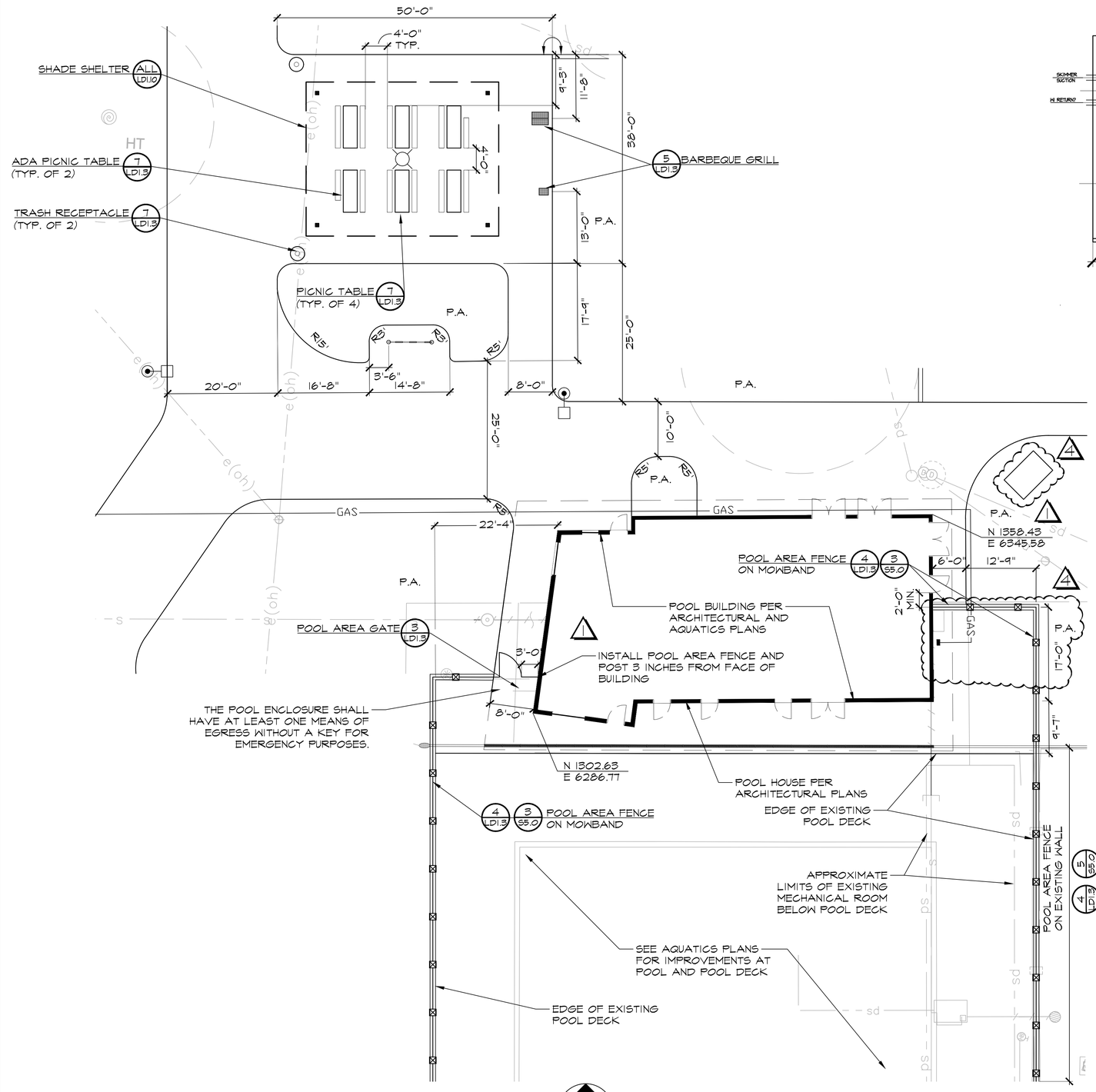
DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By

REGISTERED LANDSCAPE ARCHITECT BENJAMIN W. BOOKSTEIN No. 5010 Signature May 31, 2024 Renewal Date Date STATE OF CALIFORNIA

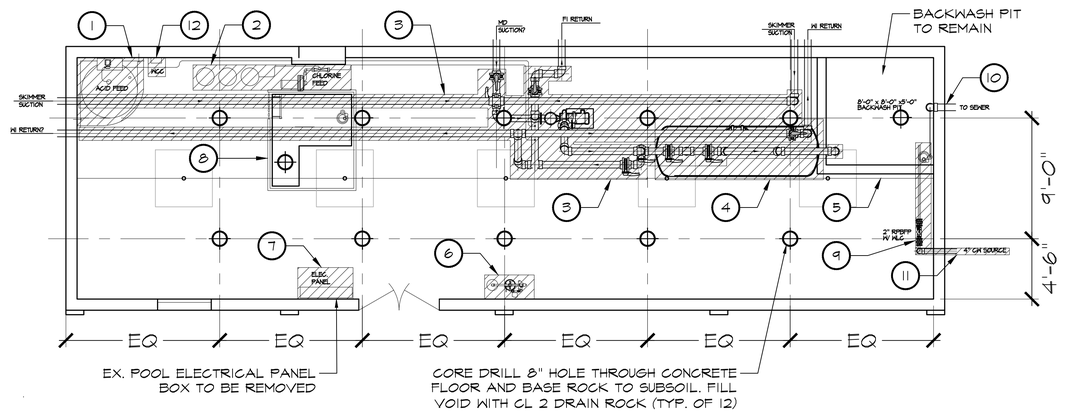
SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE	SHEET NO. SC1.6
DESIGNED BY	DCM		42 OF 156 SHTS
DRAWN BY	CM		
CHECKED BY	BW	CITY ENGINEER	WR21017 PROJECT NO.
RECORD DWGS.		STOCKTON, CALIFORNIA	

5541.41C



1 SC1.7 **POOL AND PICNIC AREA ENLARGEMENT**
PLAN

SEE SHEET SC1.0 FOR SITE CONSTRUCTION NOTES



KEY

DETAIL-FILE

1. ACID FEED AND STORAGE TANK AND PIPING TO BE REMOVED
2. CHLORINE FEED SYSTEM AND PUMP TO BE REMOVED
3. ALL EXISTING PIPING, VALVES, AND FITTINGS TO BE REMOVED
4. FILTER TANK TO BE REMOVED
5. BACKWASH PIT TO REMAIN
6. EYEWASH STATION TO BE REMOVED
7. ELECTRICAL PANEL ENCLOSURE TO BE REMOVED
8. SUMP TO REMAIN
9. REDUCED PRESSURE BACKFLOW PREVENTED TO BE REMOVED
10. SEE CIVIL PLANS FOR SEWER LINE DISPOSITION
11. SEE CIVIL PLANS FOR WATER LINE DISPOSITION
12. AUTOMATED CONTROL BOX AND WIRING TO BE REMOVED

NOTE: APPROXIMATELY 20 SQUARE FEET OF NONFRIABLE 8-INCH PIPE GASKETS TO BE REMOVED FROM THE MECHANICAL ROOM HAVE BEEN IDENTIFIED TO CONTAIN CHRYSOTILE ASBESTOS. PERSONNEL NOT TRAINED FOR ASBESTOS WORK SHALL DISTURB THESE GASKETS. THESE GASKETS (ACM) SHALL BE REMOVED, SEGREGATED, CHARACTERIZED AND DISPOSED BY PROPERLY TRAINED PERSONNEL IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS. CONTRACTOR SHALL REFER TO APPENDIX B OF THE SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

0 2' 4' 8'

1 SC1.7 **EXISTING MECHANICAL ROOM**
PLAN

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JANUARY 5, 2023 CALA PROJECT NO. 21013

MCKINLEY PARK RENOVATIONS PROJECT

POOL AND PICNIC AREA ENLARGEMENT

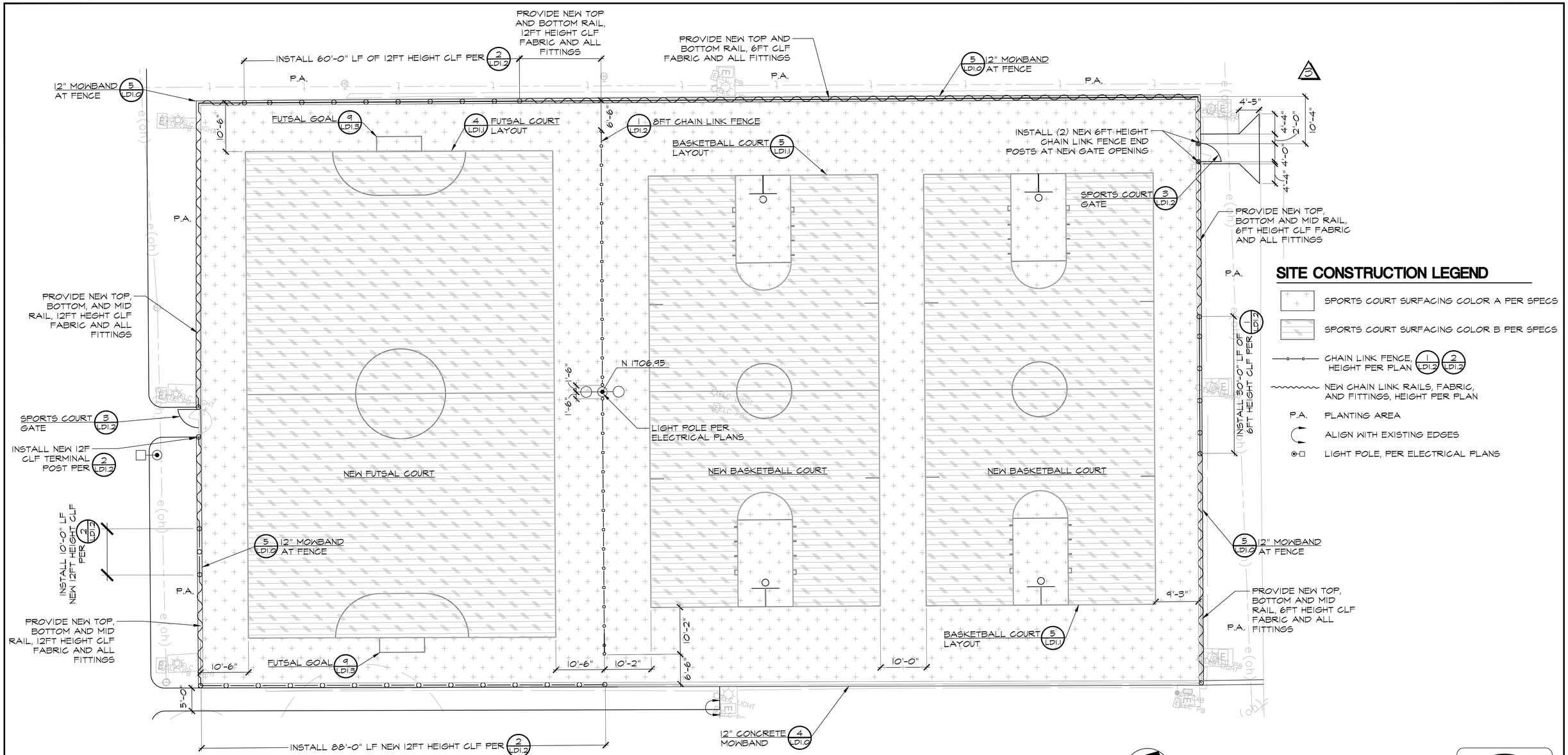
DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

PERMIT REVIEW SET

LICENSED LANDSCAPE ARCHITECT BENJAMIN W. WOODSIDE, NO. 6065 Signature May 31, 2024 Renewal Date Date STATE OF CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By
1	RESPONSE TO PERMIT CYCLE 1 COMMENTS	11/14/22		
2	TXFR PLACEMENT	04/13/23		

SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE	SHEET NO. SC1.7
DESIGNED BY	DCM		43 OF 156 SHTS
DRAWN BY	CM		
CHECKED BY	BW	CITY ENGINEER	WR21017 PROJECT NO.
RECORD DWGS.		STOCKTON, CALIFORNIA	5541.42C



SITE CONSTRUCTION LEGEND

- SPORTS COURT SURFACING COLOR A PER SPECS
- SPORTS COURT SURFACING COLOR B PER SPECS
- CHAIN LINK FENCE, HEIGHT PER PLAN 1 LD1.2 / 2 LD1.2
- NEW CHAIN LINK RAILS, FABRIC, AND FITTINGS, HEIGHT PER PLAN
- P.A. PLANTING AREA
- ALIGN WITH EXISTING EDGES
- LIGHT POLE, PER ELECTRICAL PLANS

1 / 4.8 SPORTS COURT ENLARGEMENT PLAN
PLAN

SEE SHEET SC1.0 FOR SITE CONSTRUCTION NOTES

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JANUARY 5, 2023 CALA PROJECT NO. 21013

MCKINLEY PARK RENOVATIONS PROJECT

SPORTS COURT ENLARGEMENT PLAN

PERMIT REVIEW SET

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

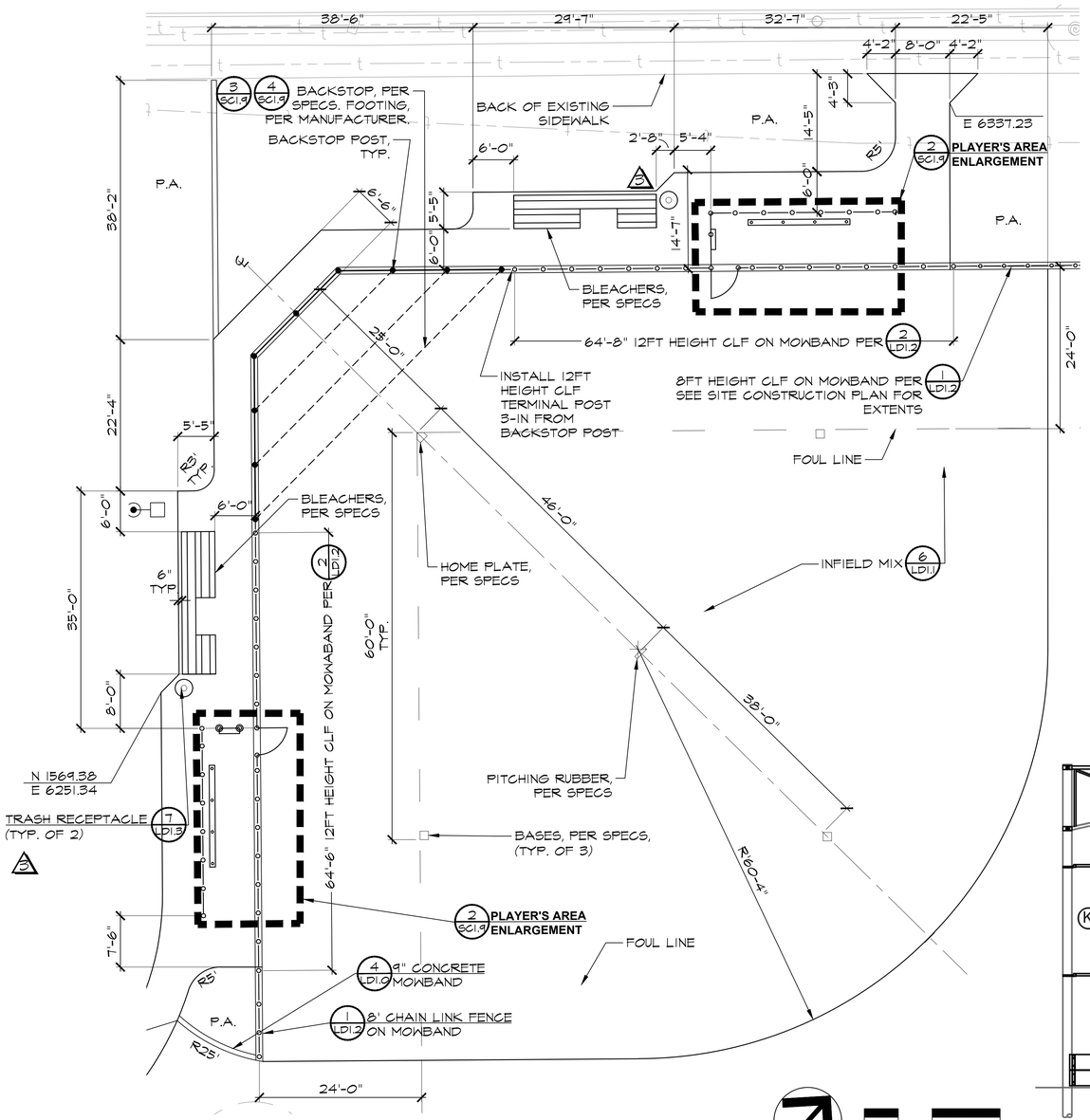
Revision No.	Description	Date	By	Aprvd. By
3	RESPONSE TO PERMIT CYCLE 3 COMMENTS	03/03/23		

SCALE	AS SHOWN
DESIGNED BY	DCM
DRAWN BY	CM
CHECKED BY	BW
RECORD DWGS.	

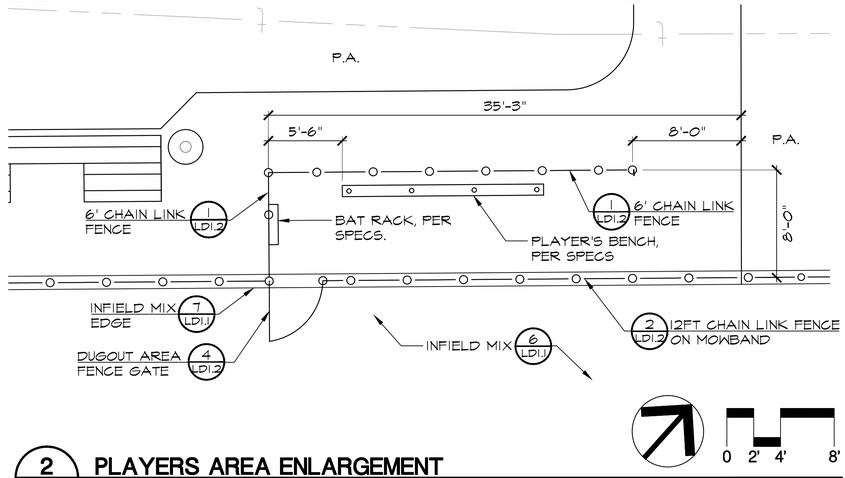
APPROVED BY: 7/24/23 DATE
CITY ENGINEER
STOCKTON, CALIFORNIA

SHEET NO. SC1.8
44 OF 156 SHTS
WR21017 PROJECT NO.

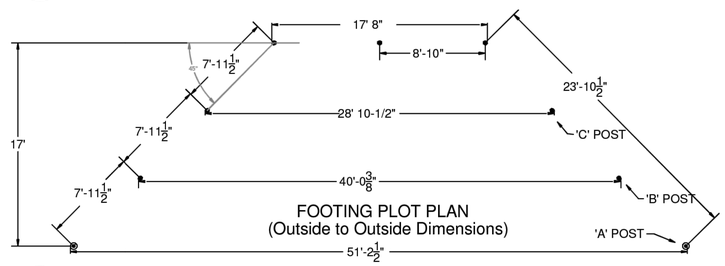
5541.43C



1 SC1.9 BALLFIELD ENLARGEMENT PLAN

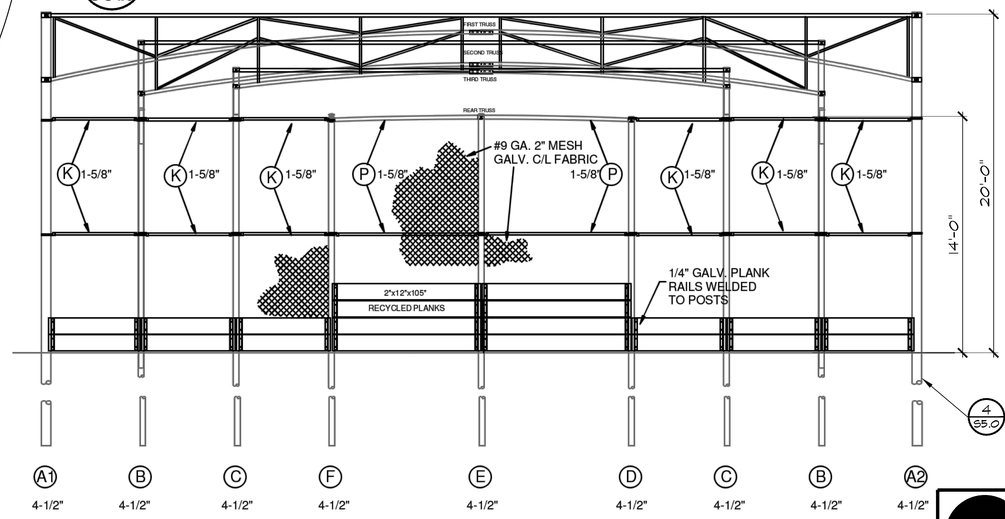


2 SC1.9 PLAYERS AREA ENLARGEMENT PLAN



3 SC1.9 BACKSTOP PLAN

N.T.S.



4 SC1.9 BACKSTOP ELEVATION

N.T.S.

SEE SHEET SC1.0 FOR SITE CONSTRUCTION NOTES

0 10' 20' 40'

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JANUARY 5, 2023 CALA PROJECT NO. 21013

PERMIT REVIEW SET

Revision No.	Description	Date	By	Aprvd. By
3	RESPONSE TO PERMIT CYCLE 3 COMMENTS	03/03/23		

REGISTERED LANDSCAPE ARCHITECT BENJAMIN W. WOOTHER, RLA Signature May 31, 2024 Renewal Date Date STATE OF CALIFORNIA

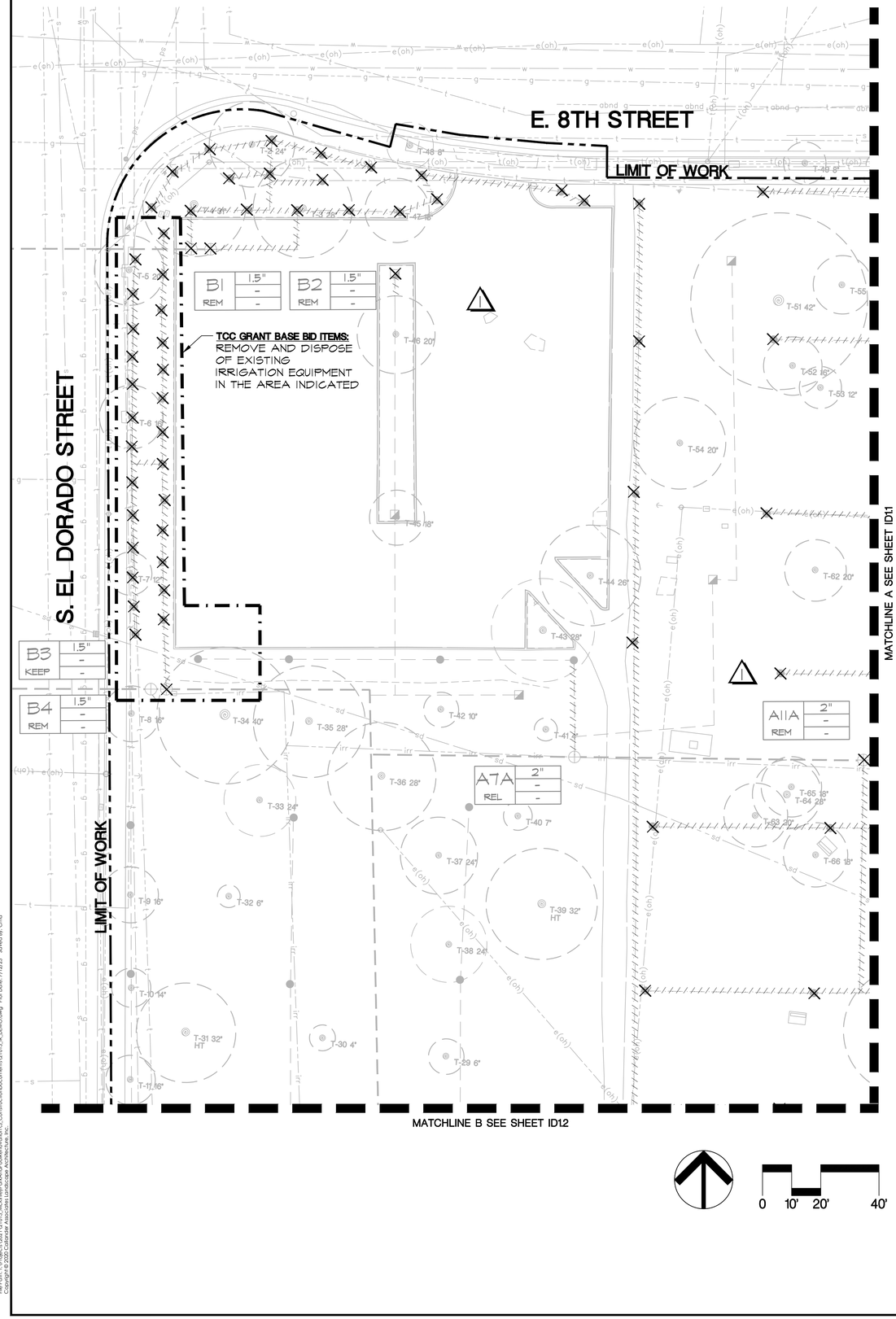
MCKINLEY PARK RENOVATIONS PROJECT

ENLARGEMENT PLAN

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE	SHEET NO. SC1.9
DESIGNED BY	DCM		45 OF 156 SHTS.
DRAWN BY	CM		
CHECKED BY	BW	CITY ENGINEER	WR21017 PROJECT NO.
RECORD DWGS.		STOCKTON, CALIFORNIA	

5541.44C



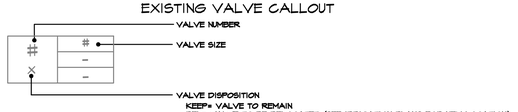
IRRIGATION DEMOLITION NOTES

1. SPECIFICATIONS: SEE IRRIGATION SPECIFICATIONS FOR ADDITIONAL INFORMATION.
2. UTILITIES: CONTRACTOR SHALL VERIFY LOCATION OF ALL ON-SITE UTILITIES. RESTORATION OF DAMAGED UTILITIES SHALL BE MADE AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.
3. MAINTAINING EXISTING IRRIGATION: SHOULD THE EXISTING MAINLINE BREAK OR BE SHUT OFF FOR ANY REASON DURING THE COURSE OF CONSTRUCTION THE CONTRACTOR SHALL HAND WATER ALL TREES, SHRUBS, TURF, AND GROUNDCOVER THAT THE EXISTING IRRIGATION SYSTEM WATERS. THE CONTRACTOR SHALL CONTINUE TO DO SO UNTIL THE IRRIGATION SYSTEM IS OPERABLE.
4. IRRIGATION WIRE AND VALVE LOCATION VERIFICATION: EXISTING EQUIPMENT IS SHOWN SCREENED BACK ON PLANS. THE INFORMATION SHOWN IS TAKEN FROM RECORD DRAWINGS AND MAY NOT REFLECT WHAT IS FOUND FOUND IN THE FIELD. BEFORE INITIATING DEMOLITION WORK, CONTRACTOR SHALL USE APPROPRIATE IRRIGATION TRACING EQUIPMENT TO LOCATE THE ROUTING OF ALL IRRIGATION WIRES AND VALVE LOCATIONS. THESE LOCATIONS SHALL BE ACCURATELY SHOWN ON A SCALED DRAWING PREPARED BY THE CONTRACTOR AND SUBMITTED TO THE LANDSCAPE ARCHITECT FOR REVIEW AND CITY VERIFICATION. VALVE LOCATIONS, WIRE ROUTING AND ANY WIRE BREAK LOCATIONS SHALL BE INDICATED BY STATION NUMBER. THE DESIGN AND ROUTING SHOWN ON THESE PLANS MAY BE MODIFIED TO REFLECT DOCUMENTED EXISTING CONDITIONS WITH THE APPROVAL OF THE CITY. NO TRENCHING SHALL COMMENCE UNTIL THE SYSTEM IS LOCATED AND VERIFIED.
5. HEAD LOCATIONS: EXISTING HEAD LOCATIONS ARE TAKEN FROM THE AS-BUILTS AND ARE SHOWN SCREENED BACK ON THE BASE. THESE LOCATIONS ARE NOT ACCURATE AND CONTRACTOR TO MAKE ADJUSTMENTS AS NECESSARY TO ACCOMMODATE THE ACTUAL AS-BUILT CONDITIONS IN THE FIELD. THE FUTURE PROJECT AREA SHALL HAVE HEAD TO HEAD COVERAGE AT THE COMPLETION OF THE JOB.
6. TRENCH REPAIR: CONTRACTOR TO REPLACE ALL TURF, ASPHALT, PAVEMENT OR OTHER SURFACES DAMAGED AS A RESULT OF TRENCHING. CONTRACTOR TO BE EXTREMELY CAUTIOUS TO AVOID TRENCHING THROUGH EXISTING CONTROL WIRES, LATERAL LINES AND MAINLINE. STAKE IN FIELD THE LOCATIONS PER NOTE 1 BEFORE TRENCHING. ALL DAMAGED LATERAL LINES, MAINLINES, CONTROL WIRES OR OTHER EXISTING IMPROVEMENTS SHALL BE REPAIRED TO THE SATISFACTION OF THE CITY AT NO ADDITIONAL COST.
7. BORING: CONTRACTOR TO BORE UNDER PAVEMENT AS NECESSARY.
8. IRRIGATION INTERRUPTION: SHOULD THE EXISTING MAINLINE BREAK OR BE SHUT OFF FOR ANY REASON DURING THE COURSE OF CONSTRUCTION THE CONTRACTOR SHALL HAND WATER ALL TREES, SHRUBS, TURF, AND GROUNDCOVER THAT THE EXISTING IRRIGATION SYSTEM WATERS. THE CONTRACTOR SHALL CONTINUE TO DO SO UNTIL THE IRRIGATION SYSTEM IS OPERABLE. ANY ITEMS (INCLUDING TREES, SHRUBS, TURF, AND IRRIGATION COMPONENTS) THAT DIE OR BECOME DAMAGE DUE TO CONSTRUCTION ACTIVITIES AND/OR LACK OF WATER WILL BE REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE CITY.
9. EXISTING IRRIGATION CONTROL WIRES: IRRIGATION CONTROL WIRES FOR REMOVED VALVES ARE INTENDED FOR RE-USE FOR CONNECTION OF CONTROLLERS TO NEW VALVES IN VICINITY OF REMOVED VALVES. CONTRACTOR SHALL PRESERVE WIRES IN PLACE. WIRES THAT ARE DAMAGED OR REMOVED AS PART OF CONSTRUCTION ACTIVITIES SHALL BE REPAIRED AND REPLACED IN KIND WITH PROPER SPLICES BY THE CONTRACTOR.
10. EXISTING TREES: CONTRACTOR SHALL TAKE EXTREME CARE WHEN TRENCHING UNDER EXISTING TREES. NO ROOTS OVER 2" SHALL BE CUT AND TRENCHING SHALL BE DONE BY HAND UNDER DRIPLINE OF EXISTING TREE.
11. EXISTING IRRIGATION EQUIPMENT: ALL REMOVED IRRIGATION HEADS, VALVES, AND QUICK COUPLERS DEEMED BY THE ENGINEER TO BE OPERATIONAL AND NOT DESIGNATED FOR RE-USE OR RELOCATION ON THESE PLANS SHALL BE TURNED OVER TO THE CITY.

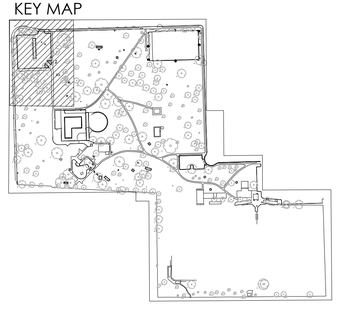
IRRIGATION DEMOLITION LEGEND

- EXISTING TURF HEAD: PROTECT IN PLACE
- EXISTING REMOTE CONTROL VALVE: PROTECT IN PLACE
- EXISTING QUICK COUPLER: PROTECT IN PLACE
- EXISTING GATE VALVE: PROTECT IN PLACE
- EXISTING IRRIGATION LATERAL LINE: PROTECT IN PLACE
- EXISTING IRRIGATION MAINLINE: PROTECT IN PLACE
- C — EXISTING IRRIGATION CONTROLLER: 32 STATION CALSENSE 3000. SEE IRRIGATION PLANS FOR MODIFICATIONS
- EXISTING IRRIGATION HEAD TO BE REMOVED AND TURNED OVER TO THE CITY
- EXISTING VALVE TO BE REMOVED
- EXISTING QUICK COUPLER TO BE REMOVED
- EXISTING LATERAL TO BE DISCONNECTED FROM SYSTEM AND ABANDONED IN PLACE OR REMOVED IF IN CONFLICT WITH NEW IMPROVEMENTS. CAP ALL ENDS OF PIPE NOT RECONNECTED TO NEW LINES
- EXISTING MAINLINE TO BE DISCONNECTED FROM SYSTEM AND ABANDONED IN PLACE OR REMOVED IF IN CONFLICT WITH NEW IMPROVEMENTS. CAP ALL ENDS OF PIPE NOT RECONNECTED TO NEW LINES

EXISTING VALVE CALLOUT



KEY MAP



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JANUARY 5, 2023 CALA PROJECT NO. 21013

MCKINLEY PARK RENOVATIONS PROJECT

IRRIGATION DEMOLITION

PERMIT REVIEW SET

LICENSED LANDSCAPE ARCHITECT BENJAMIN W. WOODHUSE, JR. Signature May 31, 2024 Renewal Date Date STATE OF CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By
1	RESPONSE TO PERMIT CYCLE 1 COMMENTS	11/14/22		

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE	SHEET NO. ID1.0
DESIGNED BY	DCM		46 OF 156 SHTS
DRAWN BY	CM		
CHECKED BY	BW	CITY ENGINEER	WR21017 PROJECT NO.
RECORD DWGS.		STOCKTON, CALIFORNIA	

5541.45C

E. 8TH STREET

LIMIT OF WORK

LIMIT OF WORK

S. SAN JOAQUIN STREET

LIMIT OF WORK

MATCHLINE A SEE SHEET ID1.0

MATCHLINE C SEE SHEET ID1.2

MATCHLINE E SEE SHEET ID1.2

MATCHLINE D SEE SHEET ID1.3

A6B	2"	
	REM	-
		-

A8A	2"	
	REM	-
		-

A9A	2"	
	REM	-
		-

A10A	2"	
	KEEP	-
		-

A12B	2"	
	KEEP	-
		-

B5	1.5"	
	REM	-
		-

B6	1.5"	
	REM	-
		-

A7B	2"	
	KEEP	-
		-

B7	1.5"	
	REM	-
		-

A1B	2"	
	KEEP	-
		-

A2B	2"	
	KEEP	-
		-

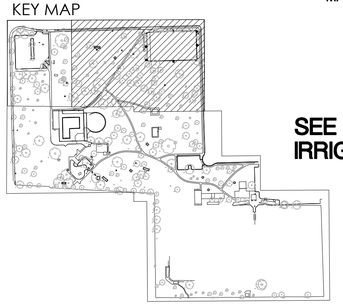
IRRIGATION DEMOLITION LEGEND

- EXISTING TURF HEAD: PROTECT IN PLACE
- EXISTING REMOTE CONTROL VALVE: PROTECT IN PLACE
- EXISTING QUICK COUPLER: PROTECT IN PLACE
- EXISTING GATE VALVE: PROTECT IN PLACE
- EXISTING IRRIGATION LATERAL LINE: PROTECT IN PLACE
- EXISTING IRRIGATION MAINLINE: PROTECT IN PLACE
- C — EXISTING IRRIGATION CONTROLLER: 32 STATION CALSENSE 3000. SEE IRRIGATION PLANS FOR MODIFICATIONS
- EXISTING IRRIGATION HEAD TO BE REMOVED AND TURNED OVER TO THE CITY
- EXISTING VALVE TO BE REMOVED
- EXISTING QUICK COUPLER TO BE REMOVED
- EXISTING LATERAL TO BE DISCONNECTED FROM SYSTEM AND ABANDONED IN PLACE OR REMOVED IF IN CONFLICT WITH NEW IMPROVEMENTS. CAP ALL ENDS OF PIPE NOT RECONNECTED TO NEW LINES.
- EXISTING MAINLINE TO BE DISCONNECTED FROM SYSTEM AND ABANDONED IN PLACE OR REMOVED IF IN CONFLICT WITH NEW IMPROVEMENTS. CAP ALL ENDS OF PIPE NOT RECONNECTED TO NEW LINES.

EXISTING VALVE CALLOUT

#	VALVE NUMBER
-	VALVE SIZE
-	VALVE DISPOSITION KEEP= VALVE TO REMAIN REL= VALVE TO BE RELOCATED (SEE IRRIGATION PLANS FOR NEW LOCATION) REM= VALVE TO BE REMOVED (REPLACE GAP WITH NEW MAINLINE)

KEY MAP



0 10' 20' 40'

SEE SHEET ID1.0 FOR IRRIGATION DEMOLITION NOTES

PERMIT REVIEW SET

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JANUARY 5, 2023 CALA PROJECT NO. 21013

MCKINLEY PARK RENOVATIONS PROJECT

IRRIGATION DEMOLITION

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

LICENSED LANDSCAPE ARCHITECT
RICHARD W. MOERING NO. 2604
Signature
May 31, 2024
Renewal Date
Date
STATE OF CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By
1	RESPONSE TO PERMIT CYCLE 1 COMMENTS	11/14/22		

SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE	SHEET NO. ID1.1
DESIGNED BY	DCM		
DRAWN BY	CM		47 OF 156 SHTS
CHECKED BY	BW	CITY ENGINEER	WR21017 PROJECT NO.
RECORD DWGS.		STOCKTON, CALIFORNIA	

5541.46C

MATCHLINE B SEE SHEET ID1.0

MATCHLINE C SEE SHEET ID1.1

MATCHLINE E SEE SHEET ID1.3

S. EL DORADO STREET

LIMIT OF WORK

EXISTING POOL HOUSE

A1A	2"	
KEEP	-	
A2A	2"	
KEEP	-	
A3A	2"	
REM	-	
A5A	2"	
KEEP	-	
A13A	2"	
KEEP	-	
B8	1.5"	
REM	-	
A4A	2"	
KEEP	-	
A6A	2"	
KEEP	-	
A14A	2"	
REM	-	
A10B	2"	
KEEP	-	
A11B	2"	
KEEP	-	

T-27 10" T-28 4" T-12 16" T-26 14" T-24 6" T-25 14" T-23 5" T-22 42" T-13 16" T-21 18" HT T-20 22" HT T-14 12" T-19 33" HT T-15 24" T-192 36" T-191 6" T-190 14" T-18 20" HT T-189 22" T-16 28" T-17 20" T-188 14" T-187 20" T-186 16" T-185 44" T-184 26" T-183 36" T-182 18" T-181 44" T-180 18" T-179 20" T-178 40" T-177 48" T-176 42" T-175 18" T-174 24" T-173 32" T-172 20" T-171 14" T-170 14" T-169 14" T-168 18" T-166 T-145 26" T-143 32" T-142 24" T-147 32" HT T-146 24" T-148 24" T-153 18" T-154 T-149 24" T-155 24" T-152 30" T-151 30" T-150 24"

LIMIT OF WORK

PERMIT REVIEW SET

IRRIGATION DEMOLITION LEGEND

- EXISTING TURF HEAD: PROTECT IN PLACE
- EXISTING REMOTE CONTROL VALVE: PROTECT IN PLACE
- EXISTING QUICK COUPLER: PROTECT IN PLACE
- EXISTING GATE VALVE: PROTECT IN PLACE
- EXISTING IRRIGATION LATERAL LINE: PROTECT IN PLACE
- EXISTING IRRIGATION MAINLINE: PROTECT IN PLACE
- C — EXISTING IRRIGATION CONTROLLER: 32 STATION CALSENSE 3000. SEE IRRIGATION PLANS FOR MODIFICATIONS
- EXISTING IRRIGATION HEAD TO BE REMOVED AND TURNED OVER TO THE CITY
- EXISTING VALVE TO BE REMOVED
- 1 — EXISTING QUICK COUPLER TO BE REMOVED
- EXISTING LATERAL TO BE DISCONNECTED FROM SYSTEM AND ABANDONED IN PLACE OR REMOVED IF IN CONFLICT WITH NEW IMPROVEMENTS. CAP ALL ENDS OF PIPE NOT RECONNECTED TO NEW LINES
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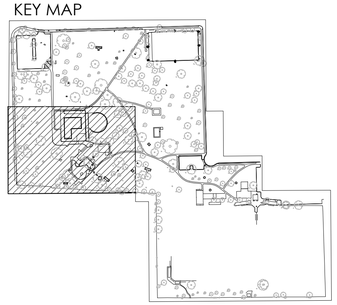
KEY MAP



CALL BEFORE YOU DIG USA 800-642-2444

SEE SHEET ID1.0 FOR IRRIGATION DEMOLITION NOTES

0 10' 20' 40'

LICENSED LANDSCAPE ARCHITECT BENJAMIN W. WOODRUM, JR. Signature May 31, 2024 Renewal Date Date STATE OF CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By
1	RESPONSE TO PERMIT CYCLE 1 COMMENTS	11/14/22		

CALA
12150 Tributary Point Drive, Suite 140
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JANUARY 5, 2023 CALA PROJECT NO. 21013

MCKINLEY PARK RENOVATIONS PROJECT

IRRIGATION DEMOLITION

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE	SHEET NO. ID1.2
DESIGNED BY	DCM		48 OF 156 SHTS
DRAWN BY	CM		
CHECKED BY	BW	CITY ENGINEER	WR21017 PROJECT NO.
RECORD DWGS.		STOCKTON, CALIFORNIA	

5541.47C

MATCHLINE D SEE SHEET ID1.1

MATCHLINE E SEE SHEET ID1.2

S. SAN JOAQUIN STREET

LIMIT OF WORK

E. 9TH STREET

MATCHLINE H SEE SHEET ID1.5

MATCHLINE I SEE SHEET ID1.5

MATCHLINE F SEE SHEET ID1.4

A3B 2" - KEEP -

A4B 2" - KEEP -

A5B 2" - KEEP -

A9B 2" - KEEP -

A13B 2" - REM -

A8B 2" - REM -

A14B 2" - KEEP -

A22A 2" - KEEP -

A22B 2" - KEEP -

A24A 2" - REM -

A23A 2" - REM -

A24B 2" - KEEP -

T-141 20" T-124 10" T-121 10" T-122 12" T-123 5" T-140 12" T-125 18" T-126 28" HT T-128 4" T-139 36" T-127 28" T-135 18" T-133 10" T-129 18" T-136 24" T-131 26" T-134 64" T-130 20" T-138 18" T-132 12" T-137 30" HT T-156 24" T-158 26" T-157 20" HT T-202 42" T-203 20" HT T-204 42" T-209 26" T-211 12" T-212 12" T-213 10" T-214 14" T-215 7" T-216 18" T-217 10" T-218 12" T-160 24" T-159 22" T-161 24" T-206 12" T-205 T-207 10" T-208 16" HT T-210 T-219 18" T-220 20" T-162 24" T-164 20" T-163 26" T-256 T-255 22"

0 10' 20' 40'

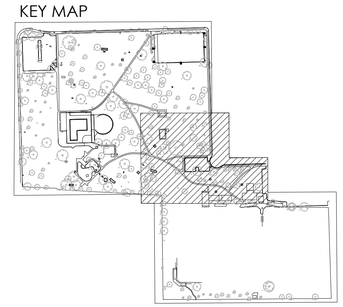
IRRIGATION DEMOLITION LEGEND

- EXISTING TURF HEAD: PROTECT IN PLACE
- EXISTING REMOTE CONTROL VALVE: PROTECT IN PLACE
- EXISTING QUICK COUPLER: PROTECT IN PLACE
- EXISTING GATE VALVE: PROTECT IN PLACE
- EXISTING IRRIGATION LATERAL LINE: PROTECT IN PLACE
- EXISTING IRRIGATION MAINLINE: PROTECT IN PLACE
- C — EXISTING IRRIGATION CONTROLLER: 32 STATION CALSENSE 3000. SEE IRRIGATION PLANS FOR MODIFICATIONS
- EXISTING IRRIGATION HEAD TO BE REMOVED AND TURNED OVER TO THE CITY
- EXISTING VALVE TO BE REMOVED
- EXISTING QUICK COUPLER TO BE REMOVED
- EXISTING LATERAL TO BE DISCONNECTED FROM SYSTEM AND ABANDONED IN PLACE OR REMOVED IF IN CONFLICT WITH NEW IMPROVEMENTS. CAP ALL ENDS OF PIPE NOT RECONNECTED TO NEW LINES
- EXISTING MAINLINE TO BE DISCONNECTED FROM SYSTEM AND ABANDONED IN PLACE OR REMOVED IF IN CONFLICT WITH NEW IMPROVEMENTS. CAP ALL ENDS OF PIPE NOT RECONNECTED TO NEW LINES

EXISTING VALVE CALLOUT

- VALVE NUMBER
- VALVE SIZE
- VALVE DISPOSITION
  - KEEP= VALVE TO REMAIN
  - REL= VALVE TO BE RELOCATED (SEE IRRIGATION PLANS FOR NEW LOCATION)
  - REM= VALVE TO BE REMOVED (REPLACE GAP WITH NEW MAINLINE)

KEY MAP



CALL BEFORE YOU DIG USA 800-642-2444

SEE SHEET ID1.0 FOR IRRIGATION DEMOLITION NOTES

PERMIT REVIEW SET

LICENSED LANDSCAPE ARCHITECT BENJAMIN W. WILKINSON, JR. No. 6064 Signature May 31, 2024 Renewal Date Date STATE OF CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By
1	RESPONSE TO PERMIT CYCLE 1 COMMENTS	11/14/22		

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JANUARY 5, 2023 CALA PROJECT NO. 21013

MCKINLEY PARK RENOVATIONS PROJECT

IRRIGATION DEMOLITION

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE	SHEET NO. ID1.3
DESIGNED BY	DCM	CITY ENGINEER	49 OF 156 SHTS
DRAWN BY	CM	STOCKTON, CALIFORNIA	WR21017 PROJECT NO.
CHECKED BY	BW		
RECORD DWGS.			

5541.48C

MATCHLINE F SEE SHEET ID1.3

MATCHLINE I SEE SHEET ID1.5

MATCHLINE J SEE SHEET ID1.5

MATCHLINE M SEE SHEET ID1.5

LIMIT OF WORK

LIMIT OF WORK

T-254 18"
T-253 30"
T-252 30"
T-251 30"
T-222 24"
T-223 20"
T-249 12"
T-250 36"
T-245 22"
T-248 6"
T-247 16"
T-246 10"
T-244 5"
T-243 5"
T-242 6"
T-241 10"
T-240 10"
T-239 10"
T-238 8"
T-237 8"
T-236 8"
T-235 24"

A16A	2"	
KEEP	–	

A21A	2"	
KEEP	–	

A19A	2"	
REM	–	

A20A	2"	
REM	–	

A15A	2"	
KEEP	–	

A17B	2"	
KEEP	–	

A19B	2"	
REM	–	

A22B	2"	
KEEP	–	

A18B	2"	
REM	–	

A18A	2"	
REM	–	

A20C	2"	
REM	–	

A20B	2"	
REM	–	

A21B	2"	
KEEP	–	

IRRIGATION DEMOLITION LEGEND

- EXISTING TURF HEAD: PROTECT IN PLACE
- EXISTING REMOTE CONTROL VALVE: PROTECT IN PLACE
- EXISTING QUICK COUPLER: PROTECT IN PLACE
- EXISTING GATE VALVE: PROTECT IN PLACE
- EXISTING IRRIGATION LATERAL LINE: PROTECT IN PLACE
- EXISTING IRRIGATION MAINLINE: PROTECT IN PLACE
- C — EXISTING IRRIGATION CONTROLLER: 32 STATION CALSENSE 3000. SEE IRRIGATION PLANS FOR MODIFICATIONS
- EXISTING IRRIGATION HEAD TO BE REMOVED AND TURNED OVER TO THE CITY
- EXISTING VALVE TO BE REMOVED
- EXISTING QUICK COUPLER TO BE REMOVED
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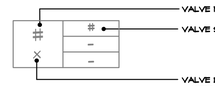
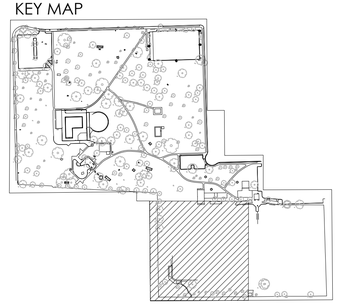
- EXISTING MAINLINE TO BE DISCONNECTED FROM SYSTEM AND ABANDONED IN PLACE OR REMOVED IF IN CONFLICT WITH NEW IMPROVEMENTS. CAP ALL ENDS OF PIPE NOT RECONNECTED TO NEW LINES

EXISTING VALVE CALLOUT



KEY MAP



0 10' 20' 40'

PERMIT REVIEW SET

SEE SHEET ID1.0 FOR IRRIGATION DEMOLITION NOTES

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JANUARY 5, 2023 CALA PROJECT NO. 21013

MCKINLEY PARK RENOVATIONS PROJECT

IRRIGATION DEMOLITION

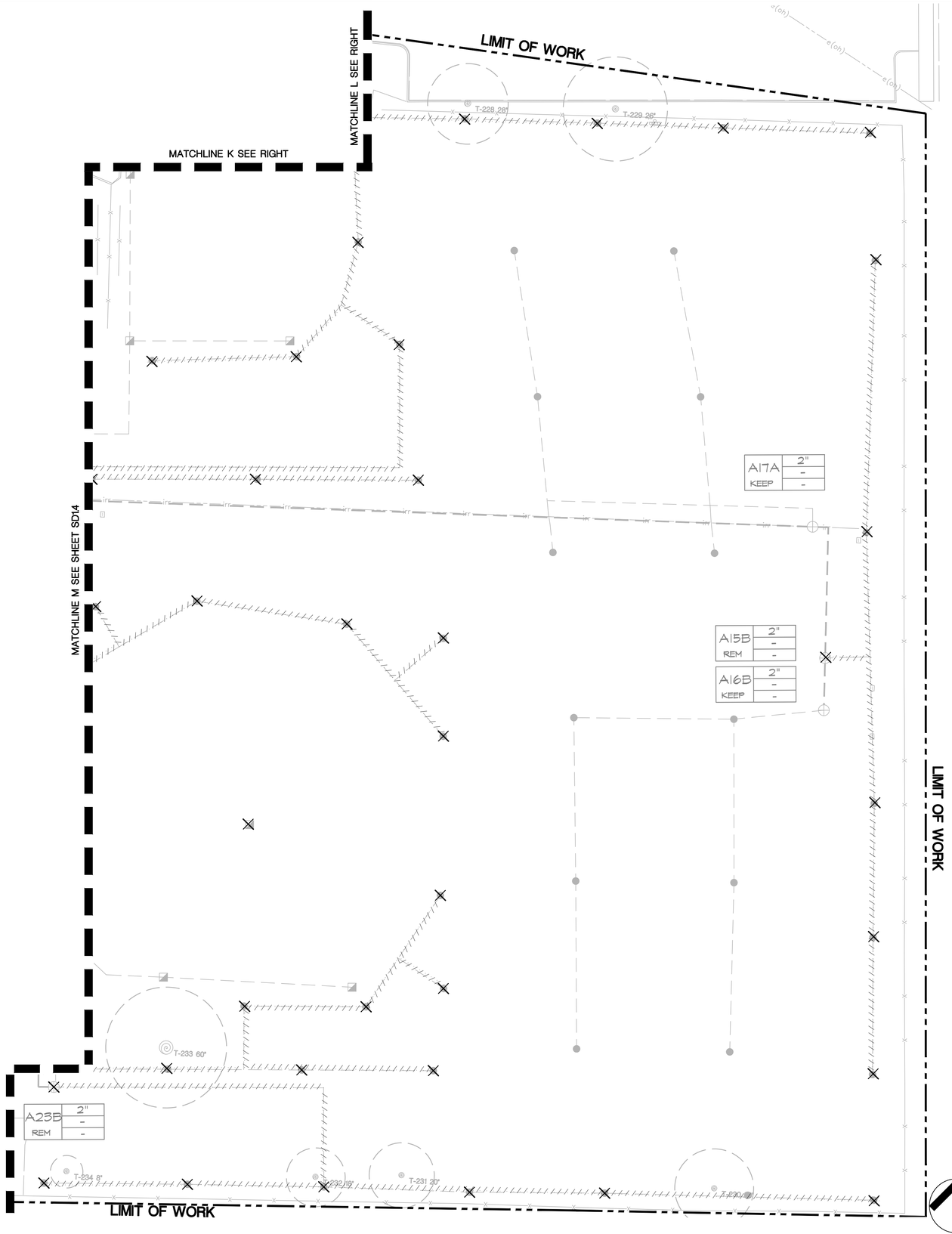
DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

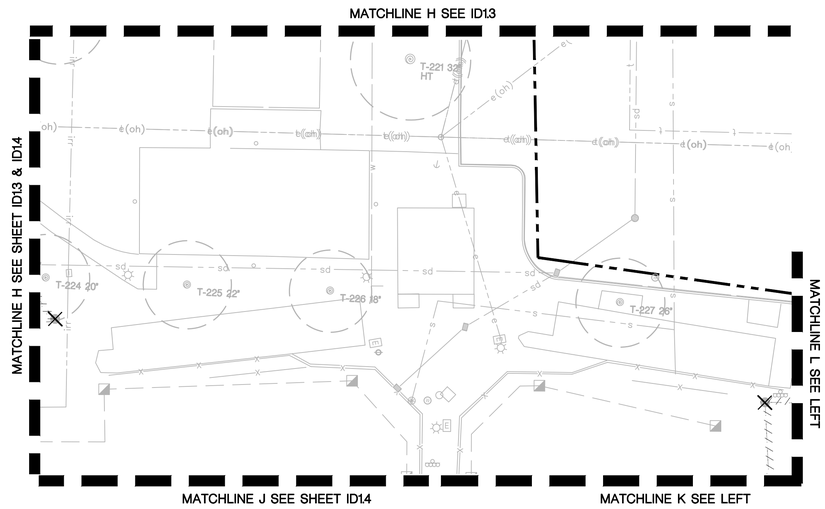
LICENSED LANDSCAPE ARCHITECT RICHARD W. WATERS No. 5010 — Signature — May 31, 2024 Renewal Date — Date — STATE OF CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By
1	RESPONSE TO PERMIT CYCLE 1 COMMENTS	11/14/22		

SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE	SHEET NO. ID1.4
DESIGNED BY	DCM		50 OF 156 SHTS
DRAWN BY	CM		
CHECKED BY	BW	CITY ENGINEER	WR21017 PROJECT NO.
RECORD DWGS.		STOCKTON, CALIFORNIA	

5541.49C





IRRIGATION DEMOLITION LEGEND

- EXISTING TURF HEAD: PROTECT IN PLACE
- EXISTING REMOTE CONTROL VALVE: PROTECT IN PLACE
- EXISTING QUICK COUPLER: PROTECT IN PLACE
- EXISTING GATE VALVE: PROTECT IN PLACE
- EXISTING IRRIGATION LATERAL LINE: PROTECT IN PLACE
- EXISTING IRRIGATION MAINLINE: PROTECT IN PLACE
- C — EXISTING IRRIGATION CONTROLLER: 32 STATION CALSENSE 3000. SEE IRRIGATION PLANS FOR MODIFICATIONS
- EXISTING IRRIGATION HEAD TO BE REMOVED
- 1 — EXISTING VALVE TO BE REMOVED
- EXISTING QUICK COUPLER TO BE REMOVED
- EXISTING LATERAL TO BE DISCONNECTED FROM SYSTEM AND ABANDONED IN PLACE OR REMOVED IF IN CONFLICT WITH NEW IMPROVEMENTS. CAP ALL ENDS OF PIPE NOT RECONNECTED TO NEW LINES
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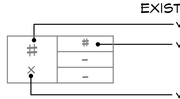
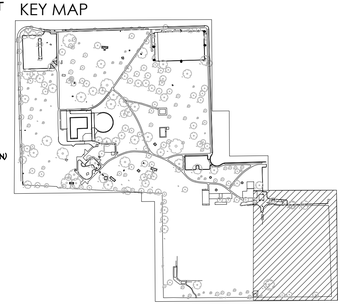
EXISTING VALVE CALLOUT



VALVE NUMBER
VALVE SIZE
VALVE DISPOSITION
KEEP= VALVE TO REMAIN
REL= VALVE TO BE RELOCATED (SEE IRRIGATION PLANS FOR NEW LOCATION)
REM= VALVE TO BE REMOVED (REPLACE GAP WITH NEW MAINLINE)

KEY MAP



SEE SHEET ID1.0 FOR IRRIGATION DEMOLITION NOTES

0 10' 20' 40'

PERMIT REVIEW SET

LICENSED LANDSCAPE ARCHITECT — BENJAMIN W. WOODSIDE, NO. — Signature — May 31, 2024 Renewal Date — Date — STATE OF CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By
1	RESPONSE TO PERMIT CYCLE 1 COMMENTS	11/14/22		

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JANUARY 5, 2023 CALA PROJECT NO. 21013

MCKINLEY PARK RENOVATIONS PROJECT

IRRIGATION DEMOLITION

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE	SHEET NO. ID1.5
DESIGNED BY	DCM	CITY ENGINEER	51 OF 156 SHTS
DRAWN BY	CM		WR21017
CHECKED BY	BW	STOCKTON, CALIFORNIA	PROJECT NO.
RECORD DWGS.			

5541.50C

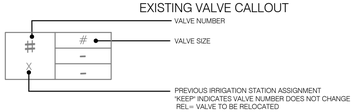
IRRIGATION LEGEND

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	PSI
LST SST RST	SHRUB ROTARY STRIP: RAIN BIRD R-VAN-STRIP 1812-SAM-P45 5'X15' (LCS AND RCS), 5'X30' (SST) HAND ADJUSTABLE MULTI-STREAM ROTARY W/ 1800 SHRUB SPRAY BODY ON 12" POP-UP, WITH CHECK VALVE AND 45 PSI IN-STEM PRESSURE REGULATOR. 1/2" NPT FEMALE THREADED INLET.	30
14 ADJ 14 F	SHRUB ROTARY: RAIN BIRD R-VAN14 1812-SAM-P45 8'-14', HAND ADJUSTABLE MULTI-STREAM ROTARY W/1800 SHRUB SPRAY BODY ON 12" POP-UP, WITH CHECK VALVE AND 45 PSI IN-STEM PRESSURE REGULATOR. 1/2" NPT FEMALE THREADED INLET.	30
18 ADJ 18 F	SHRUB ROTARY: RAIN BIRD R-VAN18 1812-SAM-P45 13'-18', HAND ADJUSTABLE MULTI-STREAM ROTARY W/1800 SHRUB SPRAY BODY ON 12" POP-UP, WITH CHECK VALVE AND 45 PSI IN-STEM PRESSURE REGULATOR. 1/2" NPT FEMALE THREADED INLET.	30
24 ADJ 24 F	SHRUB ROTARY: RAIN BIRD R-VAN24 1812-SAM-P45 17'-24', HAND ADJUSTABLE MULTI-STREAM ROTARY W/1800 SHRUB SPRAY BODY ON 12" POP-UP, WITH CHECK VALVE AND 45 PSI IN-STEM PRESSURE REGULATOR. 1/2" NPT FEMALE THREADED INLET.	30
	TREE BUBBLER: RAIN BIRD RWS-B-C 1401 36" LONG RWS WITH INSTALLED 0.25 GPM BUBBLER. EACH SYMBOL REPRESENTS (2) BUBBLERS. (6 LDI.5)	

TCC GRANT BASE BID ITEM
ALL TREE BUBBLERS AND LATERALS AND VALVES ASSOCIATED WITH NEW TREE BUBBLER STATIONS

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	PSI	RADIUS
	EXISTING TURF ROTOR		
12 20	TURF ROTOR: RAIN BIRD 8005-SS 5" POP-UP, STAINLESS STEEL RISER, STANDARD NOZZLE. WITH SEAL-A-MATIC CHECK VALVE, ADJUSTABLE 50-330 ARC, AND 360 NON-REVERSING FULL-CIRCLE. 1" (26/34) NPT FEMALE THREADED INLET. EXTENDED RADIUS IS IDEAL FOR LARGE TURF APPLICATIONS. (5 LDI.5)	60	39' - 73'

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	EXISTING REMOTE CONTROL VALVE: PROTECT IN PLACE
	EXISTING VALVE TO BE RELOCATED
	REMOTE CONTROL VALVE: GRISWOLD 2030 CAST IRON VALVE. SIZE PER PLAN. (3 LDI.5)
	QUICK COUPLING VALVE: RAIN BIRD 44-LRC (4 LDI.5) (7 LDI.5)
	EXISTING HEAD TO REMAIN: PROTECT IN PLACE
	EXISTING HEAD TO BE RELOCATED AS SHOWN. ADJUST AS NECESSARY TO PROVIDE/ MAINTAIN HEAD TO HEAD COVERAGE
	EXISTING GATE VALVE: PROTECT IN PLACE
	GATE VALVE: NIBCO T-113-K. SIZE PER PLAN. (2 LDI.5)
A	IRRIGATION CONTROLLER A: UPGRADE EXISTING 32 STATION CALSENSE 3000 CONTROLLER A WITH (2) CS3-8STA-KIT, BRINGING TOTAL STATION COUNT TO 48 ADD. (1) HARDWIRE COMMUNICATION CARD AND TERMINAL BOARD, CS3-M-KIT, TO FACILITATE COMMUNICATION WITH IRRIGATION CONTROLLER B. DOUBLED UP STATIONS ON CONTROLLER A WILL BE MOVED TO NEW STATION OUTPUTS ON CONTROLLER A OR MOVED TO AVAILABLE STATIONS ON CONTROLLER B AS NOTED ON PLANS.ADD (1) CS3000 FLOWSENSE OPTION, CS3-FL, TO ALLOW SHARING OF CLOUD COMMUNICATION, PROGRAMMING, FLOW, AND WEATHER DATA WITH CONTROLLER B.
B	IRRIGATION CONTROLLER B: CALSENSE CS3-48-WM/CS3-M-KIT/CS3-FL/TP-110 48-STATION BASE MODEL CS3000 WITH WALL-MOUNT ENCLOSURE, WITH (1) HARDWIRE COMMUNICATION CARD AND TERMINAL BOARD, CS3-M-KIT, TO FACILITATE COMMUNICATION WITH IRRIGATION CONTROLLER A, AND (1) CS3000 FLOWSENSE OPTION, CS3-FL, TO ALLOW SHARING OF CLOUD COMMUNICATION, PROGRAMMING, FLOW AND WEATHER DATA WITH CONTROLLER A.
	NEW BACKFLOW (PER CIVIL PLANS)
BP	EXISTING BOOSTER PUMP
MV	EXISTING MASTER VALVE
FS	FLOW SENSOR: FLOMEC QS200-40 (8 LDI.5)
	EXISTING IRRIGATION LATERAL LINE: PROTECT IN PLACE
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21 (4 LDI.4)
	EXISTING IRRIGATION MAINLINE: PROTECT IN PLACE
	IRRIGATION MAINLINE: 2" AND LARGER SHALL BE PVC CLASS 315 BELL AND GASKET, FOR ALL MAINLINE SMALLER THAN 2" USE SCH 40 PVC (4 LDI.4)
	PIPE SLEEVE: SCHEDULE 40 (4 LDI.4)
	NEW CONTROL WIRE/COMMUNICATION CABLE, PER SPECS
	EXISTING VALVE CALLOUT



IRRIGATION NOTES

1. **SPECIFICATIONS:** SEE IRRIGATION SPECIFICATIONS FOR ADDITIONAL INFORMATION.
2. **VERIFICATION:** SYSTEM DESIGN IS BASED ON 60 P.S.I. AND 208 G.P.M. AVAILABLE AT DISCHARGE OUTLET OF EXISTING BOOSTER PUMP. CONTRACTOR SHALL VERIFY SAME AND NOTIFY LANDSCAPE ARCHITECT IF SUCH DATA ADVERSELY AFFECTS THE OPERATION OF THE SYSTEM. SUCH NOTICE SHALL BE MADE IN WRITING AND PRIOR TO COMMENCING ANY IRRIGATION WORK.
3. **UTILITIES:** CONTRACTOR SHALL VERIFY LOCATION OF ALL ON-SITE UTILITIES. RESTORATION OF DAMAGED UTILITIES SHALL BE MADE AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.
4. **SCHEMATIC:** SYSTEM FEATURES ARE SHOWN SCHEMATICALLY FOR GRAPHIC CLARITY. INSTALL ALL PIPING AND VALVES IN COMMON TRENCHES WHERE FEASIBLE AND INSIDE PLANTING AREAS WHENEVER POSSIBLE. ALL VALVES SHALL BE LOCATED IN GROUNDCOVER OR SHRUB AREAS WHENEVER POSSIBLE.
5. **CODES:** IRRIGATION SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH ALL LOCAL CODES AND MANUFACTURER'S SPECIFICATIONS. NOTIFY LANDSCAPE ARCHITECT BY TELEPHONE AND IN WRITING OF ANY CONFLICTS PRIOR TO INSTALLATION.
6. **SLEEVING:** CONTRACTOR SHALL SIZE ALL SLEEVES TO BE A MINIMUM TWO TIMES THE SIZE OF THE INTERIOR PIPE. SLEEVES SHALL BE INSTALLED AT THE NECESSARY DEPTHS PRIOR TO PAVEMENT CONSTRUCTION. SLEEVING SHALL EXTEND 1'-0" FROM EDGE OF PAVEMENT INTO LAWN OR PLANTING AREA, AND SHALL HAVE ENDS CLEARLY MARKED ABOVE GRADE.
7. **QUICK COUPLING VALVES:** INSTALL ON TRIPLE SWING JOINT. LOCATE 12" AWAY FROM EDGE OF WALKS, WALLS, CURBS, AND HEADERBOARDS WITHIN PLANTING AREAS. PROVIDE OWNER WITH ONE OPERATING KEY, TWO SETS OF LOCKING COVER KEYS, AND ONE SWIVEL HOSE ELL.
8. **HEAD ALLOWANCE:** CONTRACTOR SHALL ALLOW IN BID PRICE AN AMOUNT SUFFICIENT TO PROVIDE AND INSTALL AN ADDITIONAL **5%** SPRINKLER HEADS OF EACH TYPE SPECIFIED ON PLAN TO ACCOMMODATE FIELD CHANGES. THESE HEADS SHALL BE LOCATED AS DIRECTED BY THE LANDSCAPE ARCHITECT. CONTRACTOR SHALL DELIVER TO THE OWNER ANY UN-USED ADDITIONAL HEADS AND DRIPLINE AT THE END OF THE MAINTENANCE PERIOD.
9. **CONTROLLER:** ALL ABOVE-GRADE CONDUIT EITHER 24V. OR 110V. SHALL BE RIGID STEEL AND SECURELY FASTENED TO STRUCTURE AND TO CONTROLLER.
10. **MAINTAINING EXISTING IRRIGATION:** SHOULD THE EXISTING MAINLINE BREAK OR BE SHUT OFF FOR ANY REASON DURING THE COURSE OF CONSTRUCTION THE CONTRACTOR SHALL HAND WATER ALL TREES, SHRUBS, TURF, AND GROUNDCOVER THAT THE EXISTING IRRIGATION SYSTEM WATERS. THE CONTRACTOR SHALL CONTINUE TO DO SO UNTIL THE IRRIGATION SYSTEM IS OPERABLE.
11. **TRENCH REPAIR:** CONTRACTOR TO REPLACE ALL TURF, ASPHALT, PAVEMENT OR OTHER SURFACES DAMAGED AS A RESULT OF TRENCHING. CONTRACTOR TO BE EXTREMELY CAUTIOUS TO AVOID TRENCHING THROUGH EXISTING CONTROL WIRES, LATERAL LINES, AND MAINLINE. STAKE IN FIELD THE LOCATIONS PER NOTE 1 BEFORE TRENCHING. ALL DAMAGED LATERAL LINES, MAINLINES, AND CONTROL WIRES OR OTHER EXISTING IMPROVEMENTS SHALL BE REPAIRED TO THE SATISFACTION OF THE CITY AT NO ADDITIONAL COST.
12. **NEW VALVES:** CONNECT NEW VALVES TO CONTROLLER WITH CONTROL WIRE PER SPECIFICATIONS. UTILIZE EXISTING WIRE RUNS FOR ALL NEW VALVES CONNECTED TO CONTROLLER 'A' AND VALVES B5 THROUGH B8. RUN NEW CONTROL WIRE TO CONTROLLER B FOR VALVES B9 THROUGH B34. USE COMMON TRENCHES WHEN POSSIBLE.
13. **PARKING NOTE:** ALL POP-UP HEADS AT BACK OF CURB IN PARKING AREAS SHOULD HAVE MAX. POP-UP HEIGHT OF 4".
14. **MAINLINE REINFORCEMENT:** USE JOINT RESTRAINTS, PER DETAIL 6/LDI.4 ON ALL BELL AND GASKET MAINLINE PIPE. USE THRUST BLOCKS, PER DETAIL 5/LDI.4, ON ALL SOLVENT WELD MAINLINE PIPE.

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JANUARY 5, 2023 CALA PROJECT NO. 21013

MCKINLEY PARK RENOVATIONS PROJECT

IRRIGATION PLAN

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

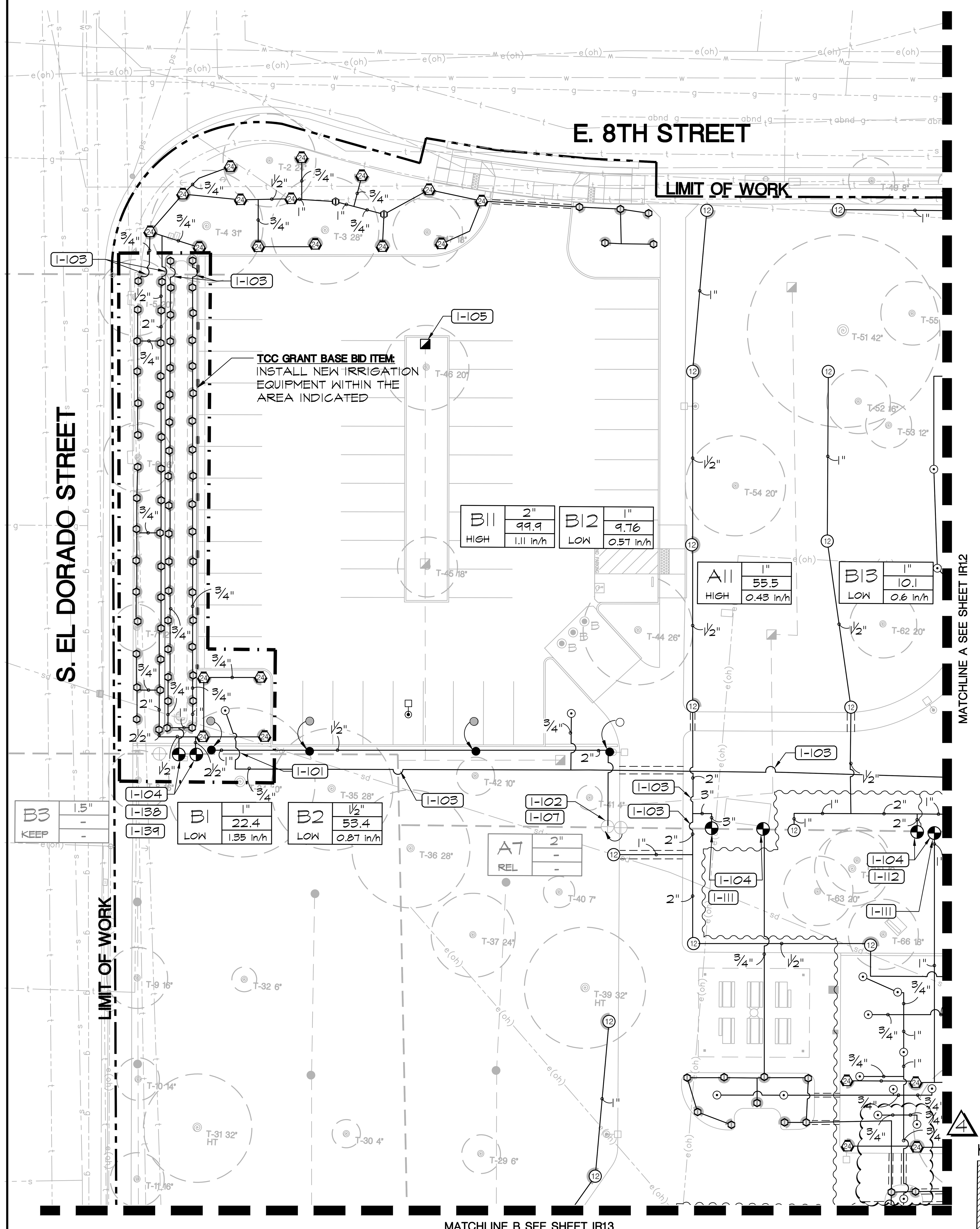
PERMIT REVIEW SET

REGISTERED LANDSCAPE ARCHITECT BRENDAN W. WITTMUR, RLA
Signature
May 31, 2024
Renewal Date
Date
STATE OF CALIFORNIA

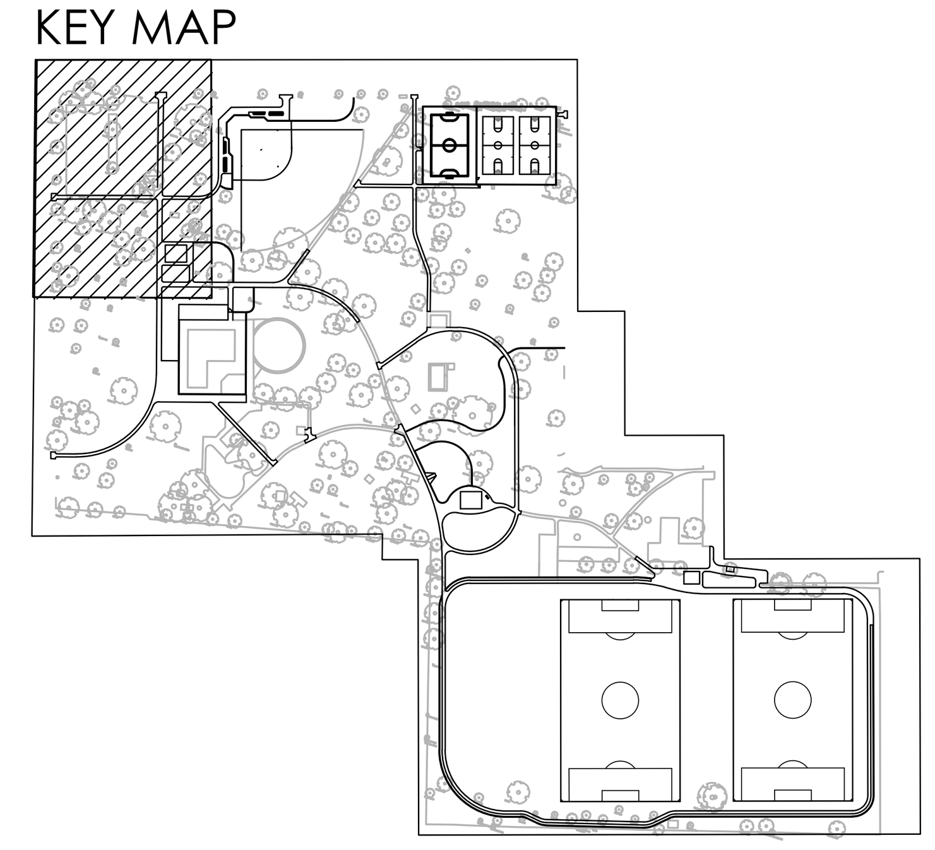
Revision No.	Description	Date	By	Aprvd. By
1	RESPONSE TO PERMIT CYCLE 1 COMMENTS	11/14/22		

SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE	SHEET NO. IR1.0
DESIGNED BY	DCM		52 OF 156 SHTS
DRAWN BY	CM		
CHECKED BY	BW	CITY ENGINEER	WR21017 PROJECT NO.
RECORD DWGS.		STOCKTON, CALIFORNIA	

5541.51C



KEY MAP



IRRIGATION KEY NOTES

- I-101 CONNECT NEW MAINLINE TO EXISTING SYSTEM. EXISTING MAINLINE LOCATION SHOWN IS APPROXIMATE FROM RECORD DRAWINGS. CONTRACTOR TO VERIFY ACTUAL LOCATION IN FIELD.
- I-102 CONNECT NEW LATERAL TO EXISTING SYSTEM. EXISTING MAINLINE LOCATION SHOWN IS APPROXIMATE FROM RECORD DRAWINGS. CONTRATOR TO VERIFY ACTUAL LOCATION IN FIELD.
- I-103 NEW LATERAL LINE CROSSES EXISTING MAINLINE OR LATERAL LINE. CONTRACTOR TO LOCATED EXISTING LINE AND INSTALL NEW LINE WITH CAUTION. ANY EXISTING PIPE DAMAGED AS PART OF CONSTRUCTION OPERATIONS SHALL BE REPLACED/ REPAIRED.
- I-104 CONNECT NEW VALVE TO EXISTING MAINLINE, MAINLINE LOCATION IS APPROXIMATE. CONTRACTOR TO VERIFY ACTUAL LOCATION IN FIELD.
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- I-106 LOCATE WIRES FROM (E) VALVE A3A AND CONNECT TO NEW VALVE A3
- I-107 EXTEND EXISTING CONTROL WIRES TO NEW VALVE LOCATIONS
- I-108 LOCATE WIRES FROM (E) VALVE A8A AND CONNECT TO NEW VALVE A8
- I-109 LOCATE WIRES FROM (E) VALVE A9A AND CONNECT TO NEW VALVE A9
- I-110 LOCATE WIRES FROM (E) VALVE A6B AND CONNECT TO NEW VALVE A29
- I-111 EXTEND NEW CONTROL AND NEUTRAL WIRES FROM CONTROLLERS TO NEW VALVES
- I-112 LOCATE WIRES FROM (E) VALVE A11A AND CONNECT TO NEW VALVE A11
- I-113 LOCATE WIRES FROM (E) VALVE A14A AND CONNECT TO NEW VALVE A14
- I-114 LOCATE WIRES FROM (E) VALVE A18A AND CONNECT TO NEW VALVE A18
- I-115 LOCATE WIRES FROM (E) VALVE A20A AND CONNECT TO NEW VALVE A20
- I-116 LOCATE WIRES FROM (E) VALVE A23A AND CONNECT TO NEW VALVE A23
- I-117 IDENTIFY WIRE FOR VALVE A1B AT CONTROLLER AND REASSIGN TO NEW STATION A25
- I-118 IDENTIFY WIRE FOR VALVE A2B AT CONTROLLER AND REASSIGN TO NEW STATION A26
- I-119 IDENTIFY WIRE FOR VALVE A3B AT CONTROLLER AND REASSIGN TO NEW STATION A27
- I-120 IDENTIFY WIRE FOR VALVE A4B AT CONTROLLER AND REASSIGN TO NEW STATION A28
- I-121 IDENTIFY WIRE FOR VALVE A5B AT CONTROLLER AND REASSIGN TO NEW STATION A29
- I-122 LOCATE WIRES FROM (E) VALVE A13B AND CONNECT TO NEW VALVE A30
- I-123 LOCATE WIRES FROM (E) VALVE A8B AND CONNECT TO NEW VALVE A32
- I-124 LOCATE WIRES FROM (E) V ALVE A14B AND CONNECT TO NEW VALVE A37
- I-125 IDENTIFY WIRE FOR VALVE A7B AT CONTROLLER AND REASSIGN TO NEW STATION A31
- I-126 IDNEITYF WIRE FOR AVLE A9B AT CONTROLLER AND REASSIGN TO NEW STATION A33
- I-127 IDENTIFY WIRE FOR VALVE A10B AT CONTROLLER AND REASSIGN TO NEW STATION A34
- I-128 IDENTIFY WIRE FOR VALVE A10B AT CONTROLLER AND REASSIGN TO NEW STATION A34
- I-129 IDNEITYF WIRE FOR VALVE A12B AT CONTROLLER AND REASSIGN TO NEW STATION A36
- I-130 LOCATE WIRES FROM (E) VALVE A15B AND CONNECT TO NEW VALVE A38
- I-131 LOCATE WIRES FROM (E) VALVE A16B AND CONNECT TO NEW VALVE A39
- I-132 IDENTIFY WIRE FOR VALVE A17B AT CONTROLLER AND REASSIGN TO NEW STATION A40
- I-133 LOCATED WIRES FROM (E) VALVE A18B AND CONNECT TO NEW VALVE A41
- I-134 LOCATE WIRES FROM (E) VALVE A19B AND CONNECT TO NEW VALVE A42
- I-135 LOCATE WIRES FROM (E) VALVE A20B AND CONNECT TO NEW VALVE A43
- I-136 IDENTIFY WIRE FOR VALVE A21B AT CONTROLLER AND REASSIGN TO NEW STATION A44
- I-137 IDENTIFY WIRE FOR VALVE A22B AT CONTROLLER AND REASSIGN TO NEW STATION A45
- I-138 LOCATE WIRES FROM (E) VALVE B1 AND CONNECT TO NEW VALVE B1
- I-139 LOCATE WIRES FROM (E) VALVE B2 AND CONNECT TO NEW VALVE B2
- I-140 LOCATE WIRES FROM (E) VALVE B5 AND CONNECT TO NEW VALVE B5
- I-141 LOCATE WIRES FROM (E) VALVE B6 AND CONNECT TO NEW VALVE B6
- I-142 LOCATE WIRES FROM (E) VALVE B7 AND CONNECT TO NEW VALVE B7
- I-143 LOCATE WIRES FROM (E) VALVE B8 AND CONNECT TO NEW VALVE B8

CALL BEFORE YOU DIG USA 800-642-2444

SEE SHEET IR1.0 FOR IRRIGATION NOTES

0 10' 20' 40'

PERMIT REVIEW SET

CALA
12150 Tributary Point Drive, Suite 140
Gold River, CA 95670
T 916.985.4366
www.callanderassociates.com

JANUARY 5, 2023 CALA PROJECT NO. 21013

MCKINLEY PARK RENOVATIONS PROJECT

IRRIGATION PLAN

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By
	RESPONSE TO PERMIT CYCLE 1 COMMENTS	11/14/22		
4	TXFR PLACEMENT	04/13/23		

SCALE	AS SHOWN
DESIGNED BY	DCM
DRAWN BY	CM
CHECKED BY	BW
RECORD DWGS.	

APPROVED BY: 7/24/23
DATE
CITY ENGINEER
STOCKTON, CALIFORNIA

SHEET NO. IR1.1
53 OF 156 SHTS
WR21017
PROJECT NO.

5541.52C

SEE SHEET IR1.0 FOR IRRIGATION NOTES & LEGEND
SEE SHEET IR1.1 FOR IRRIGATION KEY NOTES

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JANUARY 5, 2023 CALA PROJECT NO. 21013

MCKINLEY PARK RENOVATIONS PROJECT

IRRIGATION PLAN

PERMIT REVIEW SET

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By
1	RESPONSE TO PERMIT CYCLE 1 COMMENTS	11/14/22		
2	TXFR PLACEMENT	04/13/23		

SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE	SHEET NO. IR1.2
DESIGNED BY	DCM	CITY ENGINEER	54 OF 156 SHTS
DRAWN BY	CM	STOCKTON, CALIFORNIA	WR21017 PROJECT NO.
CHECKED BY	BW		
RECORD DWGS.			

RICHARD W. WORKMAN, RLA LANDSCAPE ARCHITECT Signature May 31, 2024 Renewal Date Date STATE OF CALIFORNIA

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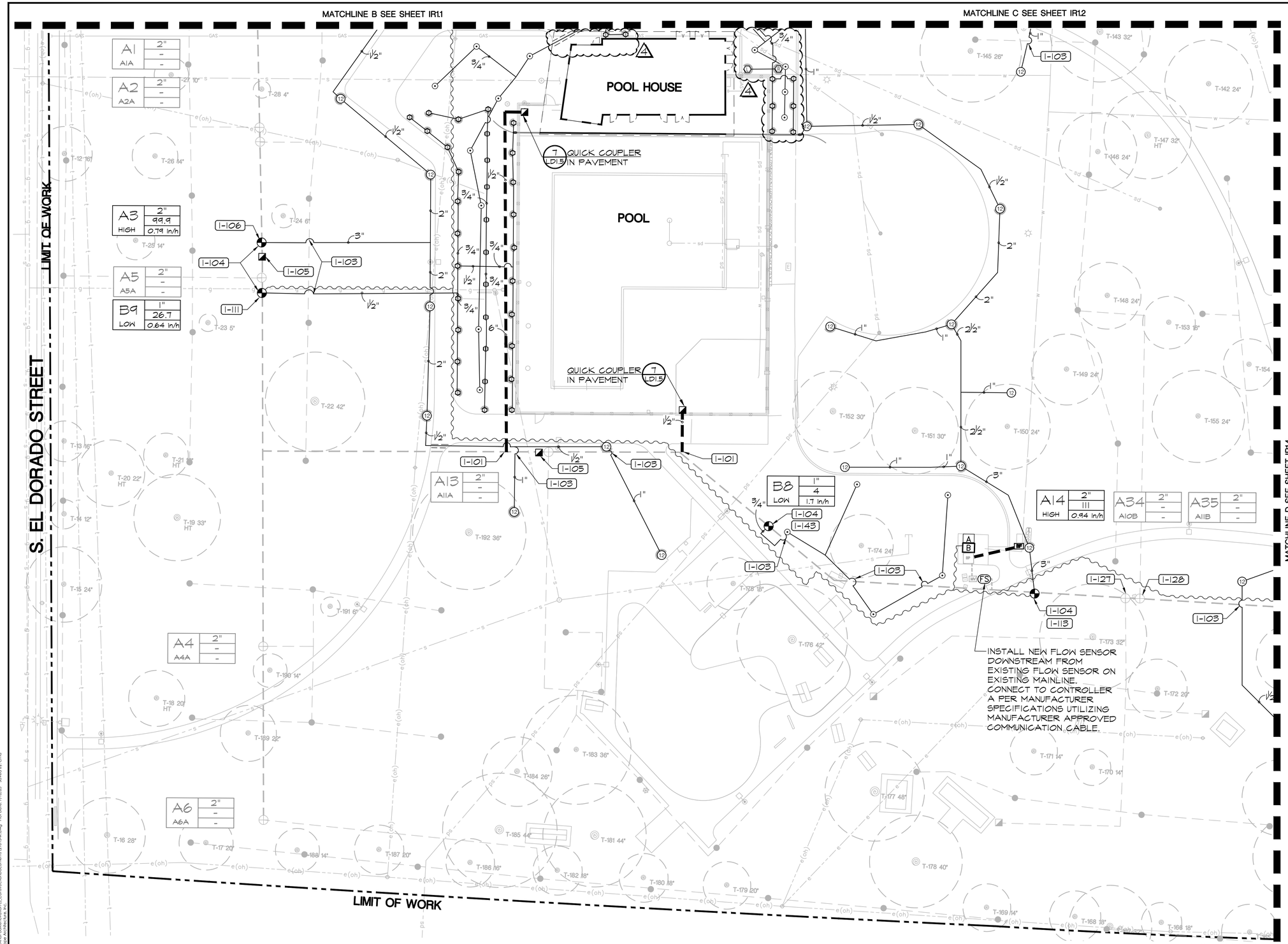
5541.53C



IRRIGATION KEY NOTES

SYMBOL	DESCRIPTION
1-101	CONNECT NEW MAINLINE TO EXISTING SYSTEM. EXISTING MAINLINE LOCATION SHOWN IS APPROXIMATE FROM RECORD DRAWINGS. CONTRACTOR TO VERIFY ACTUAL LOCATION IN FIELD.
1-103	NEW LATERAL LINE CROSSES EXISTING MAINLINE OR LATERAL LINE. CONTRACTOR TO LOCATED EXISTING LINE AND INSTALL NEW LINE WITH CAUTION. ANY EXISTING PIPE DAMAGED AS PART OF CONSTRUCTION OPERATIONS SHALL BE REPLACED/ REPAIRED.
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1-106	LOCATE WIRES FROM (E) VALVE A3A AND CONNECT TO NEW VALVE A3
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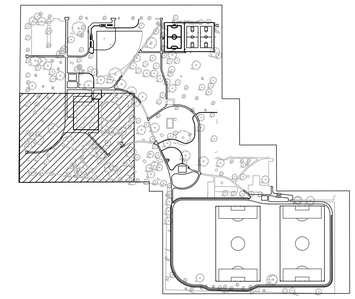
1-113	LOCATE WIRES FROM (E) VALVE A14A AND CONNECT TO NEW VALVE A14
1-127	IDENTIFY WIRE FOR VALVE A10B AT CONTROLLER AND REASSIGN TO NEW STATION A34
1-128	IDENTIFY WIRE FOR VALVE A10B AT CONTROLLER AND REASSIGN TO NEW STATION A34
1-143	LOCATE WIRES FROM (E) VALVE B8 AND CONNECT TO NEW VALVE B8

KEY MAP



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JANUARY 5, 2023 CALA PROJECT NO. 21013

MCKINLEY PARK RENOVATIONS PROJECT

IRRRIGATION PLAN

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By
1	RESPONSE TO PERMIT CYCLE 1 COMMENTS	11/14/22		
2	TXFR PLACEMENT	04/13/23		

SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE	SHEET NO. IR1.3
DESIGNED BY	DCM		55 OF 156 SHTS
DRAWN BY	CM		
CHECKED BY	BW	CITY ENGINEER	WR21017 PROJECT NO.
RECORD DWGS.		STOCKTON, CALIFORNIA	

LICENSED LANDSCAPE ARCHITECT RICHARD W. BOOKHOUT, JR. No. 5541 Signature May 31, 2024 Renewal Date Date STATE OF CALIFORNIA

PERMIT REVIEW SET

SEE SHEET IR1.0 FOR IRRIGATION NOTES & LEGEND

0 10' 20' 40'

5541.54C

MATCHLINE D SEE SHEET IR12

MATCHLINE E SEE SHEET IR13

S. SAN JOAQUIN STREET

LIMIT OF WORK

E. 9TH STREET

MATCHLINE H SEE SHEET IR1.6

MATCHLINE I SEE SHEET IR1.6

MATCHLINE F SEE SHEET IR1.5

RE-ROUTE MAINLINE OUTSIDE OF NEW PLAY AREA

A27	2"	
A3B	-	
A28	2"	
A4B	-	
A29	2"	
A5B	-	
A33	2"	
A9B	-	
A30	1"	44.4
HIGH		0.41 in/h
A32	1"	55.5
HIGH		0.87 in/h
A37	1"	4.00
MED		1.7 in/h
B20	1"	6.31
LOW		0.46 in/h
A22	2"	
A22A	-	
B21	1"	17.7
LOW		1.18 in/h
B22	2"	103
HIGH		1.11 in/h
B23	1"	23.5
LOW		1.7 in/h
A24	1"	17.7
LOW		1.18 in/h
A23	1"	12.6
LOW		0.87 in/h
B10	1"	55.5
HIGH		0.91 in/h
B25	2"	
A24B	-	
A21B	2"	
KEEP	-	
B26	1"	7
LOW		1.7 in/h

IRRIGATION KEY NOTES

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1-113 LOCATE WIRES FROM (E) VALVE A14A AND CONNECT TO NEW VALVE A14

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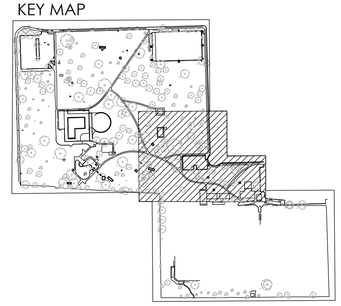
1-128 IDENTIFY WIRE FOR VALVE A10B AT CONTROLLER AND REASSIGN TO NEW STATION A34

1-143 LOCATE WIRES FROM (E) VALVE B8 AND CONNECT TO NEW VALVE B8

KEY MAP



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JANUARY 5, 2023 CALA PROJECT NO. 21013

MCKINLEY PARK RENOVATIONS PROJECT

IRRIGATION PLAN

PERMIT REVIEW SET

RICHARD W. WALKER, JR. LANDSCAPE ARCHITECT
Signature
May 31, 2024
Renewal Date
Date
STATE OF CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By
1	RESPONSE TO PERMIT CYCLE 1 COMMENTS	11/14/22		

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

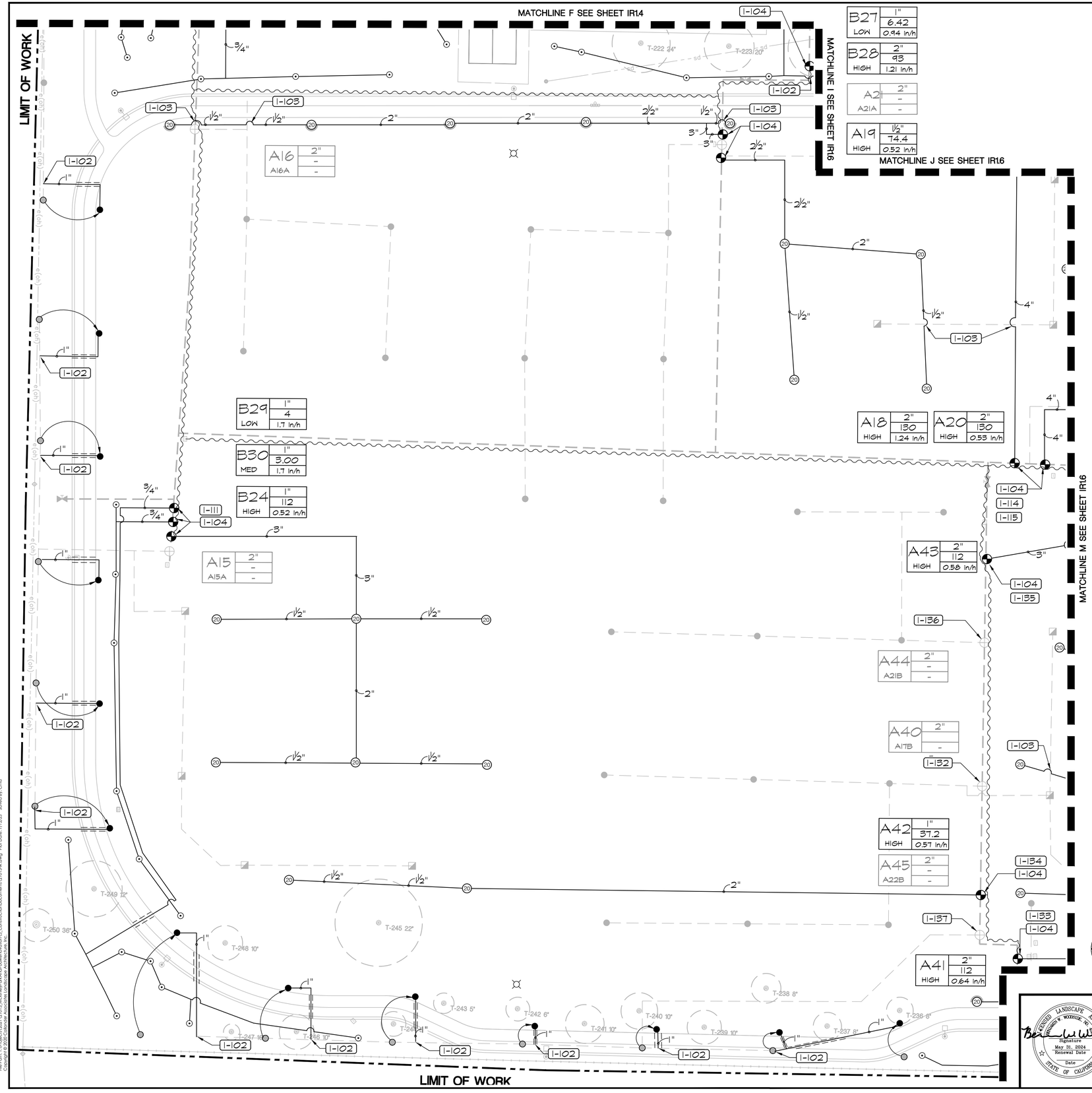
SCALE	AS SHOWN	APPROVED BY:	7/24/23 DATE
DESIGNED BY	DCM		CITY ENGINEER
DRAWN BY	CM		STOCKTON, CALIFORNIA
CHECKED BY	BW		
RECORD DWGS.			

SHEET NO. IR1.4
56 OF 156 SHTS
WR21017 PROJECT NO.

5541.55C

SEE SHEET IR1.0 FOR IRRIGATION NOTES & LEGEND

0 10' 20' 40'



IRRIGATION KEY NOTES

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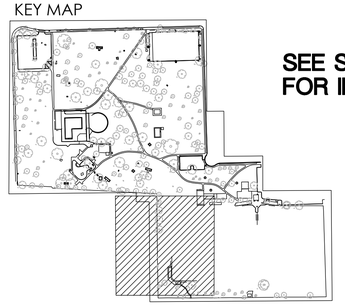
KEY MAP



SEE SHEET IR1.0 FOR IRRIGATION NOTES & LEGEND

0 10' 20' 40'

PERMIT REVIEW SET

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JANUARY 5, 2023 CALA PROJECT NO. 21013

MCKINLEY PARK RENOVATIONS PROJECT

IRRIGATION PLAN

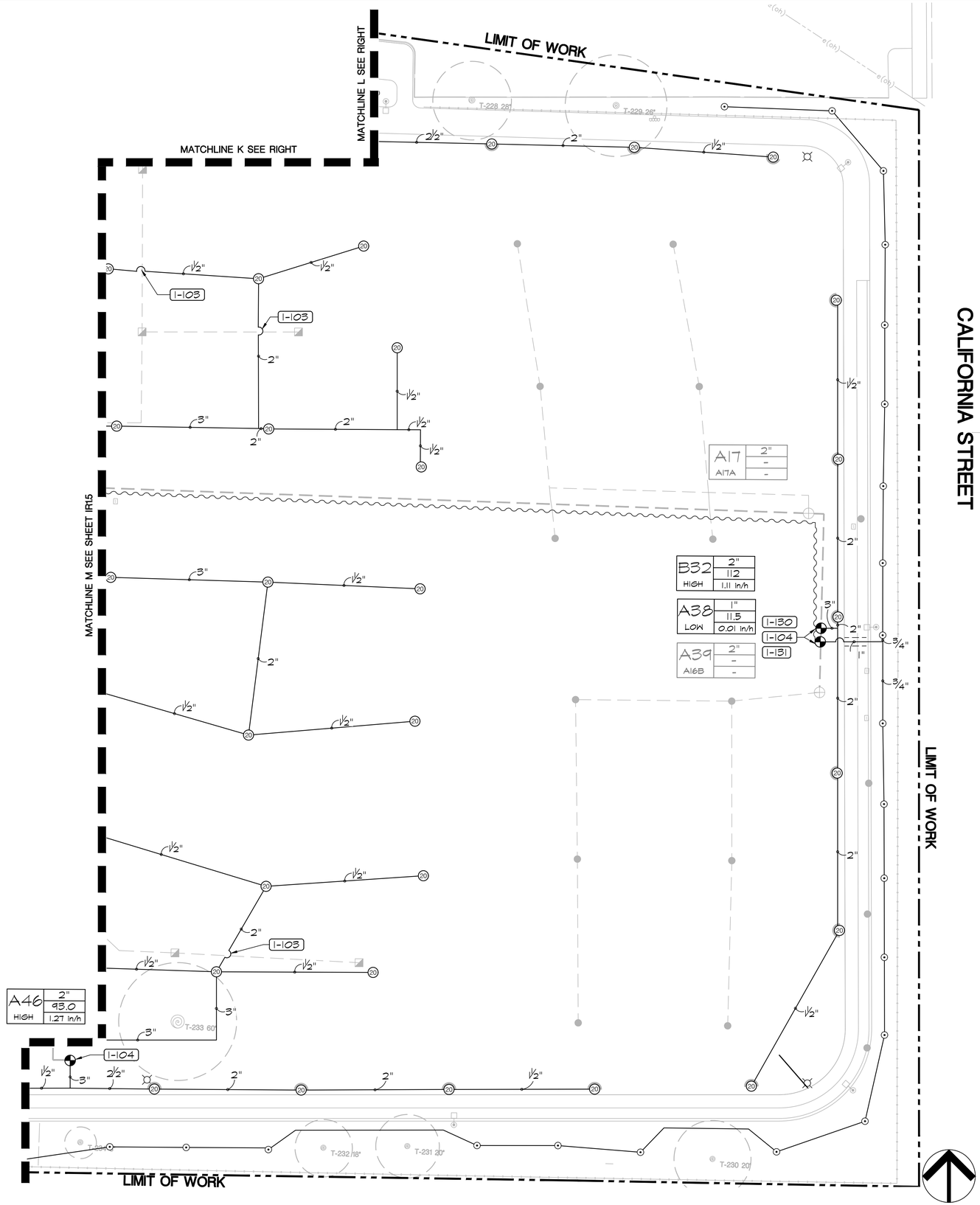
DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

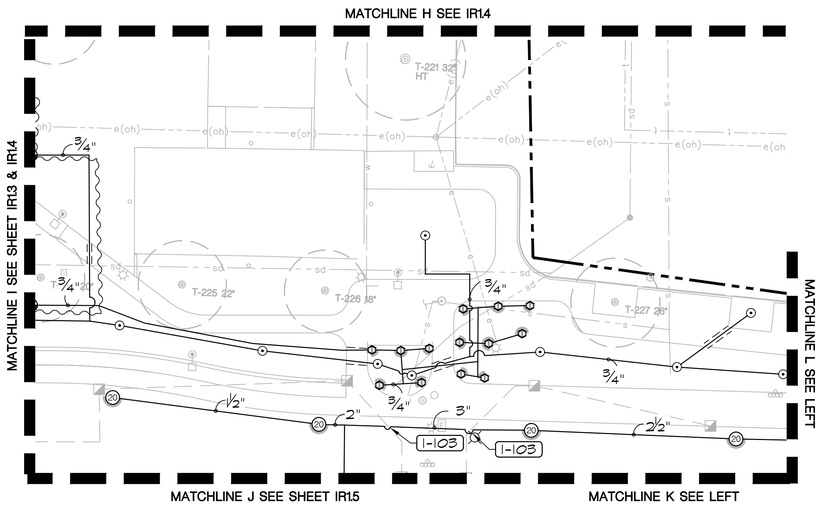
Revision No.	Description	Date	By	Aprvd. By
1	RESPONSE TO PERMIT CYCLE 1 COMMENTS	11/14/22		

LICENSED LANDSCAPE ARCHITECT — BENJAMIN W. WOOSTER — NO. 6066 — Signature — May 31, 2024 Renewal Date — Date — STATE OF CALIFORNIA

SCALE	AS SHOWN	APPROVED BY: DATE 7/24/23	SHEET NO. IR1.5
DESIGNED BY	DCM		57 OF 156 SHTS.
DRAWN BY	CM		
CHECKED BY	BW	CITY ENGINEER	WR21017 PROJECT NO.
RECORD DWGS.		STOCKTON, CALIFORNIA	

5541.56C





IRRIGATION KEY NOTES

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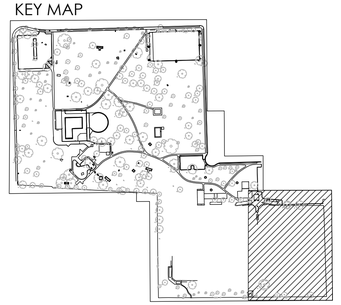
KEY MAP



SEE SHEET IR1.0 FOR IRRIGATION NOTES & LEGEND

PERMIT REVIEW SET

0 10' 20' 40'

LICENSED LANDSCAPE ARCHITECT — BRADLEY W. WITTKOP, RLA — Signature — May 31, 2024 Renewal Date — Date — STATE OF CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By
1	RESPONSE TO PERMIT CYCLE 1 COMMENTS	11/14/22		

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JANUARY 5, 2023 CALA PROJECT NO. 21013

MCKINLEY PARK RENOVATIONS PROJECT

IRRIGATION PLAN

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE	SHEET NO. IR1.6
DESIGNED BY	DCM	CITY ENGINEER	58 OF 156 SHTS
DRAWN BY	CM	STOCKTON, CALIFORNIA	WR21017 PROJECT NO.
CHECKED BY	BW		
RECORD DWGS.			

5541.57C

PROJECT INFORMATION

A. DATE: SEE TITLE BLOCK

B. PROJECT APPLICANT: CITY OF STOCKTON

C. PROJECT ADDRESS: 2332 E. ELDORADO, STOCKTON, CA 95206

D. TOTAL IRRIGATED LANDSCAPE AREA: SEE WATER EFFICIENT LANDSCAPE WORKSHEET (THIS SHEET)

E. PROJECT TYPE: PARK, NEW CONSTRUCTION/RENOVATION

F. WATER SUPPLY TYPE: POTABLE, CALIFORNIA WATER SERVICES

G. LANDSCAPE DOCUMENTATION PACKAGE CHECKLIST:

1. ✓ PROJECT INFORMATION
2. ✓ WATER EFFICIENT LANDSCAPE WORKSHEET
3. ✓ SOIL MANAGEMENT REPORT (FURNISH UPON COMPLETION)
4. ✓ LANDSCAPE DESIGN PLAN (PLANTING PLAN)
5. ✓ IRRIGATION DESIGN PLAN (IRRIGATION PLAN)
6. ✓ GRADING DESIGN PLAN (SEE CIVIL PLANS)
7. ___ CERTIFICATE OF COMPLETION (FURNISH UPON COMPLETION)
8. ✓ MAINTENANCE SCHEDULE (THIS SHEET)
9. ✓ IRRIGATION SCHEDULE (SHEET IR1.7-IR1.8)

H. LANDSCAPE ARCHITECT:

CALLANDER ASSOCIATES
BENJAMIN WOODSIDE
12150 TRIBUTARY POINT DRIVE, SUITE 140
GOLD RIVER, CA 95670
PHONE: (916) 985-4366
BWOODSIDE@CAVALLEYOFFICE.COM

OWNER:

CITY OF STOCKTON
IVAN REYNOSO
22 E. WEBER AVENUE, ROOM 301
STOCKTON, CA 95202-2317
PHONE: (209) 937-7390
IVAN.REYNOSO@STOCKTONCA.GOV

WATER EFFICIENT LANDSCAPE WORKSHEET

Reference Evapotranspiration (ETo) 49.1

Hydrozone # /Planting Description[a]	Plant Factor (PF)[f]	Irrigation Method[b]	Irrigation Efficiency (IE)[c]	ETAF (PF/IE)	Landscape Area (sq. ft.)	ETAF x Area	Estimated Total Water Use (ETWU)[d]
Regular Landscape Areas							
Low Water Use Plantings	0.3	Spray	0.75	0.40	24,420	9,768	297,357
Medium Water Use Trees	0.5	Bubbler	0.81	0.62	120	74	2,255
Low Water Use Trees	0.3	Bubbler	0.81	0.37	1,260	467	14,206
				Totals	25,800 (A)	10,309 (B)	
Special Landscape Areas							
				1	76,683	76,683	2,334,384
				Totals	76,683 (C)	76,683 (D)	
						ETWU Total	2,648,203
						Maximum Applied Water Allowance (MAWA)[e]	2,687,816

[a]Hydrozone #/Planting Description
E.g
1.) front lawn
2.) low water use plantings
3.) medium water use planting

[b]Irrigation Method
overhead spray or drip

[c]Irrigation Efficiency
0.75 for spray head
0.81 for drip

[d]ETWU **(Annual Gallons Required) =**
Eto x 0.62 x ETAF x Area
where 0.62 is a conversion factor that converts acre-inches per acre per year to gallons per square foot per year.

[e]MAWA (Annual Gallons Allowed) =
(Eto) (0.62) [(ETAF x LA) + ((1-ETAF) x SLA)]
where 0.62 is a conversion factor that converts acre-inches per acre per year to gallons per square foot per year, LA is the total landscape area in square feet (including SLA), SLA is the total special landscape area in square feet,
and ETAF is .55 for residential areas and 0.45 for non-residential areas.

[f]Plant Factor
(0.0 - 0.1) very low water use
(0.2 - 0.3) low water use
(0.4 - 0.6) medium water use
(0.7 - 1.0) high water use

ETAF Calculations

Regular Landscape Areas

Total ETAF x Area	10,309	(B)
Total Area	25,800	(A)
Average ETAF	**0.40**	**B ÷ A**

Average ETAF for Regular Landscape Areas must be 0.55 or below for residential areas, and 0.45 or below for non-residential areas.

All Landscape Areas

Total ETAF x Area	86,992	(B + D)
Total Area	102,483	(A + C)
Sitewide ETAF	**0.85**	**(B + D) ÷ (A + C)**

RECOMMENDED MAINTENANCE SCHEDULE

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
PRUNING												
TREES												Y
SHRUBS				Q			Q			Q		
GROUNDCOVER				Q			Q			Q		
IRRIGATION												
VISUAL INSPECTION			W	W	W	W	W	W	W	W	W	
TEST CLOCK			M	M	M	M	M	M	M	M	M	
SEASONAL ADJUSTMENT			Q				Q				Q	
WATER AUDIT			Y									
PRESSURE TESTING										Y		
REPAIR			Q				Q				Q	
FERTILIZAITON												
APPLICATION				Q			Q			Q		
SOIL ANALYSIS			Y									
WEED/PEST CONTROL												
PEST CONTROL*												
HERBICIDE APPLICATION			Q				Q					
HAND WEEDING		Q		Q		Q		Q		Q		Q
DEBRIS												
VISUAL INSPECTION	W	W	W	W	W	W	W	W	W	W	W	W
COLLECTION	W	W	W	W	W	W	W	W	W	W	W	W
LANDSCAPING												
REPLACE DEAD PLANTS		Y										
REPLENISH MULCH		Y										

Y = YEARLY, Q = QUARTERLY, M = MONTHLY, W = WEEKLY

*PEST CONTROL MEASURES TO BE IMPLEMENTED PER CITY STANDARD MAINTENANCE PROCEDURES

I AGREE TO COMPLY WITH THE CRITERIA OF THE WATER EFFICIENT LANDSCAPE ORDINANCE AND SUBMIT A COMPLETE LANDSCAPE DOCUMENTATION PACKAGE

SIGNATURE

BENJAMIN W. WOODSIDE

IRRIGATION SCHEDULE

Valve No.	Description	Plant Water Use (WUCOLS)	GPM Flow	Precip Rate	Irrigation Method	Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
						Stockton	0.8	1.5	2.9	4.7	6.2	7.4	8.1	6.8	5.3	3.2	1.4	0.6
						% of July ETo	28%	34%	52%	74%	86%	97%	100%	95%	74%	57%	37%	28%
A7	Turf	High	44.4	0.81	Spray	Minutes per Cycle	3	4	6	8	9	10	10	10	8	6	4	3
						Days per Month	20	20	20	20	20	20	20	20	20	20	20	20
						Cycles per Day	3	3	3	3	3	3	3	3	3	3	3	3
						Days Per Week (max)	5	5	5	5	5	5	5	5	5	5	5	5
						Total Minutes per Month	180	240	360	480	540	600	600	600	480	360	240	180
						Total Gallons	7,992	10,656	15,984	21,312	23,976	26,640	26,640	26,640	21,312	15,984	10,656	7,992
A8	Shrubs	Low	31.1	0.6	Spray	Minutes per Cycle	4	5	7	10	12	13	13	13	10	8	5	4
						Days per Month	5	5	5	5	5	5	5	5	5	5	5	5
						Cycles per Day	3	3	3	3	3	3	3	3	3	3	3	3
						Days Per Week (max)	2	2	2	2	2	2	2	2	2	2	2	2
						Total Minutes per Month	60	75	105	150	180	195	195	195	150	120	75	60
						Total Gallons	1,866	2,333	3,266	4,665	5,598	6,065	6,065	6,065	4,665	3,732	2,333	1,866
A10	Trees	High	55.5	0.43	Spray	Minutes per Cycle	5	6	10	13	15	17	18	17	13	10	7	5
						Days per Month	21	21	21	21	21	21	21	21	21	21	21	21
						Cycles per Day	3	3	3	3	3	3	3	3	3	3	3	3
						Days Per Week (max)	6	6	6	6	6	6	6	6	6	6	6	6
						Total Minutes per Month	315	378	630	819	945	1,071	1,134	1,071	819	630	441	315
						Total Gallons	17,483	20,979	34,965	45,455	52,448	59,441	62,937	59,441	45,455	34,965	24,476	17,483
A13	Turf	High	111	0.94	Spray	Minutes per Cycle	3	3	5	6	7	8	8	8	6	5	3	3
						Days per Month	21	21	21	21	21	21	21	21	21	21	21	21
						Cycles per Day	3	3	3	3	3	3	3	3	3	3	3	3
						Days Per Week (max)	6	6	6	6	6	6	6	6	6	6	6	6
						Total Minutes per Month	189	189	315	378	441	504	504	504	378	315	189	189
						Total Gallons	20,979	20,979	34,965	41,958	48,951	55,944	55,944	55,944	41,958	34,965	20,979	20,979
A17	Turf	High	130	1.24	Spray	Minutes per Cycle	2	3	4	5	6	7	7	6	5	4	3	2
						Days per Month	20	20	20	20	20	20	20	20	20	20	20	20
						Cycles per Day	3	3	3	3	3	3	3	3	3	3	3	3
						Days Per Week (max)	5	5	5	5	5	5	5	5	5	5	5	5
						Total Minutes per Month	120	180	240	300	360	420	420	360	300	240	180	120
						Total Gallons	15,600	23,400	31,200	39,000	46,800	54,600	54,600	46,800	39,000	31,200	23,400	15,600
A18	Turf	High	74.4	0.52	Spray	Minutes per Cycle	5	6	8	12	13	15	15	15	12	9	6	5
						Days per Month	20	20	20	20	20	20	20	20	20	20	20	20
						Cycles per Day	3	3	3	3	3	3	3	3	3	3	3	3
						Days Per Week (max)	5	5	5	5	5	5	5	5	5	5	5	5
						Total Minutes per Month	300	360	480	720	780	900	900	900	720	540	360	300
						Total Gallons	22,320	26,784	35,712	53,568	58,032	66,960	66,960	66,960	53,568	40,176	26,784	22,320
A19	Turf	High	112	0.52	Spray	Minutes per Cycle	5	6	8	12	13	15	15	15	12	9	6	5
						Days per Month	20	20	20	20	20	20	20	20	20	20	20	20
						Cycles per Day	3	3	3	3	3	3	3	3	3	3	3	3
						Days Per Week (max)	5	5	5	5	5	5	5	5	5	5	5	5
						Total Minutes per Month	300	360	480	720	780	900	900	900	720	540	360	300
						Total Gallons	33,600	40,320	53,760	80,640	87,360	100,800	100,800	100,800	80,640	60,480	40,320	33,600
A22	Turf	High	55.5	0.91	Spray	Minutes per Cycle	3	3	5	6	7	8	8	8	6	5	3	3
						Days per Month	22	22	22	22	22	22	22	22	22	22	22	22
						Cycles per Day	3	3	3	3	3	3	3	3	3	3	3	3
						Days Per Week (max)	6	6	6	6	6	6	6	6	6	6	6	6
						Total Minutes per Month	198	198	330	396	462	528	528	528	396	330	198	198
						Total Gallons	10,989	10,989	18,315	21,978	25,641	29,304	29,304	29,304	21,978	18,315	10,989	10,989
A23	Shrubs	Low	12.6	0.87	Spray	Minutes per Cycle	3	4	5	7	8	9	9	9	7	6	4	3
						Days per Month	5	5	5	5	5	5	5	5	5	5	5	5
						Cycles per Day	3	3	3	3	3	3	3	3	3	3	3	3
						Days Per Week (max)	2	2	2	2	2	2	2	2	2	2	2	2
						Total Minutes per Month	45	60	75	105	120	135	135	135	105	90	60	45
						Total Gallons	567	756	945	1,323	1,512	1,701	1,701	1,701	1,323	1,134	756	567
B28	Trees	Low	4	1.7	Bubbler	Minutes per Cycle	2	2	3	4	4	5	5	5	4	3	2	2
						Days per Month	5	5	5	5	5	5	5	5	5	5	5	5
						Cycles per Day	3	3	3	3	3	3	3	3	3	3	3	3
						Days Per Week (max)	2	2	2	2	2	2	2	2	2	2	2	2
						Total Minutes per Month	30	30	45	60	60	75	75	75	60	45	30	30
						Total Gallons	120	120	180	240	240	300	300	300	240	180	120	120
B29	Trees	Medium	3	1.7	Bubbler	Minutes per Cycle	2	2	3	4	4	5	5	5	4	3	2	2
						Days per Month	18	18	18	18	18	18	18	18	18	18	18	18
						Cycles per Day	2	2	2	2	2	2	2	2	2	2	2	2
						Days Per Week (max)	5	5	5	5	5	5	5	5	5	5	5	5
						Total Minutes per Month	72	72	108	144	144	180	180	180	144	108	72	72
						Total Gallons	216	216	324	432	432	540	540	540	432	324	216	216
B30	Turf	High	130	0.53	Spray	Minutes per Cycle	4	5	8	11	13	14	15	14	11	9	6	4
						Days per Month	31	31	31	31	31	31	31	31	31	31	31	31
						Cycles per Day	2	2	2	2	2	2	2	2	2	2	2	2
						Days Per Week (max)	8	8	8	8	8	8	8	8	8	8	8	8
						Total Minutes per Month	248	310	496	682	806	868	930	868	682	558	372	248
						Total Gallons	32,240	40,300	64,480	88,660	104,780	112,840	120,900	112,840	88,660	72,540	48,360	32,240
A36	Turf	High	55.5	0.87	Spray	Minutes per Cycle	3	4	5	7	8	9	9	9	7	6	4	3
						Days per Month	20	20	20	20	20	20	20	20	20	20	20	20
						Cycles per Day	3	3	3	3	3	3	3	3	3	3	3	3
						Days Per Week (max)	5	5	5	5	5	5	5	5	5	5	5	5
						Total Minutes per Month	180	240	300	420	480	540	540	540	420	360	240	180
						Total Gallons	9,990	13,320	16,650	23,310	26,640	29,970	29,970	29,970	23,310	19,980	13,320	9,990
A38	Trees	Medium	4	1.7	Bubbler	Minutes per Cycle	2	2	3	4	4	5	5	5	4	3	2	2
						Days per Month	12	12	12	12	12	12	12	12	12	12	12	12
						Cycles per Day	3	3	3	3	3	3	3	3	3	3	3	3
						Days Per Week (max)	3	3	3	3	3	3	3	3	3	3	3	3
						Total Minutes per Month	72	72	108	144	144	180	180	180	144	108	72	72
						Total Gallons	288	288	432	576	576	720	720	720	576	432	288	288
A41	Turf	High	112	0.64	Spray	Minutes per Cycle	4	5	7	9	11	12	13	12	9	7	5	4
						Days per Month	20	20	20	20	20	20	20	20	20	20	20	20
						Cycles per Day	3	3	3	3	3	3	3	3	3	3	3	3
						Days Per Week (max)	5	5	5	5	5	5	5	5	5	5	5	5
						Total Minutes per Month	240	300	420	540	660	720	780	720	540	420	300	240
						Total Gallons	26,880	33,600	47,040	60,480	73,920	80,640	87,360	80,640	60,480	47,040	33,600	26,880
A42	Turf	High	37.2	0.57	Spray	Minutes per Cycle	4	5	7	10	12	13	13	13	10	8	5	4
						Days per Month	21	21	21	21	21	21	21	21	21	21	21	21
						Cycles per Day	3	3	3	3	3	3	3	3	3	3	3	3
						Days Per Week (max)	6	6	6	6	6	6	6	6	6	6	6	6
						Total Minutes per Month	252	315	441	630	756	819	819	819	630	504	315	252
						Total Gallons	9,374	11,718	16,405	23,436	28,123	30,467	30,467	30,467	23,436	18,749	11,718	9,374

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CALA
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JANUARY 5, 2023 CALA PROJECT NO. 21013

MCKINLEY PARK RENOVATIONS PROJECT

LANDSCAPE DOCUMENTATION

PERMIT REVIEW SET

LICENSED LANDSCAPE ARCHITECT BENJAMIN W. WOODSIDE
Signature
May 31, 2024
Renewal Date
Date
STATE OF CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By
1	RESPONSE TO PERMIT CYCLE 1 COMMENTS	11/14/22		

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE	SHEET NO. IR1.7
DESIGNED BY	DCM		59 OF 156 SHTS
DRAWN BY	CM	CITY ENGINEER	
CHECKED BY	BW	STOCKTON, CALIFORNIA	WR21017 PROJECT NO.
RECORD DWGS.			

5541.58C

IRRIGATION SCHEDULE (CONT.)

Valve No.	Description	Plant Water Use (WUCOLS)	GPM Flow	Precip Rate	Irrigation Method	Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
						Stockton	0.8	1.5	2.9	4.7	6.2	7.4	8.1	6.8	5.3	3.2	1.4	0.6
						% of July ETo	28%	34%	52%	74%	86%	97%	100%	95%	74%	57%	37%	28%
A46	Turf	High	93	1.27	Spray	Minutes per Cycle	2	3	4	5	6	6	7	6	5	4	3	2
						Days per Month	20	20	20	20	20	20	20	20	20	20	20	20
						Cycles per Day	3	3	3	3	3	3	3	3	3	3	3	3
						Days Per Week (max)	5	5	5	5	5	5	5	5	5	5	5	5
						Total Minutes per Month	120	180	240	300	360	360	420	360	300	240	180	120
						Total Gallons	11,160	16,740	22,320	27,900	33,480	33,480	39,060	33,480	27,900	22,320	16,740	11,160
B1	Shrubs	Low	22.4	1.35	Spray	Minutes per Cycle	2	2	3	4	3	5	5	5	4	3	2	2
						Days per Month	6	6	6	6	6	6	6	6	6	6	6	6
						Cycles per Day	3	3	3	3	3	3	3	3	3	3	3	3
						Days Per Week (max)	2	2	2	2	2	2	2	2	2	2	2	2
						Total Minutes per Month	36	36	54	72	90	90	90	90	72	54	36	36
						Total Gallons	806	806	1,210	1,613	2,016	2,016	2,016	2,016	1,613	1,210	806	806
B2	Shrubs	Low	53.4	0.87	Spray	Minutes per Cycle	3	4	5	7	8	9	9	9	7	6	4	3
						Days per Month	5	5	5	5	5	5	5	5	5	5	5	5
						Cycles per Day	3	3	3	3	3	3	3	3	3	3	3	3
						Days Per Week (max)	2	2	2	2	2	2	2	2	2	2	2	2
						Total Minutes per Month	45	60	75	105	120	135	135	135	105	90	60	45
						Total Gallons	2,403	3,204	4,005	5,607	6,408	7,209	7,209	7,209	5,607	4,806	3,204	2,403
B5	Shrubs	Low	16	1.1	Spray	Minutes per Cycle	2	3	4	6	7	7	8	7	6	5	3	2
						Days per Month	5	5	5	5	5	5	5	5	5	5	5	5
						Cycles per Day	3	3	3	3	3	3	3	3	3	3	3	3
						Days Per Week (max)	2	2	2	2	2	2	2	2	2	2	2	2
						Total Minutes per Month	30	45	60	90	105	105	120	105	90	75	45	30
						Total Gallons	480	720	960	1,440	1,680	1,680	1,920	1,680	1,440	1,200	720	480
B6	Shrubs	Low	33.4	1.33	Spray	Minutes per Cycle	2	2	3	4	3	5	5	5	4	3	2	2
						Days per Month	6	6	6	6	6	6	6	6	6	6	6	6
						Cycles per Day	3	3	3	3	3	3	3	3	3	3	3	3
						Days Per Week (max)	2	2	2	2	2	2	2	2	2	2	2	2
						Total Minutes per Month	36	36	54	72	90	90	90	90	72	54	36	36
						Total Gallons	1,202	1,202	1,804	2,405	3,006	3,006	3,006	3,006	2,405	1,804	1,202	1,202
B7	Shrubs	Low	13.9	1.28	Spray	Minutes per Cycle	2	3	4	5	6	6	7	6	5	4	3	2
						Days per Month	5	5	5	5	5	5	5	5	5	5	5	5
						Cycles per Day	3	3	3	3	3	3	3	3	3	3	3	3
						Days Per Week (max)	2	2	2	2	2	2	2	2	2	2	2	2
						Total Minutes per Month	30	45	60	75	90	90	105	90	75	60	45	30
						Total Gallons	1,802	2,703	3,604	4,505	5,406	5,406	6,307	5,406	4,505	3,604	2,703	1,802
B8	Trees	Low	4	1.7	Spray	Minutes per Cycle	2	2	2	3	4	4	4	4	3	3	2	2
						Days per Month	6	6	6	6	6	6	6	6	6	6	6	6
						Cycles per Day	3	3	3	3	3	3	3	3	3	3	3	3
						Days Per Week (max)	2	2	2	2	2	2	2	2	2	2	2	2
						Total Minutes per Month	36	36	36	54	72	72	72	72	54	54	36	36
						Total Gallons	144	144	144	216	288	288	288	288	216	216	144	144
B9	Shrubs	Low	26.7	0.64	Spray	Minutes per Cycle	4	5	7	9	11	12	13	12	9	7	5	4
						Days per Month	5	5	5	5	5	5	5	5	5	5	5	5
						Cycles per Day	3	3	3	3	3	3	3	3	3	3	3	3
						Days Per Week (max)	2	2	2	2	2	2	2	2	2	2	2	2
						Total Minutes per Month	60	75	105	135	165	180	195	180	135	105	75	60
						Total Gallons	1,602	2,003	2,804	3,605	4,406	4,806	5,207	4,806	3,605	2,804	2,003	1,602
B10	Turf	High	99.9	0.79	Spray	Minutes per Cycle	3	4	6	8	9	10	10	10	8	6	4	3
						Days per Month	20	20	20	20	20	20	20	20	20	20	20	20
						Cycles per Day	3	3	3	3	3	3	3	3	3	3	3	3
						Days Per Week (max)	5	5	5	5	5	5	5	5	5	5	5	5
						Total Minutes per Month	180	240	360	480	540	600	600	600	480	360	240	180
						Total Gallons	17,982	23,976	35,964	47,952	53,946	59,940	59,940	59,940	47,952	35,964	23,976	17,982
B11	Turf	High	99.9	1.11	Spray	Minutes per Cycle	2	3	4	6	7	7	8	7	6	4	3	2
						Days per Month	20	20	20	20	20	20	20	20	20	20	20	20
						Cycles per Day	3	3	3	3	3	3	3	3	3	3	3	3
						Days Per Week (max)	5	5	5	5	5	5	5	5	5	5	5	5
						Total Minutes per Month	120	180	240	360	420	420	480	420	360	240	180	120
						Total Gallons	11,988	17,982	23,976	35,964	41,958	41,958	47,952	41,958	35,964	23,976	17,982	11,988
B12	Shrubs	Low	6.66	0.63	Spray	Minutes per Cycle	4	5	7	10	11	12	13	12	10	8	5	4
						Days per Month	5	5	5	5	5	5	5	5	5	5	5	5
						Cycles per Day	3	3	3	3	3	3	3	3	3	3	3	3
						Days Per Week (max)	2	2	2	2	2	2	2	2	2	2	2	2
						Total Minutes per Month	60	75	105	150	165	180	195	180	150	120	75	60
						Total Gallons	400	500	699	999	1,099	1,199	1,299	1,199	999	799	500	400
B13	Shrubs	Low	10.1	0.6	Spray	Minutes per Cycle	4	5	7	10	12	13	13	13	10	8	5	4
						Days per Month	5	5	5	5	5	5	5	5	5	5	5	5
						Cycles per Day	3	3	3	3	3	3	3	3	3	3	3	3
						Days Per Week (max)	2	2	2	2	2	2	2	2	2	2	2	2
						Total Minutes per Month	60	75	105	150	180	195	195	195	150	120	75	60
						Total Gallons	606	758	1,061	1,515	1,818	1,970	1,970	1,970	1,515	1,212	758	606
B14	Trees	Medium	4.5	1.7	Bubbler	Minutes per Cycle	2	2	3	4	4	5	5	5	4	3	2	2
						Days per Month	12	12	12	12	12	12	12	12	12	12	12	12
						Cycles per Day	3	3	3	3	3	3	3	3	3	3	3	3
						Days Per Week (max)	3	3	3	3	3	3	3	3	3	3	3	3
						Total Minutes per Month	72	72	108	144	144	180	180	180	144	108	72	72
						Total Gallons	324	324	486	648	648	810	810	810	648	486	324	324
B15	Turf	High	66.6	1.02	Spray	Minutes per Cycle	2	3	4	6	6	7	7	7	6	4	3	2
						Days per Month	22	22	22	22	22	22	22	22	22	22	22	22
						Cycles per Day	3	3	3	3	3	3	3	3	3	3	3	3
						Days Per Week (max)	6	6	6	6	6	6	6	6	6	6	6	6
						Total Minutes per Month	132	198	264	396	396	462	462	462	396	264	198	132
						Total Gallons	8,791	13,187	17,582	26,374	26,374	30,769	30,769	30,769	26,374	17,582	13,187	8,791
B16	Trees	Low	14	1.7	Bubbler	Minutes per Cycle	2	2	3	4	4	5	5	5	4	3	2	2
						Days per Month	5	5	5	5	5	5	5	5	5	5	5	5
						Cycles per Day	3	3	3	3	3	3	3	3	3	3	3	3
						Days Per Week (max)	2	2	2	2	2	2	2	2	2	2	2	2
						Total Minutes per Month	30	30	45	60	60	75	75	75	60	45	30	30
						Total Gallons	420	420	630	840	840	1,050	1,050	1,050	840	630	420	420
B17	Turf	High	55.5	0.83	Spray	Minutes per Cycle	3	4	5	7	8	9	9	9	7	6	4	3
						Days per Month	21	21	21	21	21	21	21	21	21	21	21	21
						Cycles per Day	3	3	3	3	3	3	3	3	3	3	3	3
						Days Per Week (max)	6	6	6	6	6	6	6	6	6	6	6	6
						Total Minutes per Month	189	252	315	441	504	567	567	567	441	378	252	189
						Total Gallons	10,490	13,986	17,483	24,476	27,972	31,469	31,469	31,469	24,476	20,979	13,986	10,490
B18	Turf	High	44.4	0.43	Spray	Minutes per Cycle	5	6	10	13	15	17	18	17	13	10	7	5
						Days per Month	21	21	21	21	21	21	21	21	21	21	21	21
						Cycles per Day	3	3	3	3	3	3	3	3	3	3	3	3
						Days Per Week (max)	6	6	6	6	6	6	6	6	6	6	6	6
						Total Minutes per Month	315	378	630	819	945	1,071	1,134	1,071	819	630	441	315
						Total Gallons	23,976	27,972	43,956	59,940	67,932	75,924	79,920	75,924	59,940	47,952	31,968	23,976
B19	Turf	High	66.6	0.4	Spray	Minutes per Cycle	6	7	11	15	17	19	20	19	15	12	8	6
						Days per Month	20	20	20	20	20	20	20	20	20	20	20	20
						Cycles per Day	3	3	3	3	3	3	3	3	3	3	3	3
						Days Per Week (max)	5	5	5	5	5	5	5	5	5	5	5	5
						Total Minutes per Month	360	420	660	900	1,020	1,140	1,200	1,140	900	720	480	360
						Total Gallons	23,976	27,972	43,956	59,940	67,932	75,924	79,920	75,924	59,940	47,952	31,968	23,976

Valve No.	Description	Plant Water Use (WUCOLS)	GPM Flow	Precip Rate	Irrigation Method	Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
						Stockton	0.8	1.5	2.9	4.7	6.2	7.4	8.1	6.8	5.3	3.2	1.4	0.6
						% of July ETo	28%	34%	52%	74%	86%	97%	100%	95%	74%	57%	37%	28%
B20	Shrubs	Low	6.31	0.46	Spray	Minutes per Cycle	5	6	9	13	15	17	17	17	13	10	7	5
						Days per Month	5	5	5	5	5	5	5	5	5	5	5	5
						Cycles per Day	3	3	3	3	3	3	3	3	3	3	3	3
						Days Per Week (max)	2	2	2	2	2	2	2	2	2	2	2	2
						Total Minutes per Month	75	90	135	195	225	255	255	255	195	150	105	75
						Total Gallons	473	568	852	1,230	1,420	1,609	1,609	1,609	1,230	947	663	473
B21	Shrubs	Low	17.7	1.18	Spray	Minutes per Cycle	2	2	3	5	5	6	6	6	5	4	3	2
						Days per Month	6	6	6	6	6	6	6	6	6	6	6	6
						Cycles per Day	3	3	3	3	3	3	3	3	3	3	3	3
						Days Per Week (max)	2	2	2	2	2	2	2	2	2	2	2	2
						Total Minutes per Month	36	36	54	90	90	108	108	108	90	72	54	36
						Total Gallons	637	637	956	1,593	1,593	1,912	1,912	1,912	1,593	1,274	956	637
B22	Turf	High	103	1.11	Spray	Minutes per Cycle	2	3	4	6	7	7	8	7	6	4	3	2
						Days per Month	20	20	20	20	20	20	20	20	20	20	20	20
						Cycles per Day	3	3	3	3	3	3	3	3	3	3	3	3
						Days Per Week (max)	5	5	5	5	5	5	5	5	5	5	5	5
						Total Minutes per Month	120	180	240	360	420	420	480	420	360	240	180	120
						Total Gallons	12,360	18,540	24,720	37,080	43,260	43,260	49,440	43,260	37,080	24,720	18,540	12,360
B23	Trees	Low	23.5	1.7	Bubbler	Minutes per Cycle	2	2	3	4	4	5	5	5	4	3	2	2
						Days per Month	5	5	5	5	5	5	5	5	5	5	5	5
						Cycles per Day	3	3	3	3	3	3	3	3	3	3	3	3
						Days Per Week (max)	2	2	2	2	2	2	2	2	2	2	2	2
						Total Minutes per Month	30	30	45	60	60	75	75	75	60	45	30	30
						Total Gallons	705	705	1,058	1,410	1,410	1,763	1,763	1,763	1,410	1,058	705	705
B24	Shrubs	Low	17.7	1.18	Spray	Minutes per Cycle	2	2	3	5	5	6	6	6	5	4	3	2
						Days per Month	6	6	6	6	6	6	6	6	6	6	6	6
						Cycles per Day	3	3	3	3	3	3	3	3	3	3	3	3
						Days Per Week (max)	2	2	2	2	2	2	2	2	2	2	2	2
						Total Minutes per Month	36	36	54	90	90	108	108	108	90	72	54	36
						Total Gallons	637	637	956	1,593	1,593	1,912	1,912	1,912	1,593	1,274	956	637
B25	Trees	Low	7	1.7	Bubbler	Minutes per Cycle	2	2	3	4	4	5	5	5	4	3	2	2
						Days per Month	5	5	5	5	5	5	5	5	5	5	5	5
						Cycles per Day	3	3	3	3	3	3	3	3	3	3	3	3
						Days Per Week (max)	2	2	2	2	2	2	2	2	2	2	2	2
						Total Minutes per Month	30	30	45	60	60	75	75	75	60	45	30	30
						Total Gallons	210	210	315	420	420	525	525	525	420	315	210	210
B26	Shrubs	Low	6.42	0.94	Spray	Minutes per Cycle	2	3	4	6	6	7	7	7	6	4	3	2
						Days per Month	6	6	6	6	6	6	6	6	6	6	6	6
						Cycles per Day	3	3	3	3	3	3	3	3	3	3	3	3
						Days Per Week (max)	2	2	2	2	2	2	2	2	2	2	2	2
						Total Minutes per Month	36	54	72	108	108	126	126	126	108	72	54	36
						Total Gallons	231	347	462	693	693	809	809	809	693	462	347	231
B27	Turf	High	93	1.21	Spray	Minutes per Cycle	2	3	4	5	6	6	7	6	5	4	3	2
						Days per Month	21	21	21	21	21	21	21	21	21	21	21	21
						Cycles per Day	3	3	3	3	3	3	3	3	3	3	3	3
						Days Per Week (max)	6	6	6	6	6	6	6	6	6	6	6	6
						Total Minutes per Month	126	189	252	315	378	378	441	378	315	252	189	126
						Total Gallons	11,718	17,577	23,436	29,295	35,154	35,154	41,013	35,154	29,295	23,436	17,577	11,718
B28	Trees	Low	4	1.7	Bubbler	Minutes per Cycle	2	2	3	4	4	5	5	5	4	3	2	2
						Days per Month	5	5	5	5	5	5	5	5	5	5	5	5
						Cycles per Day	3	3	3	3	3	3	3	3	3	3	3	3
						Days Per Week (max)	2	2	2	2	2	2	2	2	2	2	2	2
						Total Minutes per Month	30	30	45	60	60	75	75	75	60	45	30	30
						Total Gallons	120	120	180	240	240	300	300	300	240	180	120	120
B29	Trees	Medium	3	1.7	Bubbler	Minutes per Cycle	2	2	3	4	4	5	5	5	4	3	2	2
						Days per Month	18	18	18	18	18	18	18	18	18	18	18	18
						Cycles per Day	2	2	2	2	2	2	2	2	2	2	2	2
						Days Per Week (max)	5	5	5	5	5	5	5	5	5	5	5	5
						Total Minutes per Month	72	72	108	144	144	180	180	180	144	108	72	72
B30	Turf	High	130	0.53	Spray	Minutes per Cycle	4	5	8	11	13	14	15	14	11	9	6	4
						Days per Month	31	31	31	31	31	31	31	31	31	31	31	31
						Cycles per Day	2	2	2	2	2	2	2	2	2	2	2	2
						Days Per Week (max)	8	8	8	8	8	8	8	8	8	8	8	8
						Total Minutes per Month	248	310	496	682	806	868	930	868	682	558	372	248
						Total Gallons	32,240	40,300	64,480	88,660	104,780	112,840	120,900	112,840	88,660	72,540	48,360	32,240
B31	Turf	High	112	0.58	Spray	Minutes per Cycle	4	5	8	10	12	13	14	13	10	8	5	4
						Days per Month	30	30	30	30	30	30	30	30	30	30	30	30
						Cycles per Day	2	2	2	2	2	2	2	2	2	2	2	2
						Days Per Week (max)	8	8	8	8	8	8	8	8	8	8	8	8
						Total Minutes per Month	240	300	480	600	720	780	840	780	600	480	300	240
						Total Gallons	26,880	33,600	53,760	67,200	80,640	87,360	94,080	87,360	67,200	53,760	33,600	26,880
B32	Turf	High	112	1.11	Spray	Minutes per Cycle	2	3	4	6	7	7	8	7	6	4	3	2
						Days per Month	30	30	30	30	30	30	30	30	30	30	30	30
						Cycles per Day	2	2	2	2	2	2	2	2	2	2	2	2
						Days Per Week (max)	8	8	8	8	8	8	8	8	8	8	8	8
						Total Minutes per Month	120	180	240	360	420	420	480	420	360	240	180	120
						Total Gallons	13,440	20,160	26,880	40,320	47,040	47,040	53,760	47,040	40,320	26,880	20,160	13,440
B33	Trees	Low	11.5	1.7	Bubbler	Minutes per Cycle	2	2	3	3	4	4	4	4	3	3	2	2
						Days per Month	8	8	8	8	8	8	8	8	8	8	8	8
						Cycles per Day	2	2	2	2	2	2	2	2	2	2	2	2
						Days Per Week (max)	2	2	2	2	2	2	2	2	2	2	2	2
						Total Minutes per Month	32	32	48	48	64	64	64	64	48	48	32	32
						Total Gallons	368	368	552	552	736	736	736	736	552	552	368	368

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JANUARY 5, 2023 CALA PROJECT NO. 21013

MCKINLEY PARK RENOVATIONS PROJECT

IRRIGATION SCHEDULE

PERMIT REVIEW SET

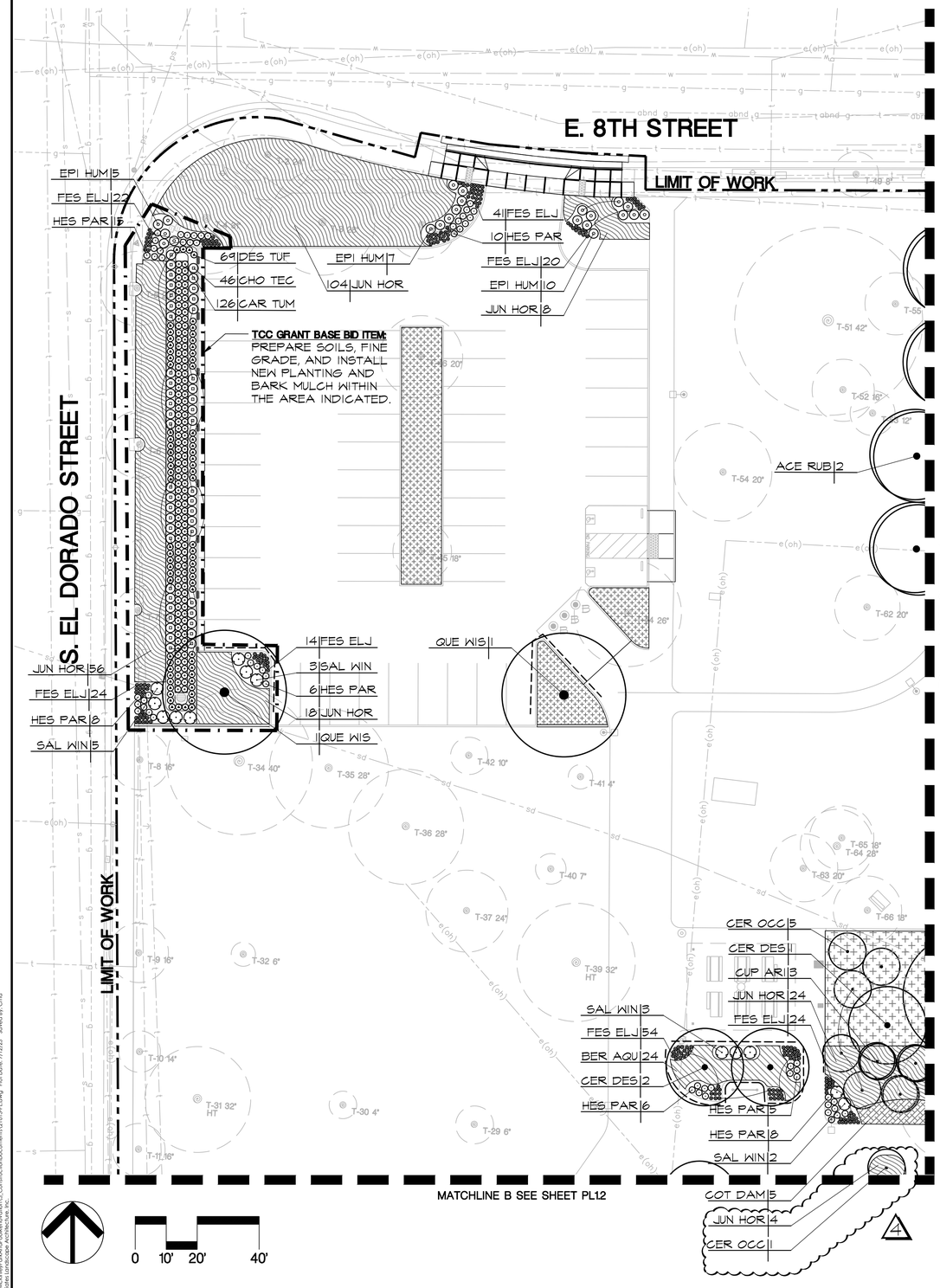
REGISTERED LANDSCAPE ARCHITECT BRIAN W. WOLFRUM No. 5541 Signature May 31, 2024 Renewal Date Date STATE OF CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By
1	RESPONSE TO PERMIT CYCLE 1 COMMENTS	11/14/22		

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE	SHEET NO. IR1.8
DESIGNED BY	DCM		60 OF 156 SHTS.
DRAWN BY	CM		
CHECKED BY	BW	CITY ENGINEER	WR21017 PROJECT NO.
RECORD DWGS.		STOCKTON, CALIFORNIA	

5541.59C



SEE SHEET PL1.1 FOR PLANTING NOTES

PLANT SCHEDULE

TREES	BOTANICAL / COMMON NAME	SIZE	WUCOLS
ACE RUB	ACER RUBRUM 'OCTOBER GLORY' / OCTOBER GLORY RED MAPLE	15 GAL	MED
CER DES	CERCIDIUM X 'DESERT MUSEUM' / DESERT MUSEUM PALO VERDE	15 GAL	LOW
CER OCC	CERCIS OCCIDENTALIS / WESTERN REDBUD MULTI-TRUNK	24" BOX	V LOW
CUP ARI	CUPRESSUS ARIZONICA GLABRA 'BLUE PYRAMID' / BLUE PYRAMID ARIZONA CYPRESS	15 GAL	V LOW
OLE SWA	OLEA EUROPAEA 'SWAN HILL' / SWAN HILL OLIVE	24" BOX	V LOW
QUE LOB	QUERCUS LOBATA / VALLEY OAK	24" BOX	LOW
QUE WIS	QUERCUS WISLIZENII / INTERIOR LIVE OAK	15 GAL	LOW
CHI TAS	X CHITALPA TASHKENTENSIS 'PINK DAWN' / PINK DAWN CHITALPA	15 GAL	LOW

SHRUBS	BOTANICAL / COMMON NAME	SIZE	WUCOLS	SPACING
EPI HUM	EPILOBIUM CANUM / CALIFORNIA FUCHSIA	5 GAL	LOW	36" o.c.
FES ELJ	FESTUCA GLAUCA 'ELIJAH BLUE' / ELIJAH BLUE FESCUE	1 GAL	LOW	12" o.c.
HES PAR	HESPERALOE PARVIFLORA 'PERPA' / BRAKELIGHTS RED YUCCA	5 GAL	LOW	24" o.c.
LOM LON	LOMANDRA LONGIFOLIA 'BREEZE' / BREEZE MAT RUSH	5 GAL	LOW	48" o.c.
OLE EUR	OLEA EUROPAEA 'LITTLE OLLIE' / LITTLE OLLIE OLIVE	5 GAL	LOW	48" o.c.
RHA IND	RHAPHIOLEPIS INDICA 'CLARA' / CLARA INDIAN HAWTHORN	5 GAL	LOW	48" o.c.
SAL WIN	SALVIA CLEVELANDII 'WINIFRED GILLMAN' / WINIFRED GILLMAN CLEVELAND SAGE	5 GAL	LOW	48" o.c.

GROUND COVERS	BOTANICAL / COMMON NAME	SIZE	WUCOLS	SPACING
BER AQU	BERBERIS AQUIFOLIUM REPENS / CREEPING OREGON GRAPE	5 GAL	LOW	48" o.c.
CAR DIV	CAREX DIVULSA / EUROPEAN GREY SEDGE	1 GAL	LOW	24" o.c.
COT DAM	COTONEASTER DAMMERI 'LOWFAST' / LOWFAST BEARBERRY COTONEASTER	5 GAL	LOW	72" o.c.
JUN HOR	JUNIPERUS HORIZONTALIS 'BLUE CHIP' / BLUE CHIP JUNIPER	5 GAL	LOW	60" o.c.

TURF FROM SOD
90/10 TALL FESCUE/KENTUCKY BLUEGRASS MIX

TURF MAINTENANCE TREATMENT: AERATE, OVERSEED, AND TOPDRESS EXISTING TURF AREA PER SPECIFICATIONS. REPLACE ALL TURF AREAS DAMAGED BY TRENCHING AND OTHER CONSTRUCTION ACTIVITIES WITH TURF FROM SOD

BARK MULCH ONLY

ROOT BARRIER (1/PL1.3)

TCC GRANT BASE BID ITEM
SEE NOTE BELOW PLANTING LEGEND REGARDING WORK TO BE COORDINATED WITH THE GREATER VALLEY CONSERVATION CORPS (GVCC)

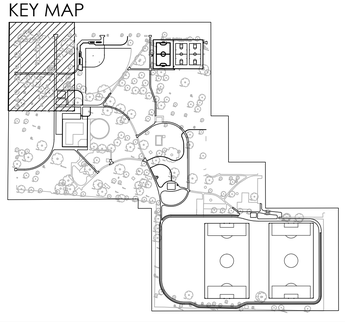
(1/PL1.3) (1/PL1.4) (2/PL1.4)

TCC GRANT BASE BID ITEM:
NOTE: PROJECT FUNDING REQUIRES A PORTION OF WORK TO BE COMPLETED BY THE LOCAL CONSERVATION CORPS. THE CITY HAS CONTRACTED WITH THE GREATER VALLEY CONSERVATION CORPS (GVCC) TO INSTALL NEW PROJECT TREES. CONTRACTOR SHALL COORDINATE, REVIEW WORK PERFORMED BY GVCC, PROVIDE ALLTREES AND MATERIALS RELATED TO TREE PLANTING AND SHALL MAINTAIN AND GUARANTEE ALL PLANTING IN ACCORDANCE WITH THE SPECIFICATIONS. GVCC WILL DIG AND PREPARE PLANT PITS AND PLANT TREES PROVIDED BY THE CONTRACTOR. ALL CONTRACTOR COSTS ASSOCIATED WITH NEW TREES, INCLUDING, BUT NOT LIMITED TO, TREES AND OTHER REQUIRED MATERIALS, COORDINATION WITH GVCC, AND WARRANTEE OF TREE SHALL BE INCLUDED IN THE TCC GRANT BASE BID ITEM.

I AGREE TO COMPLY WITH THE CRITERIA OF THE WATER EFFICIENT LANDSCAPE ORDINANCE AND SUBMIT A COMPLETE LANDSCAPE DOCUMENTATION PACKAGE

SIGNATURE _____ BENJAMIN W. WOODSIDE

KEY MAP



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JANUARY 5, 2023 CALA PROJECT NO. 21013

MCKINLEY PARK RENOVATIONS PROJECT

PLANTING PLAN

PERMIT REVIEW SET

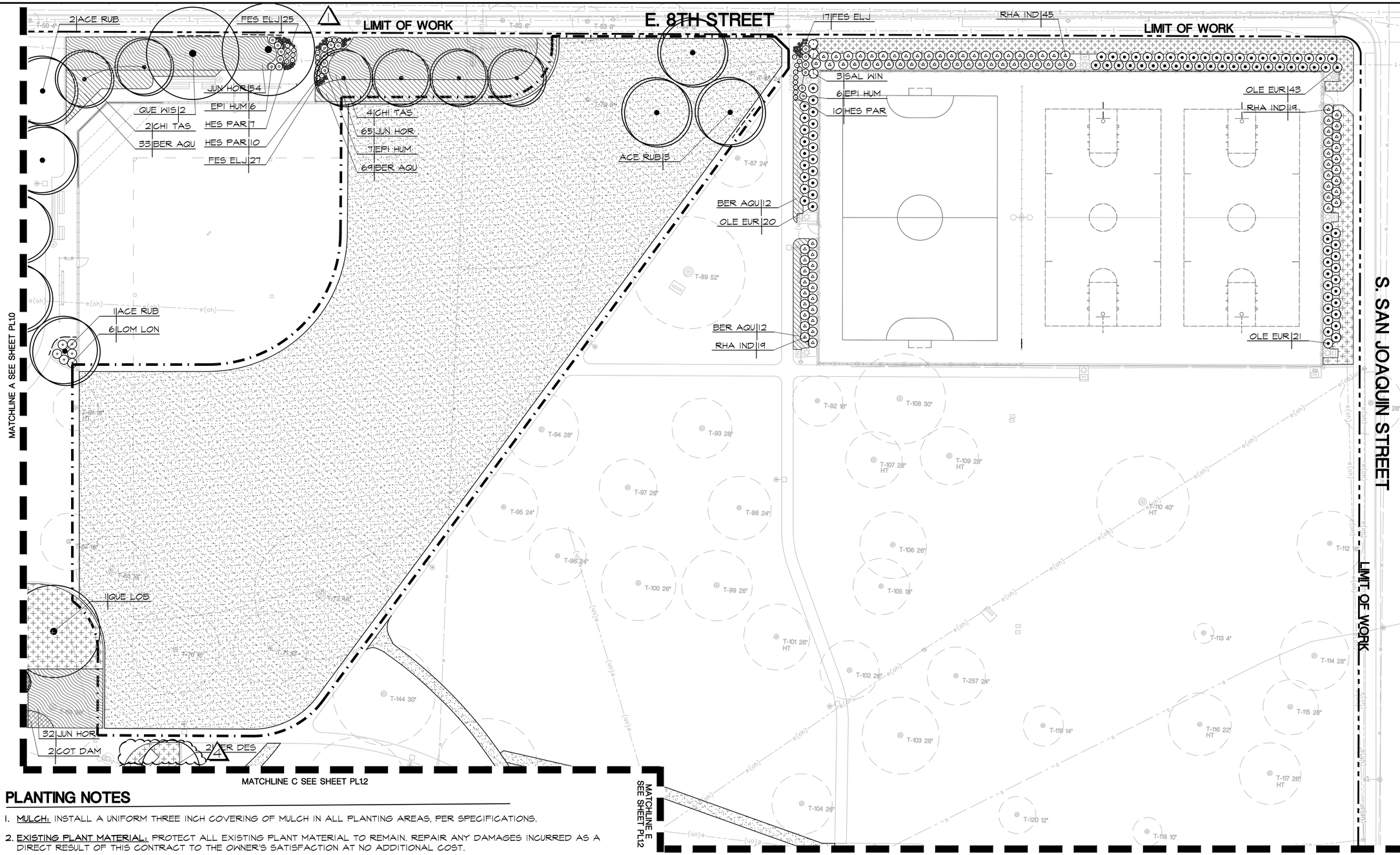
LICENSED LANDSCAPE ARCHITECT BENJAMIN W. WOODSIDE NO. 6432 Signature May 31, 2024 Renewal Date Date STATE OF CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By
1	RESPONSE TO PERMIT CYCLE 1 COMMENTS	11/14/22		
2	TXFR PLACEMENT	04/13/23		

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE	SHEET NO. PL1.0
DESIGNED BY	DCM	CITY ENGINEER	61 OF 156 SHTS
DRAWN BY	CM	STOCKTON, CALIFORNIA	WR21017 PROJECT NO.
CHECKED BY	BW		
RECORD DWGS.			

5541.60C

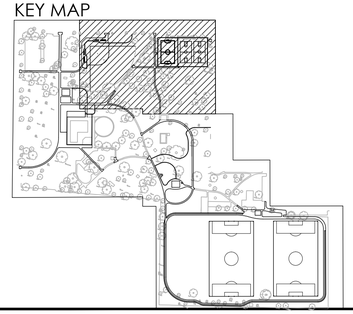


PLANTING NOTES

1. MULCH: INSTALL A UNIFORM THREE INCH COVERING OF MULCH IN ALL PLANTING AREAS, PER SPECIFICATIONS.
2. EXISTING PLANT MATERIAL: PROTECT ALL EXISTING PLANT MATERIAL TO REMAIN. REPAIR ANY DAMAGES INCURRED AS A DIRECT RESULT OF THIS CONTRACT TO THE OWNER'S SATISFACTION AT NO ADDITIONAL COST.
3. GROUNDCOVER: PROVIDE GROUNDCOVER AT INDICATED ON-CENTER SPACING THROUGHOUT ALL AREAS TO BE PLANTED. GROUNDCOVER SHALL BE PROVIDED UP TO THE WATERING BASIN OF ALL TREES AND SHRUBS.
4. QUANTITIES: THE QUANTITIES SHOWN ON THE LABELS ARE NOT TO BE CONSTRUED AS THE COMPLETE AND ACCURATE LIMITS OF THE CONTRACT. FURNISH AND INSTALL ALL PLANTS SHOWN SCHEMATICALLY ON THE DRAWINGS.
5. SOILS TESTING: SEE SPECIFICATIONS FOR TESTING OF TOPSOIL AND AMENDMENTS. IN ADDITION, CONTRACTOR SHALL SUBMIT A FIVE GALLON SAMPLE OF NATIVE TOPSOIL FROM ANY AREAS PREVIOUSLY COVERED BY PAVING, TO WAYPOINT ANALYTICAL OF ANAHEIM, (714) 282-8777, FOR CONTAMINATION TESTING. TESTING REQUIRES FOUR TO FIVE WEEKS. CONTRACTOR SHALL ALLOW SUFFICIENT TIME FOR TESTING PRIOR TO CONSTRUCTION.
6. TURF REPAIR: CONTRACTOR TO REPLACE ALL TURF DAMAGED AS A RESULT OF CONSTRUCTION ACTIVITIES INCLUDING BUT NOT LIMITED TO IRRIGATION TRENCHING OR EXCAVATION FOR FORMWORK OR CONCRETE PAVEMENT AND CURBS WITH TURF FROM SOD.
7. NEW PLANTERS: PROVIDE IMPORT TOPSOIL TO A DEPTH OF 24" (COMPACTED IN PLACE) IN ALL NEW PREVIOUSLY PAVED, PLANTERS.

SEE SHEET PL1.0 FOR PLANTING SCHEDULE

KEY MAP



0 10' 20' 40'

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PERMIT REVIEW SET

REGISTERED LANDSCAPE ARCHITECT RICHARD W. WORKMAN, JR. Signature May 31, 2024 Renewal Date STATE OF CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By
1	RESPONSE TO PERMIT CYCLE 1 COMMENTS	11/14/22		
2	TXFR PLACEMENT	04/13/23		

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JANUARY 5, 2023 CALA PROJECT NO. 21013

MCKINLEY PARK RENOVATIONS PROJECT

PLANTING PLAN

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE	SHEET NO. PL1.1
DESIGNED BY	DCM		62 OF 156 SHTS
DRAWN BY	CM		
CHECKED BY	BW	CITY ENGINEER	WR21017
RECORD DWGS.		STOCKTON, CALIFORNIA	PROJECT NO.

5541.61C

MATCHLINE B SEE SHEET PL1.0

MATCHLINE C SEE SHEET PL1.1

MATCHLINE E SEE SHEET PL1.3

S. EL DORADO STREET

LIMIT OF WORK

CER DES 3

OLE SWA 3

JUN HOR 42

3 OLE EUR

POOL HOUSE

2 CER DES

3 OLE EUR

5 HES PAR

3 CUP ARI

9 COT DAM

16 CAR DIV

5 HES PAR

POOL

LOM LON 7

COT DAM 38

JUN HOR 22

CER DES 2

39 OLE EUR

QUE WIS 3

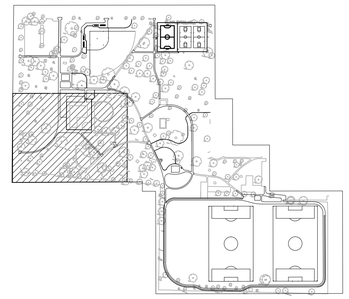
3 QUE LOB

T-27 10"
T-28 4"
T-12 16"
T-26 14"
T-24 6"
T-25 14"
T-23 5"
T-22 42"
T-13 16"
T-21 16" HT
T-20 22" HT
T-14 12"
T-19 33" HT
T-15 24"
T-192 36"
T-191 6"
T-190 14"
T-18 20" HT
T-189 22"
T-16 28"
T-17 20"
T-188 14"
T-187 20"
T-186 16"
T-185 44"
T-184 26"
T-183 36"
T-182 18"
T-181 44"
T-180 18"
T-179 20"
T-178 18"
T-176 42"
T-145 26"
T-142 24"
T-147 32" HT
T-146 24"
T-148 24"
T-153 18"
T-154
T-149 24"
T-155 24"
T-152 30"
T-151 20"
T-150 24"
T-173 32"
T-172 20"
T-171 14"
T-170 14"
T-177 48"
T-178 40"
T-169 14"
T-168 18"
T-166 18"

LIMIT OF WORK

PERMIT REVIEW SET

KEY MAP



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JANUARY 5, 2023 CALA PROJECT NO. 21013

MCKINLEY PARK RENOVATIONS PROJECT

PLANTING PLAN

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN
DESIGNED BY	DCM
DRAWN BY	CM
CHECKED BY	BW
RECORD DWGS.	

APPROVED BY: 7/24/23
DATE
CITY ENGINEER
STOCKTON, CALIFORNIA

SHEET NO. PL1.2
63 OF 156 SHTS
WR21017 PROJECT NO.

SEE SHEET PL1.0 FOR PLANTING SCHEDULE
SEE SHEET PL1.1 FOR PLANTING NOTES

0 10' 20' 40'

LICENSED LANDSCAPE ARCHITECT
RICHARD W. WORDEKE NO. 5541
Signature
May 31, 2024
Renewal Date
Date
STATE OF CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By
1	RESPONSE TO PERMIT CYCLE 1 COMMENTS	11/14/22		
2	TXFR PLACEMENT	04/13/23		

5541.62C

MATCHLINE D SEE SHEET PL1.1

MATCHLINE E SEE SHEET PL1.2

S. SAN JOAQUIN STREET

LIMIT OF WORK

E. 9TH STREET

ACE RUB|4
27|HES PAR
GER OCC|3
17|FES ELJ
5|COT DAM
10|SAL WIN
29|BER AQU
30|FES ELJ
1|QUE WIS
93|FES ELJ
5|SAL WIN
11|HES PAR
RHA IND|8
9|HES PAR
BER AQU|9
FES ELJ|14
SAL WIN|10
QUE LOB|1
HES PAR|2
SAL WIN|5
BER AQU|25
OLE SWA|7
CER OCC|6
CER OCC|6
CHI TAS|3
5|CER OCC
6|CHI TAS
2|CER OCC

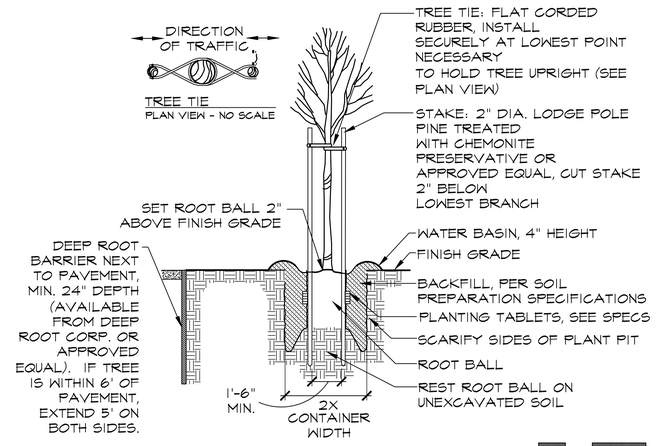
MATCHLINE F SEE SHEET PL1.4

MATCHLINE H SEE SHEET PL1.5

MATCHLINE I SEE SHEET PL1.5

SEE SHEET PL1.0 FOR PLANTING SCHEDULE
SEE SHEET PL1.1 FOR PLANTING NOTES

0 10' 20' 40'

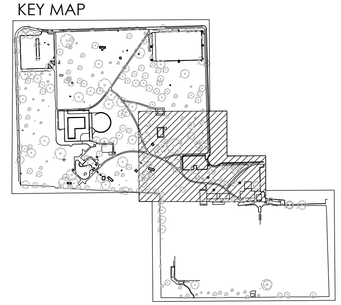


1 PL1.3 **TREE PLANTING** SECTION

0 1' 2' 4'

329300_TreeStaking3_32.dwg

KEY MAP



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JANUARY 5, 2023 CALA PROJECT NO. 21013

MCKINLEY PARK RENOVATIONS PROJECT

PLANTING PLAN

PERMIT REVIEW SET

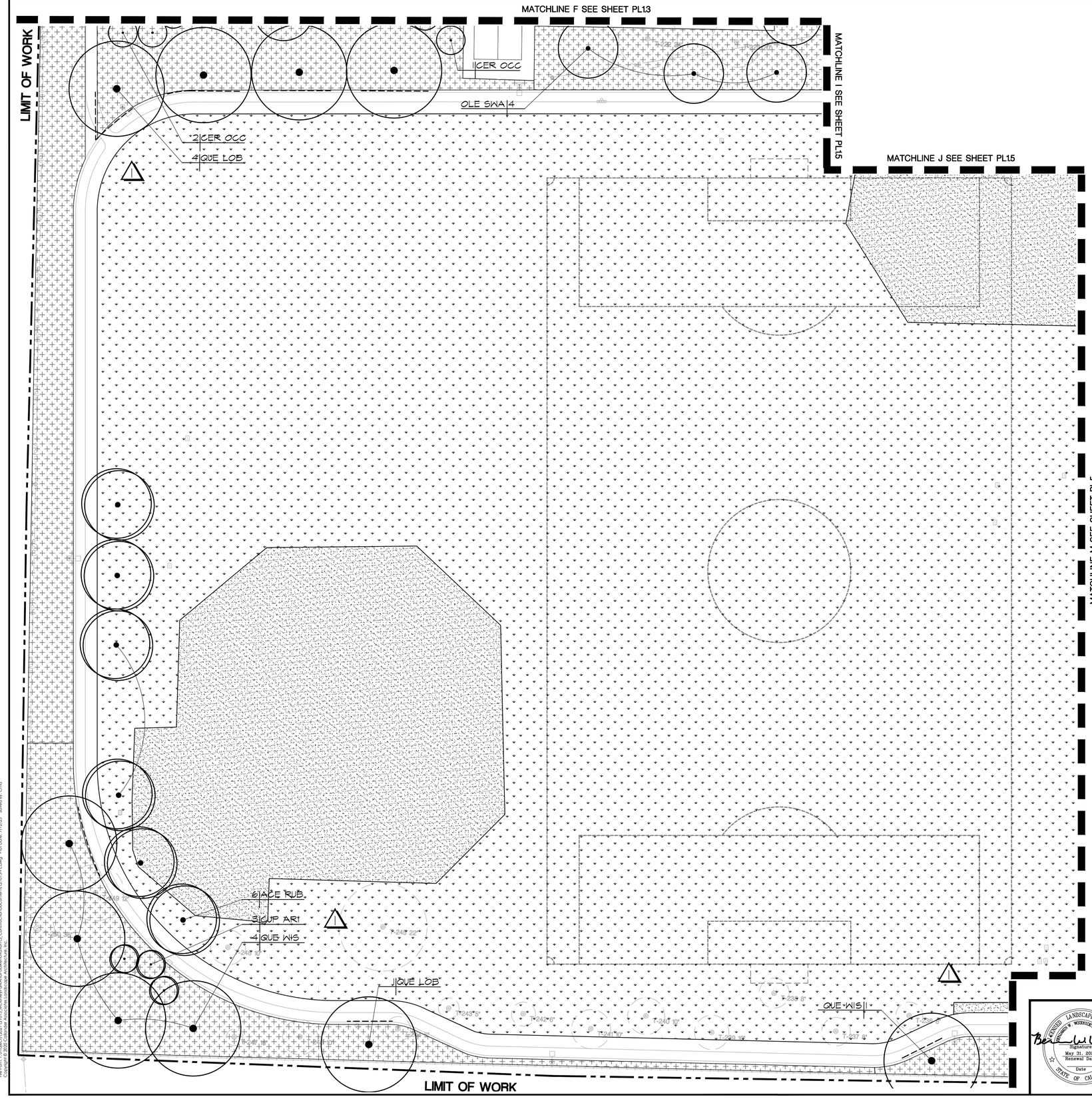
RICHARD W. WORRISE, RLA LANDSCAPE ARCHITECT STATE OF CALIFORNIA
Signature
May 31, 2024
Renewal Date
Date

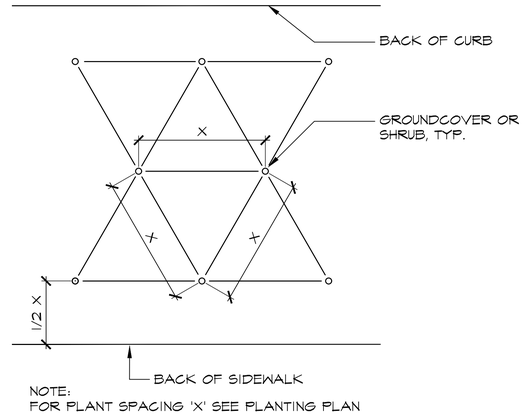
Revision No.	Description	Date	By	Aprvd. By
1	RESPONSE TO PERMIT CYCLE 1 COMMENTS	11/14/22		

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE	SHEET NO. PL1.3
DESIGNED BY	DCM		64 OF 156 SHTS
DRAWN BY	CM	CITY ENGINEER	WR21017 PROJECT NO.
CHECKED BY	BW	STOCKTON, CALIFORNIA	
RECORD DWGS.			

5541.63C

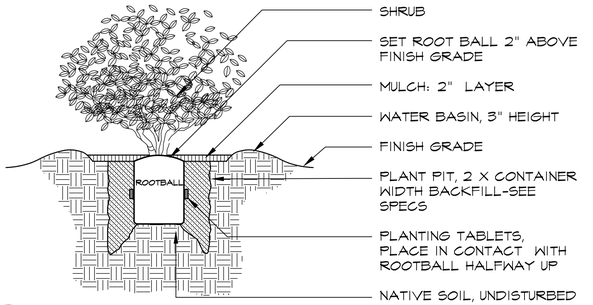




NOTE:
FOR PLANT SPACING 'X' SEE PLANTING PLAN

1 PL1.4 SHRUB/ GROUNDCOVER SPACING
PLAN

324300_GroundcoverSpacing_48.dwg

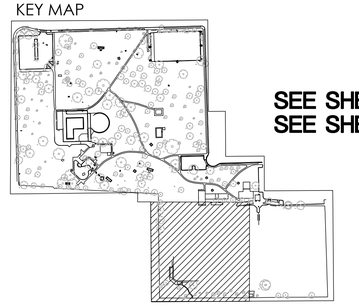


2 PL1.4 SHRUB PLANTING
SECTION

N.T.S.

324300_ShrubPlanting_48.dwg

KEY MAP



SEE SHEET PL1.0 FOR PLANTING SCHEDULE
SEE SHEET PL1.1 FOR PLANTING NOTES

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0 10' 20' 40'

PERMIT REVIEW SET

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JANUARY 5, 2023 CALA PROJECT NO. 21013

MCKINLEY PARK RENOVATIONS PROJECT

PLANTING PLAN

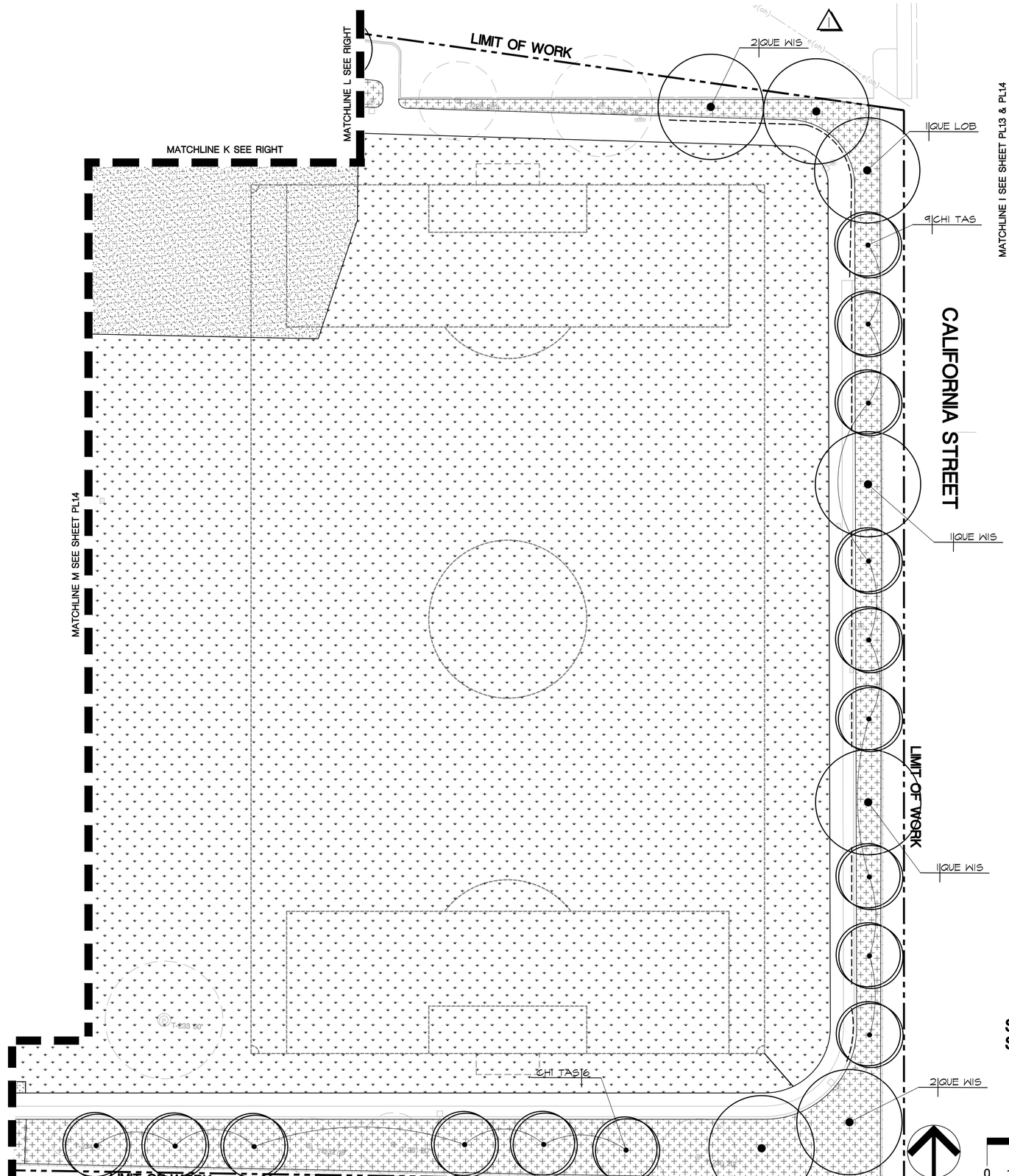
DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

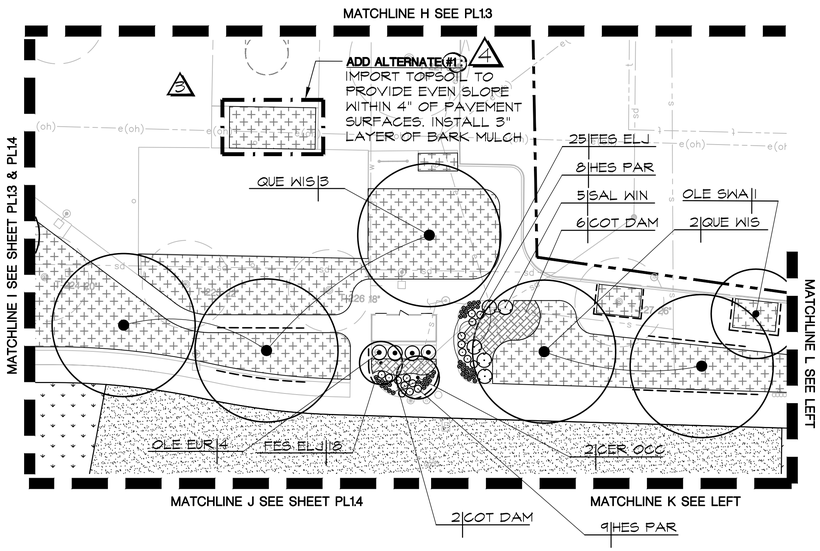
Revision No.	Description	Date	By	Aprvd. By
1	RESPONSE TO PERMIT CYCLE 1 COMMENTS	11/14/22		

REGISTERED LANDSCAPE ARCHITECT BRANDON W. WATKINS, NO. 6466 — Signature — May 31, 2024 Renewal Date — Date — STATE OF CALIFORNIA

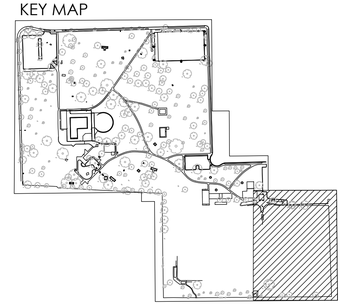
SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE	SHEET NO. PL1.4
DESIGNED BY	DCM		65 OF 156 SHTS
DRAWN BY	CM		
CHECKED BY	BW	CITY ENGINEER	WR21017 PROJECT NO.
RECORD DWGS.		STOCKTON, CALIFORNIA	

5541.64C





KEY MAP



CALL BEFORE YOU DIG USA 800-642-2444

SEE SHEET PL1.0 FOR PLANTING SCHEDULE
SEE SHEET PL1.1 FOR PLANTING NOTES

PERMIT REVIEW SET

0 10' 20' 40'

LICENSED LANDSCAPE ARCHITECT — BENJAMIN W. WOODSIDE, NO. 6065 — Signature — May 31, 2024 Renewal Date — Date — STATE OF CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By
1	RESPONSE TO PERMIT CYCLE 1 COMMENTS	11/14/22		
2	RESPONSE TO PERMIT CYCLE 3 COMMENTS	03/03/23		
3	TXFR PLACEMENT	04/13/23		
4				

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JANUARY 5, 2023 — CALA PROJECT NO. 21013

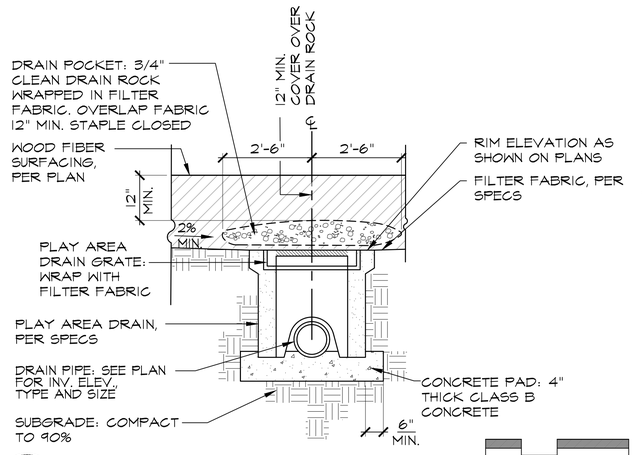
MCKINLEY PARK RENOVATIONS PROJECT

PLANTING PLAN

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

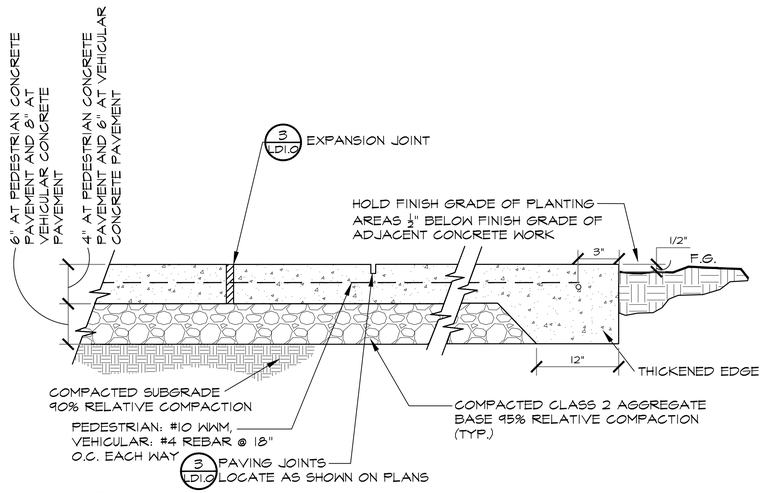
SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE	SHEET NO. PL1.5
DESIGNED BY	DCM	CITY ENGINEER	66 OF 156 SHTS.
DRAWN BY	CM	STOCKTON, CALIFORNIA	WR21017 PROJECT NO.
CHECKED BY	BW		
RECORD DWGS.			

5541.65C



1 LD1.0 **PLAY AREA DRAIN** SECTION

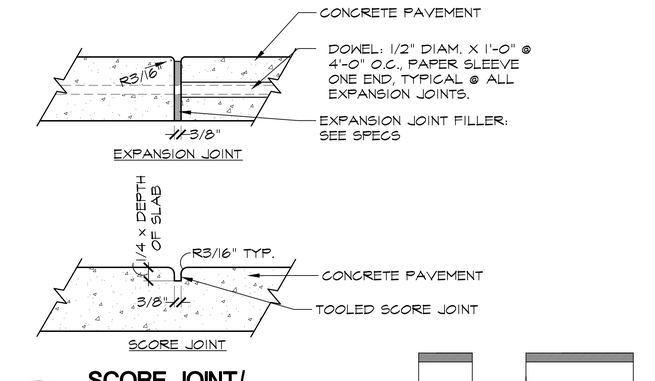
334900_PlayAreaDrain_24.dwg



2 LD1.0 **CONCRETE PAVEMENT** SECTION

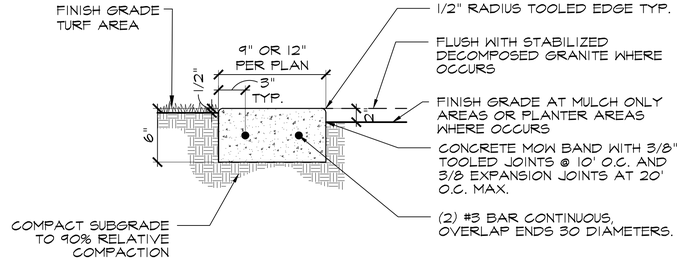
N.T.S.

21013_4BCONCRETEPAVING_CA



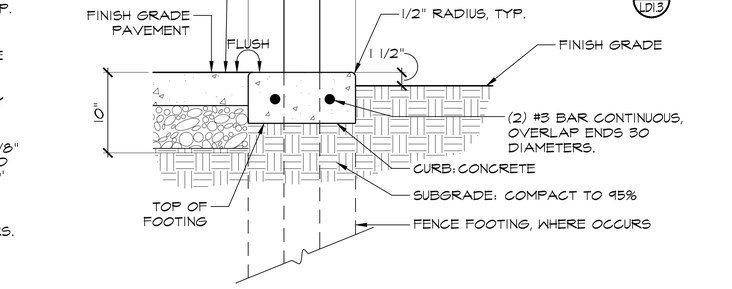
3 LD1.0 **SCORE JOINT/ EXPANSION JOINT** SECTION

321300_ConcreteJoints1_4.dwg



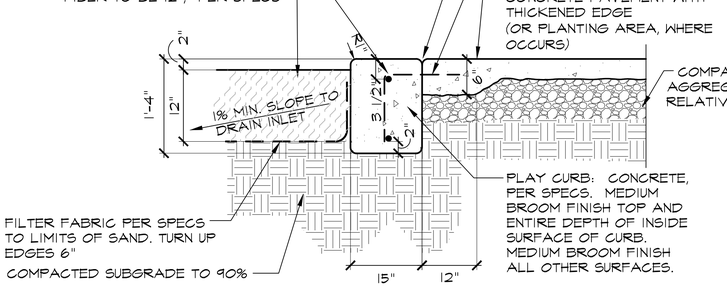
4 LD1.0 **CONCRETE MOWBAND** SECTION

21013_8 CONCRETE MOWBAND_PLAY.DWG



5 LD1.0 **12" MOWBAND AT FENCE** SECTION

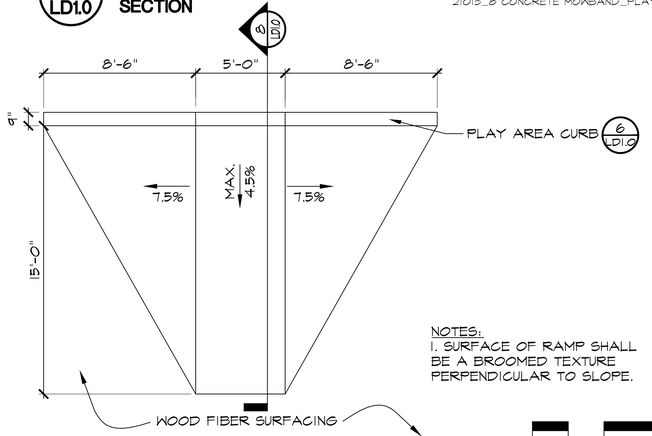
14044 Concrete Curb 1 8.dwg



NOTE:
PROVIDE EXPANSION JOINTS ON CURB @ 15'-0" O.C..

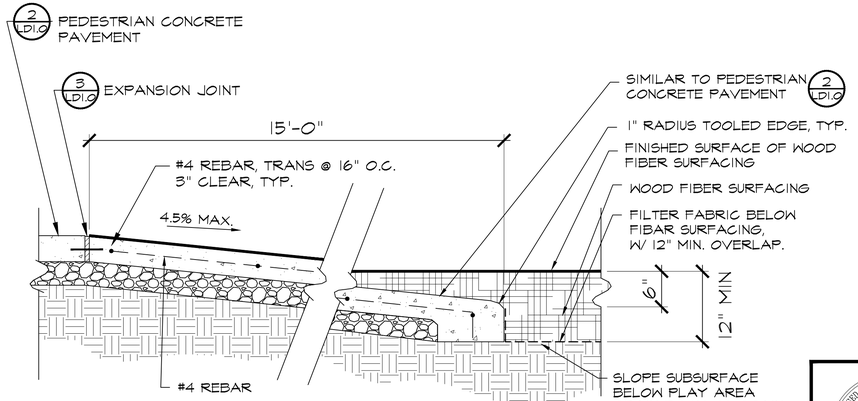
6 LD1.0 **PLAY AREA CURB AND WOOD FIBER** SECTION

321800_PlayAreaCurb1_12.dwg



7 LD1.0 **PLAY AREA RAMP** PLAN

21013_27A_PLAYAREARAMPPLAN_48.dwg



8 LD1.0 **PLAY AREA RAMP** SECTION

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JANUARY 5, 2023 CALA PROJECT NO. 21013

MCKINLEY PARK RENOVATIONS PROJECT

LANDSCAPE DETAILS

PERMIT REVIEW SET

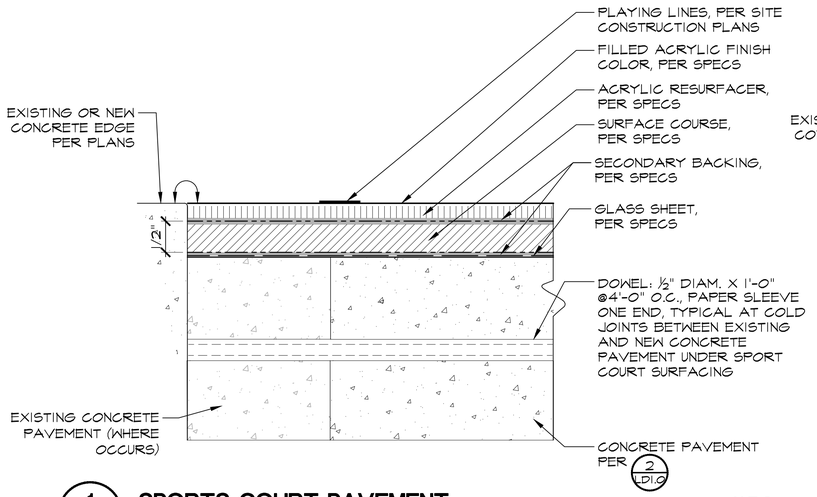
REGISTERED LANDSCAPE ARCHITECT BRENDAN W. WOODSIDE, RLA
Signature
May 31, 2024
Renewal Date
Date
STATE OF CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE	SHEET NO. LD1.0
DESIGNED BY	DCM		67 OF 156 SHTS
DRAWN BY	CM		
CHECKED BY	BW	CITY ENGINEER	WR21017 PROJECT NO.
RECORD DWGS.		STOCKTON, CALIFORNIA	

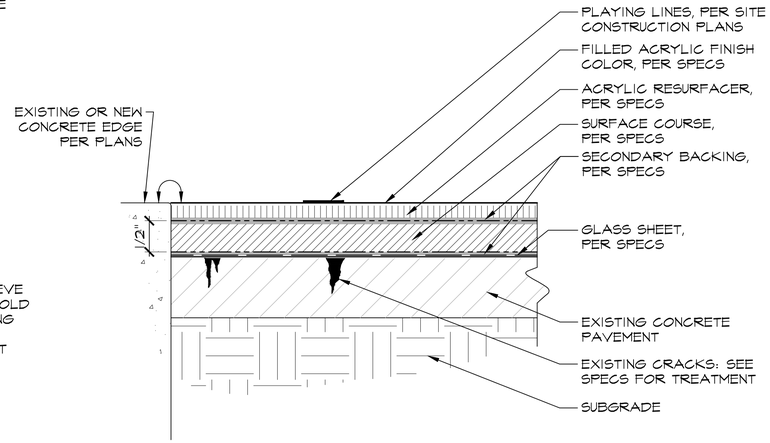
5541.66C



1 LD1.1 SPORTS COURT PAVEMENT
SECTION

N.T.S.

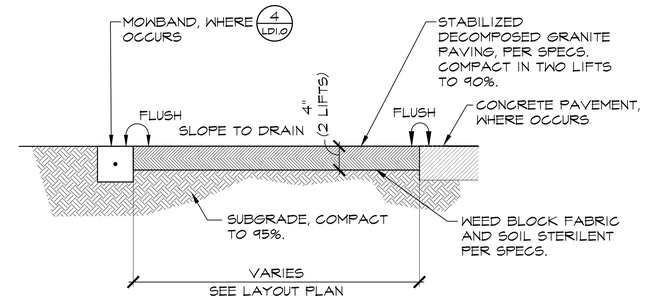
14044tennispaving_3.dwg



2 LD1.1 SPORTS COURT SURFACING OVER EXISTING PAVEMENT
SECTION

N.T.S.

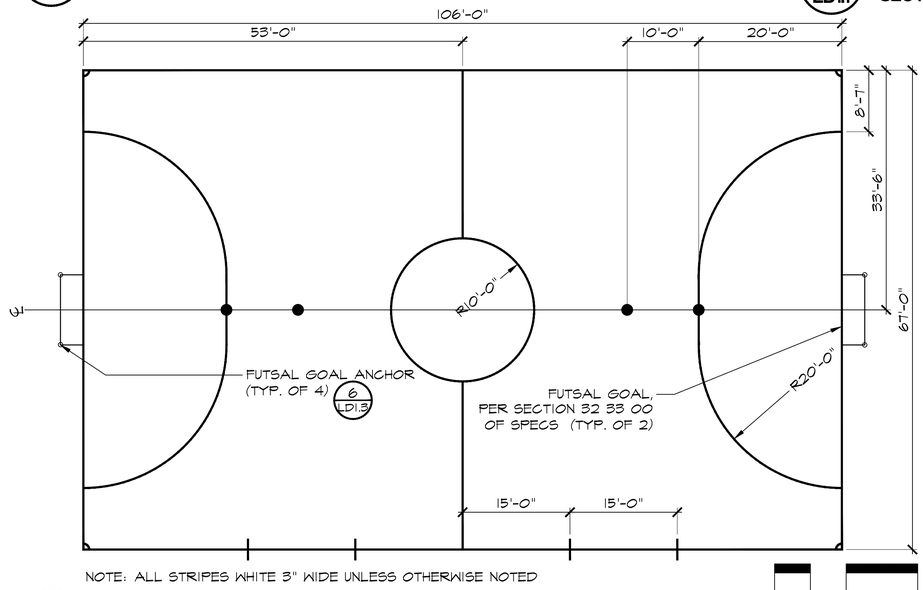
14044tennispaving_3.dwg



3 LD1.1 DECOMPOSED GRANITE PAVEMENT
ADD ALTERNATE NO. X

0 1/2' 1' 2'

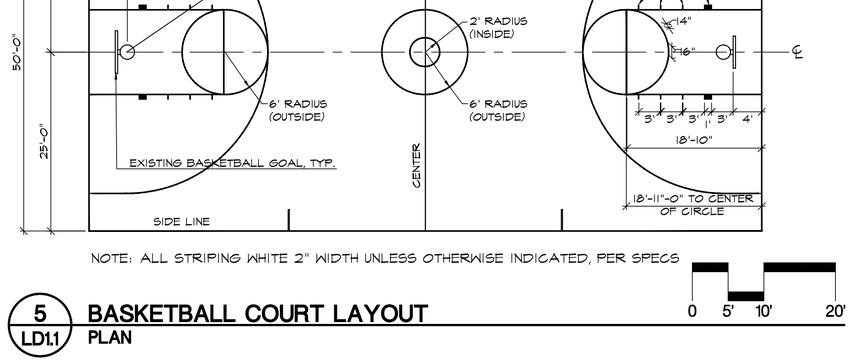
21013_12051_DECOMPOSEDGRANITE.DWG



NOTE: ALL STRIPES WHITE 3" WIDE UNLESS OTHERWISE NOTED

0 5' 10' 20'

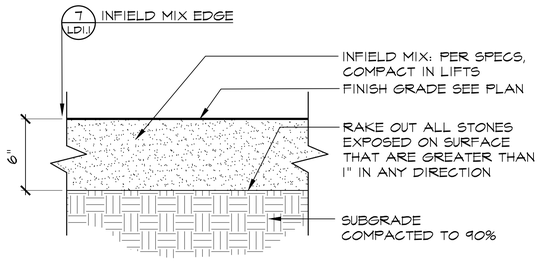
4 LD1.1 FUTSAL COURT LAYOUT
PLAN



NOTE: ALL STRIPING WHITE 2" WIDTH UNLESS OTHERWISE INDICATED, PER SPECS

0 5' 10' 20'

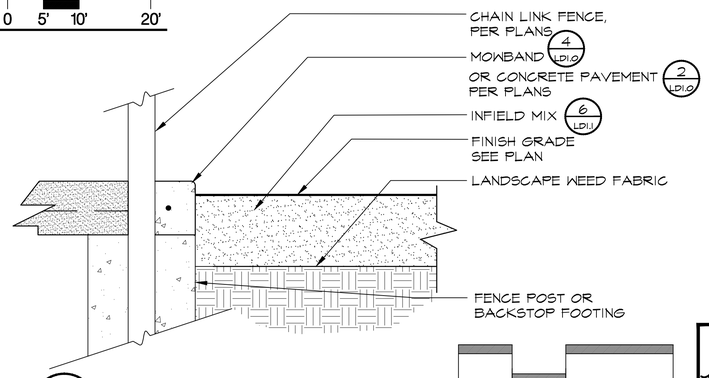
5 LD1.1 BASKETBALL COURT LAYOUT
PLAN



0 1/2' 1' 2'

21013_INFIELDMIX2_8.dwg

6 LD1.1 INFIELD MIX
SECTION



0 1/2' 1' 2'

21013_02T90INFIELD3.dwg

7 LD1.1 INFIELD MIX EDGE

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JANUARY 5, 2023 CALA PROJECT NO. 21013

MCKINLEY PARK RENOVATIONS PROJECT

LANDSCAPE DETAILS

PERMIT REVIEW SET

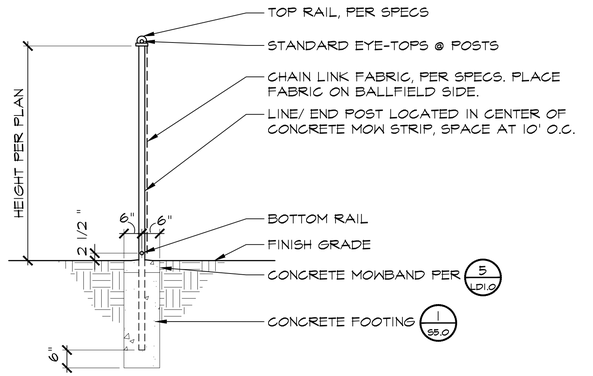
REGISTERED LANDSCAPE ARCHITECT BENJAMIN W. WOODSIDE, JR. Signature May 31, 2024 Renewal Date Date STATE OF CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE	SHEET NO. LD1.1
DESIGNED BY	DCM		68 OF 156 SHTS
DRAWN BY	CM		
CHECKED BY	BW	CITY ENGINEER	WR21017 PROJECT NO.
RECORD DWGS.		STOCKTON, CALIFORNIA	

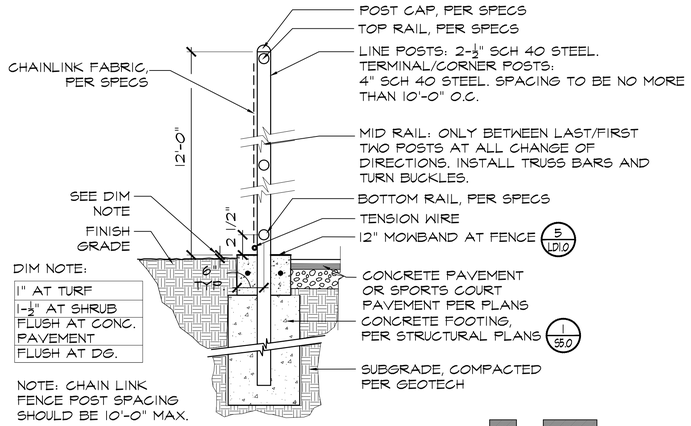
5541.67C



1 / LD1.2 CHAIN LINK FENCE (5FT-8FT)
SECTION

0 1' 2' 4'

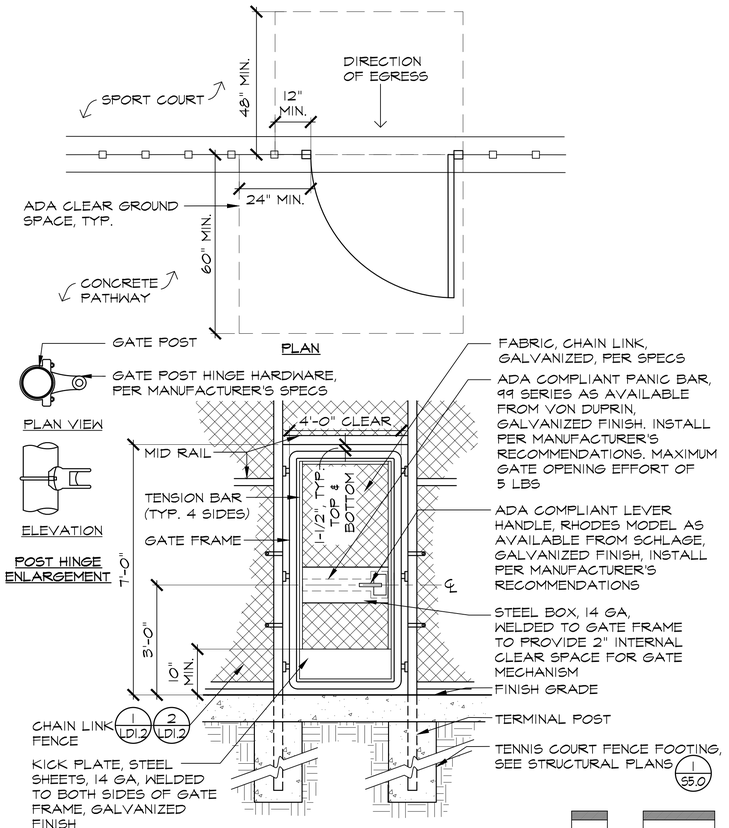
18024_6'BChainLinkFence.dwg



2 / LD1.2 CHAIN LINK FENCE ON MOWBAND
SECTION

0 1/2' 1' 2'

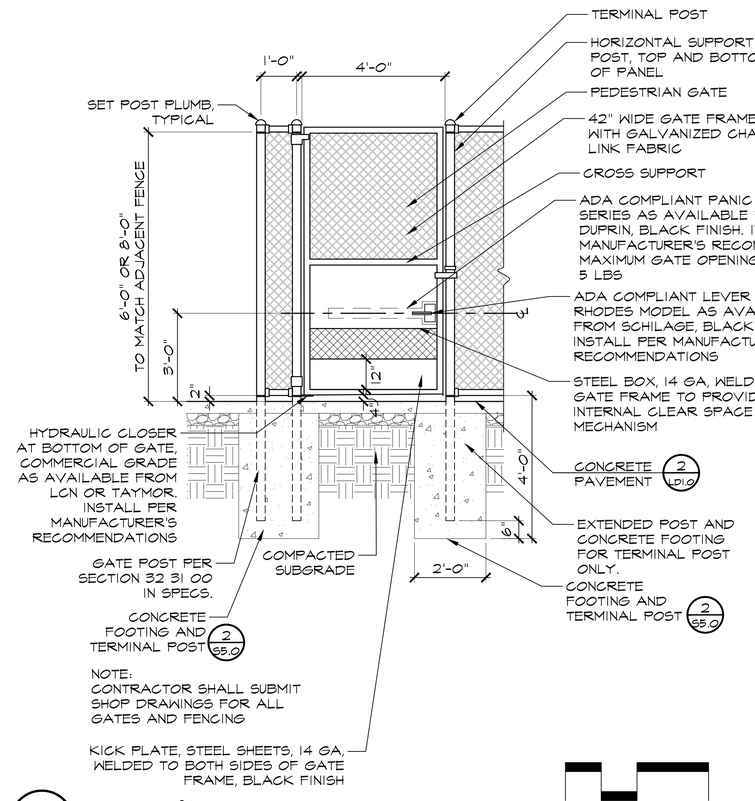
21013 tenfen10.dwg



3 / LD1.2 SPORTS COURT FENCE GATE
SECTION

0 1' 2' 4'

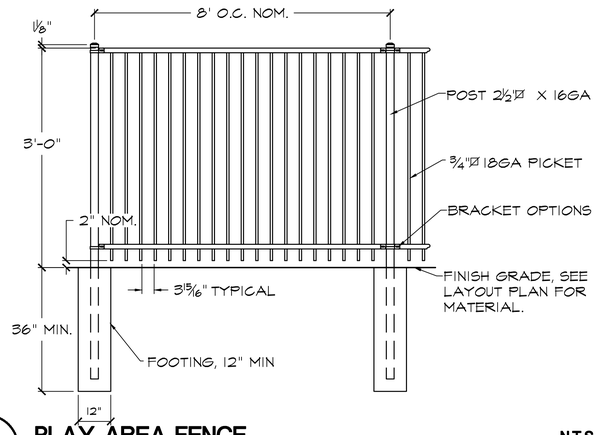
14044 Tennis Court Gate 24.dwg



4 / LD1.2 PLAYER'S GATE
SECTION

0 1' 2' 4'

18024_SingleChainLinkGate.dwg



5 / LD1.2 PLAY AREA FENCE
SECTION N.T.S.

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JANUARY 5, 2023 CALA PROJECT NO. 21013

MCKINLEY PARK RENOVATIONS PROJECT

LANDSCAPE DETAILS

PERMIT REVIEW SET

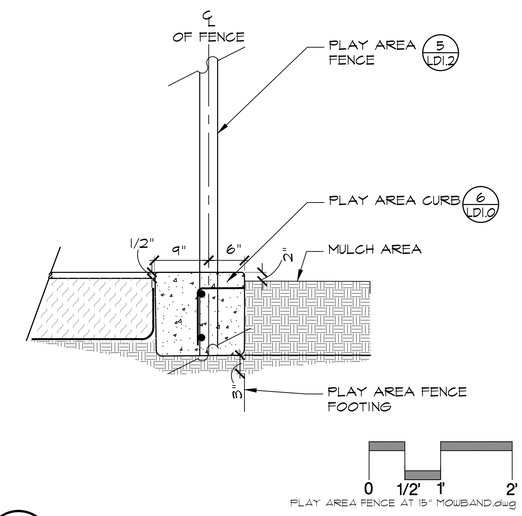
LICENSED LANDSCAPE ARCHITECT BENJAMIN W. WOODSIDE NO. 6130 Signature May 31, 2024 Renewal Date Date STATE OF CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By

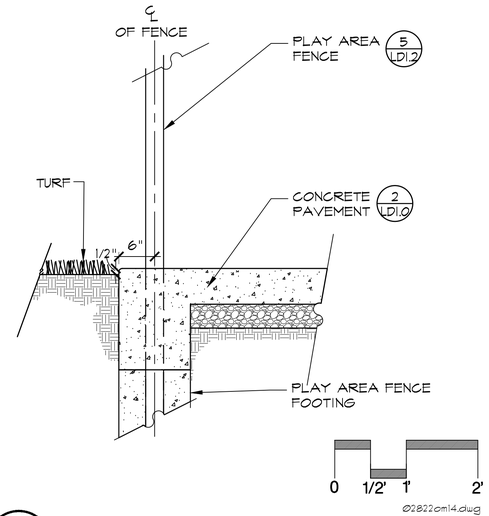
DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE	SHEET NO. LD1.2
DESIGNED BY	DCM		69 OF 156 SHTS
DRAWN BY	CM		
CHECKED BY	BW	CITY ENGINEER	WR21017 PROJECT NO.
RECORD DWGS.		STOCKTON, CALIFORNIA	

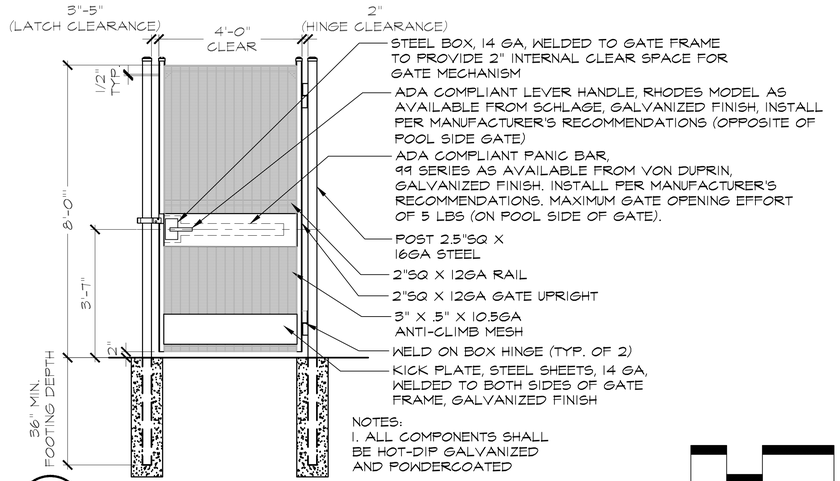
5541.68C



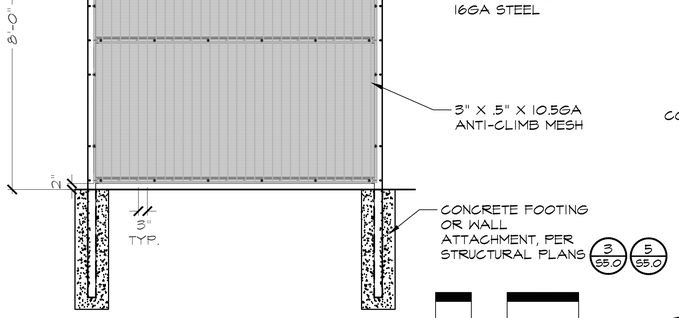
1 LD1.3 PLAY AREA FENCE AT PLAY AREA CURB
SECTION



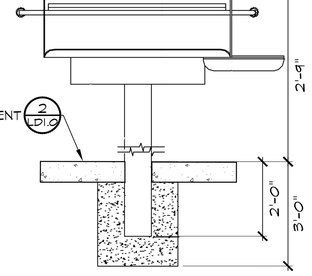
2 LD1.3 PLAY AREA FENCE AT CONCRETE PAVEMENT
SECTION



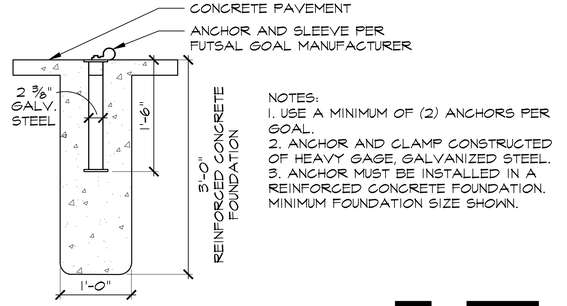
3 LD1.3 POOL AREA FENCE GATE
SECTION



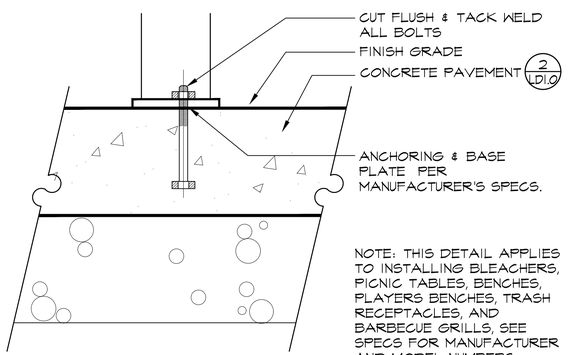
4 LD1.3 POOL AREA FENCE
SECTION



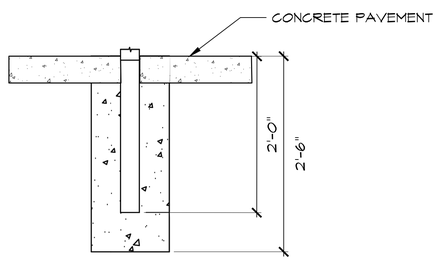
5 LD1.3 BARBEQUE GRILL FOOTING
SECTION
N.T.S.



6 LD1.3 FUTSAL GOAL ANCHOR
SECTION



7 LD1.3 TYPICAL SURFACE MOUNT
SECTION



8 LD1.3 BICYCLE RACK FOOTING
SECTION
N.T.S.

△1

PERMIT REVIEW SET

Revision No.	Description	Date	By	Aprvd. By
1	RESPONSE TO PERMIT CYCLE 1 COMMENTS	11/14/22		

LICENSED LANDSCAPE ARCHITECT — BENJAMIN W. WOODSIDE, NO. 6130 — Signature — May 31, 2024 Renewal Date — Date — STATE OF CALIFORNIA

CALL BEFORE YOU DIG — USA — 800-642-2444

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JANUARY 5, 2023 — CALA PROJECT NO. 21013

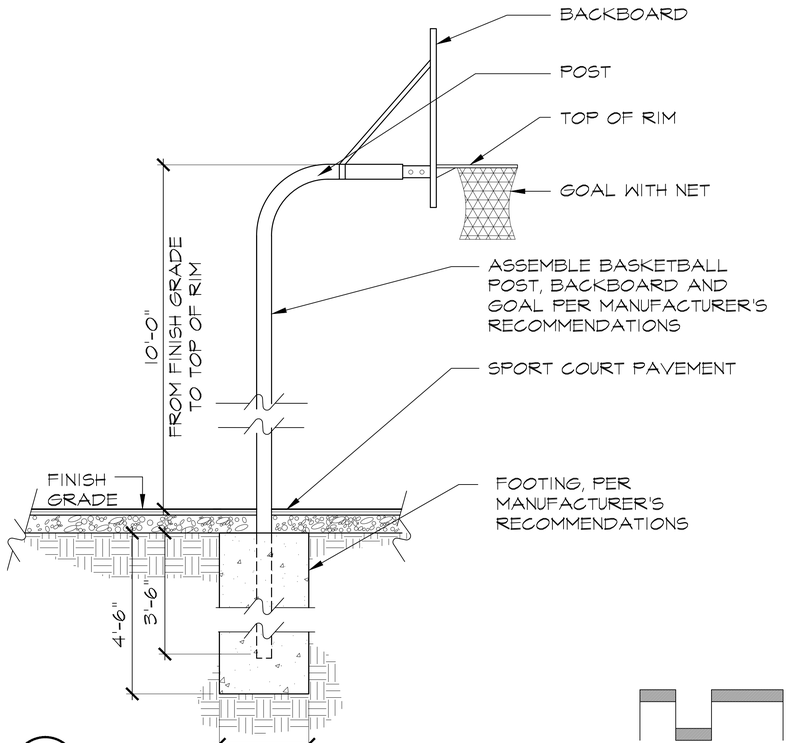
MCKINLEY PARK RENOVATIONS PROJECT

LANDSCAPE DETAILS

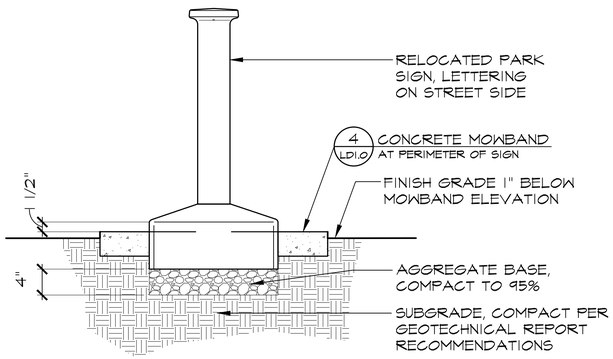
DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE	SHEET NO. LD1.3
DESIGNED BY	DCM		70 OF 156 SHTS
DRAWN BY	CM		
CHECKED BY	BW	CITY ENGINEER	WR21017 PROJECT NO.
RECORD DWGS.		STOCKTON, CALIFORNIA	

5541.69C



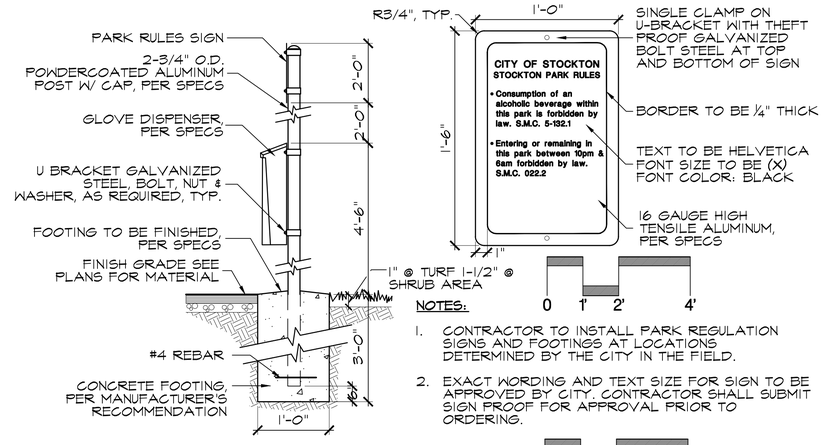
1 LD1.4 BASKETBALL GOAL SECTION



2 LD1.4 PARK SIGN FOOTING SECTION

N.T.S.

stockton-parksign5.dwg



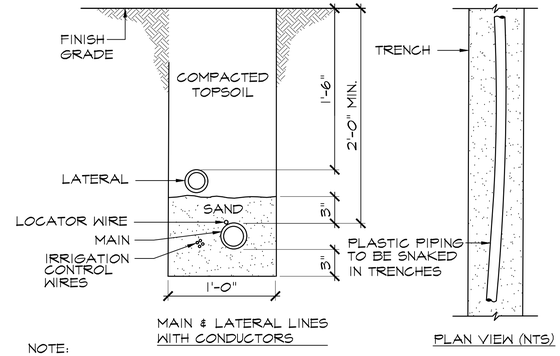
NOTES:

1. CONTRACTOR TO INSTALL PARK REGULATION SIGNS AND FOOTINGS AT LOCATIONS DETERMINED BY THE CITY IN THE FIELD.
2. EXACT WORDING AND TEXT SIZE FOR SIGN TO BE APPROVED BY CITY. CONTRACTOR SHALL SUBMIT SIGN PROOF FOR APPROVAL PRIOR TO ORDERING.

3 LD1.4 PARK RULES SIGN SECTION

0 1/2' 1' 2'

stockton-muttmitt6.dwg

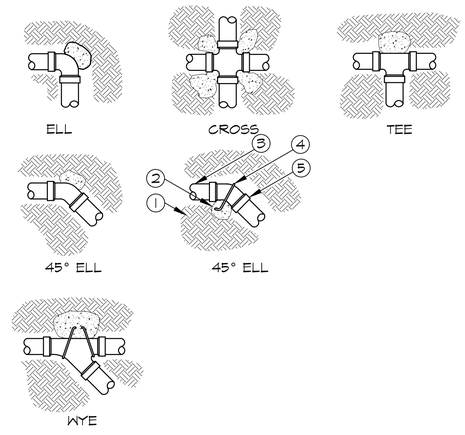


NOTE:
TAPE AND BUNDLE WIRING AT 10'-0" INTERVALS.

4 LD1.4 IRRIGATION PIPE INSTALLATION SECTION

0 1/2' 1' 2'

328400_Trenching_8.dwg



1. UNDISTURBED SOIL (TYPICAL)
2. CONCRETE THRUST BLOCK (TYPICAL)
3. PIPE (TYPICAL)
4. REBAR BENT AROUND FITTING (TYPICAL)
5. FITTING (TYPICAL)

NOTES:

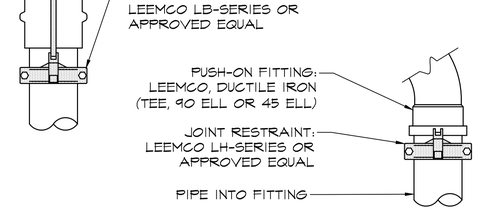
1. SUPPLY LINES 3-INCHES IN DIAMETER AND LARGER SHALL RECEIVE CONCRETE THRUST BLOCKS.
2. SEE SPECIFICATIONS FOR AMOUNT OF CONCRETE TO BE USED FOR THRUST BLOCK.

THRUST BLOCK MINIMUM DIMENSIONS

	90 DEG ELL		CROSS		TEE		45 DEG ELL		WYE	
PIPE SIZE	H	L	H	L	H	L	H	L	H	L
4"	1'-6"	2'-0"	1'-6"	1'-0"	1'-6"	1'-6"	1'-6"	1'-0"	1'-6"	1'-6"

5 LD1.4 THRUST BLOCK SECTION/PLAN

N.T.S.



NOTES:

1. USE JOINT RESTRAINTS ON ALL BELL AND GASKET MAINLINE PIPE. USE THRUST BLOCKS ON ALL SOLVENT WELD MAINLINE PIPE.
2. SIZE OF RESTRAINT TO BE PER PIPE AND FITTING USED.

6 LD1.4 PIPE RESTRAINT FOR 3" MAINLINE AND LARGER SECTION

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JANUARY 5, 2023 CALA PROJECT NO. 21013

MCKINLEY PARK RENOVATIONS PROJECT

LANDSCAPE DETAILS

PERMIT REVIEW SET

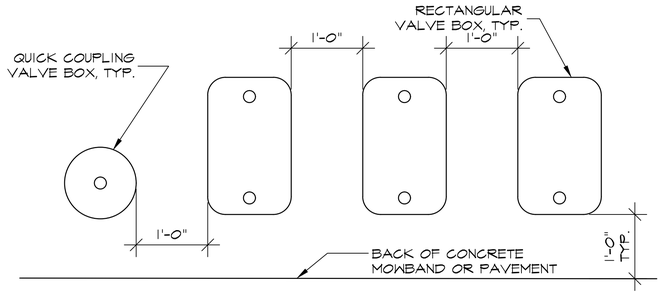
BENJAMIN W. WOODSIDE, NO. 6130 LICENSED LANDSCAPE ARCHITECT
Signature
May 31, 2024
Renewal Date
Date
STATE OF CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By
1	RESPONSE TO PERMIT CYCLE 1 COMMENTS	11/14/22		

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE	SHEET NO. LD1.4
DESIGNED BY	DCM	CITY ENGINEER	71 OF 156 SHTS
DRAWN BY	CM		WR21017
CHECKED BY	BW	STOCKTON, CALIFORNIA	PROJECT NO.
RECORD DWGS.			5541.70C

NOTES:
1. CENTER VALVE BOX OVER REMOTE CONTROL VALVE TO FACILITATE SERVICING VALVE.
2. SET RCV AND VALVE BOX ASSEMBLY IN GROUNDCOVER/SHRUB AREAS.
3. SET BOXES PARALLEL TO EACH OTHER AND PERPENDICULAR TO EDGE OF ADJACENT PAVEMENT
4. AVOID HEAVILY COMPACTING SOIL AROUND VALVE BOXES TO PREVENT COLLAPSE AND DEFORMATION OF VALVE BOXES.

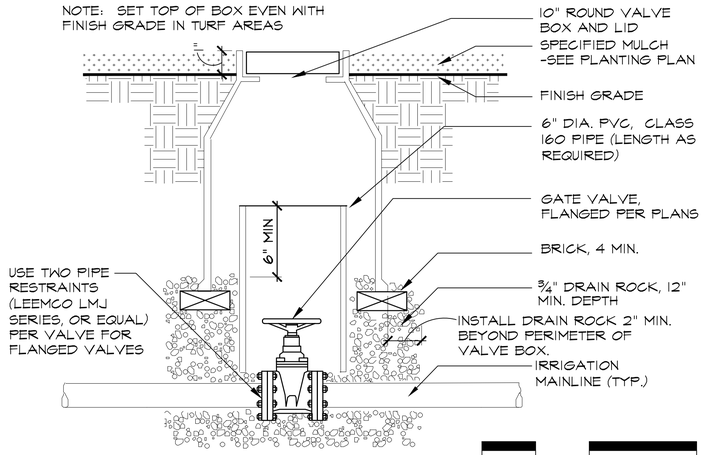


1 LD1.5 VALVE BOX LAYOUT
PLAN

0 1/2' 1' 2'

328400_ValveBoxLayout_12.dwg

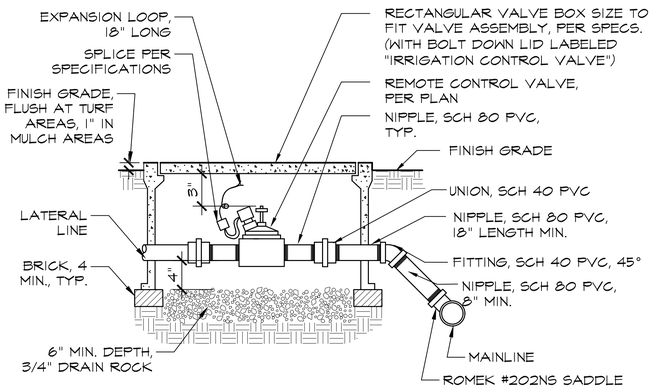
NOTE: SET TOP OF BOX EVEN WITH FINISH GRADE IN TURF AREAS



2 LD1.5 GATE VALVE
SECTION

0 1/4' 1/2' 1'

328400_GateValve2_4.dwg

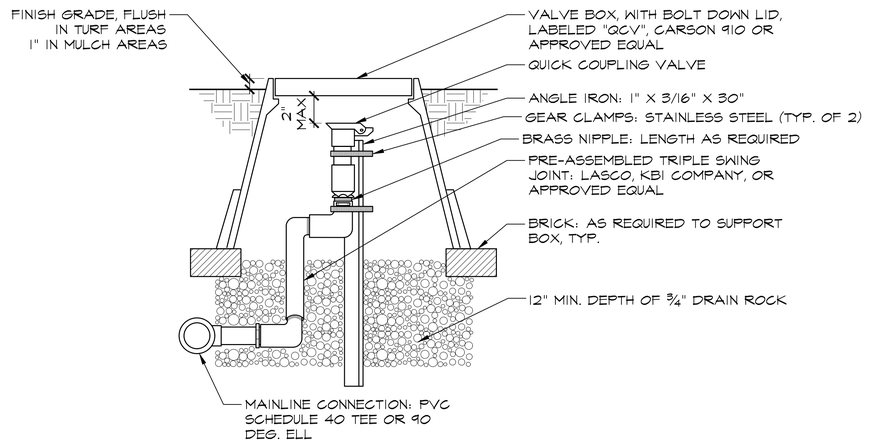


NOTE:
ONE VALVE PER BOX, NO DEBRIS OR SOIL INSIDE BOX. BOX SHALL NOT REST UPON OR TOUCH VALVE, LATERAL, OR MAINLINE AT ANY POINT.

3 LD1.5 REMOTE CONTROL VALVE
SECTION

0 1/4' 1/2' 1'

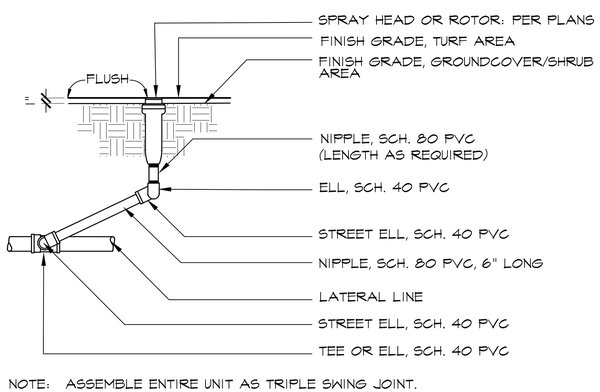
328400_RemoteControlValve1_4.dwg



4 LD1.5 QUICK COUPLER VALVE (IN PLANTING AREA)
SECTION

N.T.S.

328400_QuickCouplingValve_4.dwg

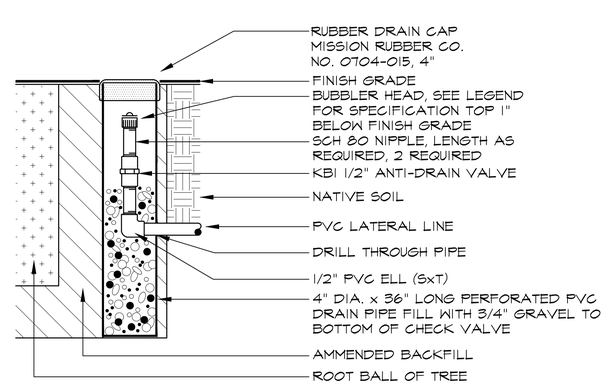


NOTE: ASSEMBLE ENTIRE UNIT AS TRIPLE SWING JOINT. AS AN ALTERNATIVE TO THE ABOVE MATERIALS, "MARLEX" POLYETHYLENE FITTINGS OR A PRE-MANUFACTURED PRODUCT MAY BE SUBSTITUTED.

5 LD1.5 SPRAY OR ROTOR HEAD
SECTION

0 2" 4" 8"

328400_Sprayhead1_48.dwg

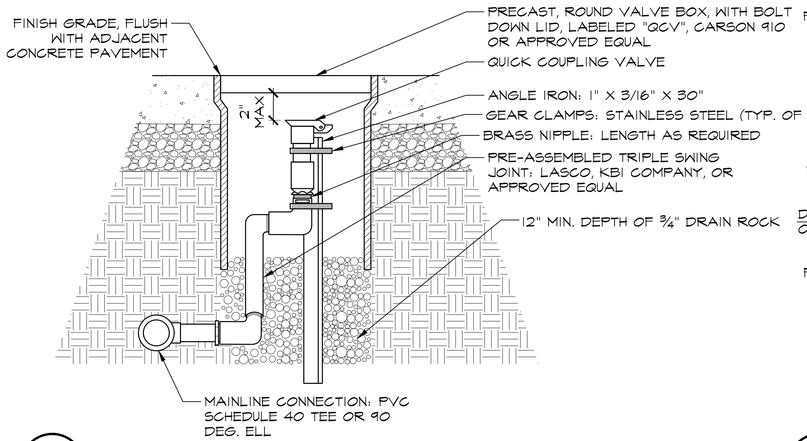


SECTION VIEW - N.T.S.

6 LD1.5 TREE BUBBLER
SECTION

0 1/2' 1' 2'

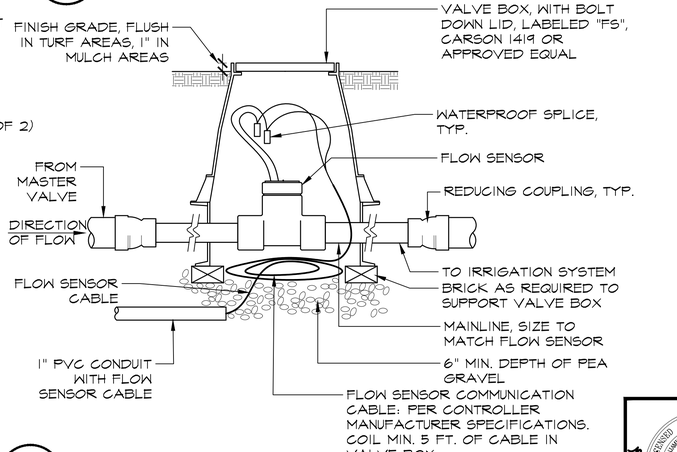
stockton-dw_bubbler1.dwg



7 LD1.5 QUICK COUPLER VALVE (IN CONCRETE PAVEMENT)
SECTION

N.T.S.

328400_QuickCouplingValve_4.dwg



8 LD1.5 FLOW SENSOR
SECTION

N.T

02810 Flow Sensor 2 Wire 48

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JANUARY 5, 2023 CALA PROJECT NO. 21013

MCKINLEY PARK RENOVATIONS PROJECT

LANDSCAPE DETAILS

PERMIT REVIEW SET

REGISTERED LANDSCAPE ARCHITECT — BENJAMIN W. WOODSIDE, RLA 6909 — Signature — May 31, 2024 Renewal Date — Date — STATE OF CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By
1	RESPONSE TO PERMIT CYCLE 1 COMMENTS	11/14/22		

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE	SHEET NO. LD1.5
DESIGNED BY	DCM		72 OF 156 SHTS
DRAWN BY	CM		
CHECKED BY	BW	CITY ENGINEER	WR21017 PROJECT NO.
RECORD DWGS.		STOCKTON, CALIFORNIA	

5541.71C

JUPITER TWIN ACCESSIBLE USA

EXELOO JUPITER TWIN ACCESSIBLE - DRAWING SCHEDULE		
SHEET #	DESCRIPTION	REVISION
G1	FINISHES SCHEDULE	1-H
G2	STANDARD DETAILS	N/A
G3	FRONT PERSPECTIVE	N/A
G4	REAR PERSPECTIVE	1-H
B5	ELEVATIONS	1-H
B6	FLOOR PLAN	1-H
B7	SECTION A-A	1-H
B8	SECTION B-B	1-H
B9	SECTION C-C	1-H
B10	SECTION D-D	1-H
B11	SCHEMATIC SERVICES PLAN	1-H
B12	POWER - ONE LINE DIAGRAM	1-H
P13	JUPITER TWIN ACCESSIBLE WASTEWATER SYSTEM	1-C
P14	WATER SUPPLY VALVE TRAIN	1-A
G15	SIGN DOOR ASSEMBLY USA - ADA	1-A
G16	ACCESSIBLE RESTROOM DOOR SIGN	1-A
B17	FLOOR SLAB - PLAN & SECTION	1-A
B18	FLOOR SLAB - REINFORCING DETAIL	1-A
B19	FLOOR SLAB - FOUNDATION PLAN	1-O
S20	STEEL FRAME - B.O.M - FRONT	1-H
S21	STEEL FRAME - B.O.M - REAR	1-H
S22	STEEL FRAME - ELEVATIONS & PLAN	1-H
S23	STEEL FRAME - ELEVATIONS	1-H
S24	STEEL FRAME - ELEVATION & DETAILS	1-H
S25	STEEL FRAME - SWING DOOR OPTION	1-H
B26	AUXILIARY CONTROL BOX LAYOUT	1-H
B27	MAIN CONTROL BOX LAYOUT	1-H
B28	MAX LOAD TABLE	1-H
B29	APRON DETAIL	1-H

THIS DRAWING SET COVERS:
1. JUPITER 22DD - AUTOMATIC TWIN ACCESSIBLE
2. JUPITER 32DD - SEMI-AUTOMATIC TWIN ACCESSIBLE
3. JUPITER 42/52DD - MANUAL TWIN ACCESSIBLE

REFER TO EXELOO QUALITY ASSURANCE MANUAL FOR FIT-OUT OPTIONS

PROJECT DATA:

ADDRESS: ***STATEWIDE APPROVAL***

CODES & STANDARDS:

2019 CALIFORNIA BUILDING CODE (BASED ON THE 2018 IBC)
2019 CALIFORNIA MECHANICAL CODE (BASED ON THE 2018 UMC)
2019 CALIFORNIA PLUMBING CODE (BASED ON THE 2018 UPC)
2019 CALIFORNIA ELECTRICAL CODE (BASED ON THE 2017 NEC)
2019 CALIFORNIA GREEN BUILDING STANDARD CODE (CGBSC)
2019 CALIFORNIA ENERGY CODE

BUILDING INFO:

BLDG USE: PUBLIC RESTROOM
BLDG OCCUP: B
OCCUPANT LOAD: 1/PER STALL
CONSTRUCTION TYPE: (IBC 602) TYPE V-B
BLDG AREA: 135 SF (TABLE 506.2 ALLOWED 9,000 SF)
BLDG HTG: 9'-0" SINGLE STORY
EXITS REQD: 1/STALL
EXITS PROVIDE: 1/STALL
FIRE SUPRESSION: NON-SPRINKLERED

APPLICABLE LOADS:

ROOF LIVE LOAD: 20
DEAD LOAD: 10
SNOW LOAD: 20

FLOOR LOAD: 40

WIND SPEED: 115
EXPOSURE: C
SEISMIC DESIGN CATEGORY: E
RISK CATEGORY: 2

BLDG HVAC: N/A

NOTE: THIS IS A NON-CONDITIONED BUILDING

1 LD1.6 RESTROOM NOTES AND INDEX

3

EXELOO FINISHES SCHEDULE

STRUCTURAL				
#	ITEM	SUPPLIER	DETAIL	SPECIFICATION
1	Floor	Stresscrete	Steel Reinforced concrete	Slab thickness 6 5/16"/5 1/8" steel reinforced concrete
2	Walls	Galvanised steel frame	Electro Plated Duragalv	3/16" & 1/8" thick electroplated galvanised steel
3	Roof Frame	Galvanised steel frame	Electro Plated Duragalv	3/16" & 1/8" thick electroplated galvanised steel

EXTERIOR LININGS				
#	ITEM	SUPPLIER	DETAIL	SPECIFICATION
4	Wall Cladding	Fibre Cement Solutions Ltd	Eterpan MD Fibre cement sheet	1/2" & 11/16" Fibre cement laminated sheet
5	Roof	MetalCraft	Structual insulated panels	SIP 3 15/16" panel roofing 15 years warranty under right maintenence plan
6	Gutter & Flashings	Steel & Tube	Colourssteel	10 -15 years warranty under right maintenence plan
7	Vent Pipes	Mico	uPVC	DN80 and manufactured to NZ/AS 1260
8	Doors	Cavity Sliders	Stainless steel T316 Brushed	Stainless steel sheet skin with alloy interior
9	Paint	Altex	Epoxy 2 part paint	5 - 10 years warranty under the right maintenance plan
10	Grills	Exeloo	Solid grills cut and folded by Exeloo	T316 Stainless Steel Brused #4

INTERIOR LININGS				
#	ITEM	SUPPLIER	DETAIL	SPECIFICATION
11	Wall Cladding	Fibre Cement Solutions Ltd	Eterpan MD Fibre cement sheet	1/2" & 11/16" Fibre cement laminated sheet
12	Floor Finish	Cutting Edge Tiling	Brasil Nero Charcoal	Ceramic Non Slip tiles 17 11/16" x 17 11/16"
14	Wall linings - Toilet/Shower	Cutting Edge Tiling	Sanctuary Cool White	Ceramic tiles 11 13/16" x 23 5/8"

ELECTRICAL FITTINGS				
#	ITEM	SUPPLIER	DETAIL	SPECIFICATION
16	Control Box	PLC Power	PLC Control Box	Proface LT3300-T

PLUMBING FITTINGS				
#	ITEM	SUPPLIER	DETAIL	SPECIFICATION
19	Toilet pans	Stoddart	Stainless steel	23 5/8" - 27 9/16" stainless pans.
20	Zurn Valve	MacDonald Industries	Flushing system	1.31gal - 2.64gal flushing capacity
21	Water supply system	Rifeng	Stainless steel crimp ring plumbing system	Pex Pipe & MLP (Multilayer pipes) - Rifeng DZR Universal fittings
22	Waste water system	Iplex	UPVC pipes	DN150 and manufactured to NZ/AS 1260
23	WS 400	Duraclenz	Stainless Steel recessed unit	Soap, Water & hand dryer built in wash station
24	Water Solenoid	SMC	SIRAL L177B04	PS = 30 bar

HARDWARE				
#	ITEM	SUPPLIER	DETAIL	SPECIFICATION
25	Door hardware	Legge	Legge 800 Series	Forged Brass and 10 year warranty
26	Grab rails	Superquip	Stainless Steel	1 1/4" knurled stainless grab rails

SEATING & TABLES				
#	ITEM	SUPPLIER	DETAIL	SPECIFICATION
27	Baby Change table	Duraclenz	Stainless Steel & fibreglass inserts	Weight limit 187lbs

ACCESSORIES				
#	ITEM	SUPPLIER	DETAIL	SPECIFICATION
30	Floor Dry Fans	Fantech	CEG MN80C2 - 0MLT	1.5kw 230V
31	Extract Fans	Fantech	Fantech FR150 USA	120V CFM 263
32	Exterior Lights	Dualcom Technology Ltd	Battenpro-300-12V LED SMD2835	1000Lm 10W IP65
33	Interior Lights	Dualcom Technology Ltd	Battenpro-600-12V LED SMD2835	2000Lm 20W IP65
34	Speakers	VEXX	For music & instruction	5" speaker
35	Security System	Intergrated Consulting	Dahua Starlight pinhole camera	2MP HDCVI covert camera with 3.6mm lens
36	Paper Dispenser	Duraclenz	Stainless Steel EMD8200RH	Dual roll holder
37	Nappy / Sani chute	Duraclenz	Hinged flap chute	Stainless Steel T304 Brushed

2 LD1.6 EXELOO FINISHES SCHEDULE

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JANUARY 5, 2023 CALA PROJECT NO. 21013

MCKINLEY PARK RENOVATIONS PROJECT

RESTROOM BUILDING DETAILS

PERMIT REVIEW SET

Revision No.	Description	Date	By	Aprvd. By
3	RESPONSE TO PERMIT CYCLE 3 COMMENTS	03/03/23		

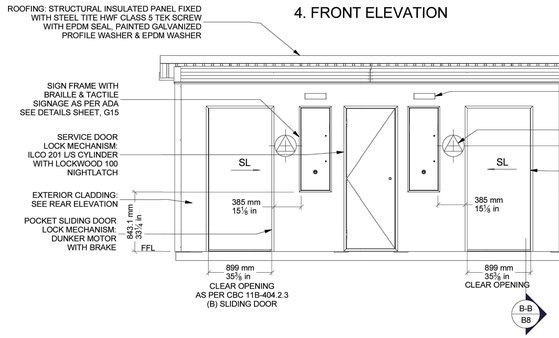
DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

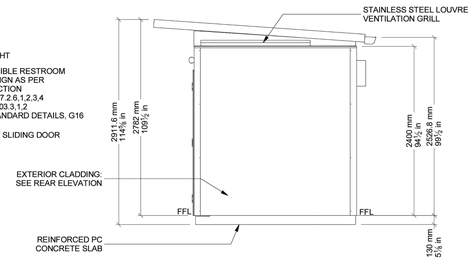
SCALE	AS SHOWN
DESIGNED BY	DCM
DRAWN BY	CM
CHECKED BY	BW
RECORD DWGS.	

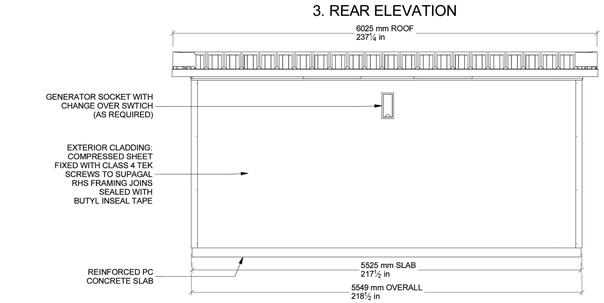
APPROVED BY: 7/24/23 DATE
CITY ENGINEER
STOCKTON, CALIFORNIA

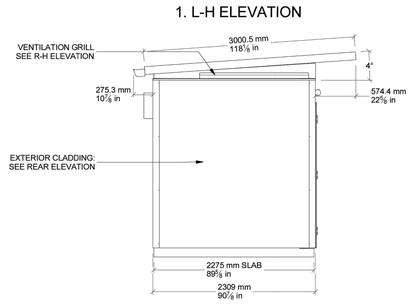
SHEET NO. LD1.6
73 OF 156 SHTS
WR21017 PROJECT NO.

5541.72C



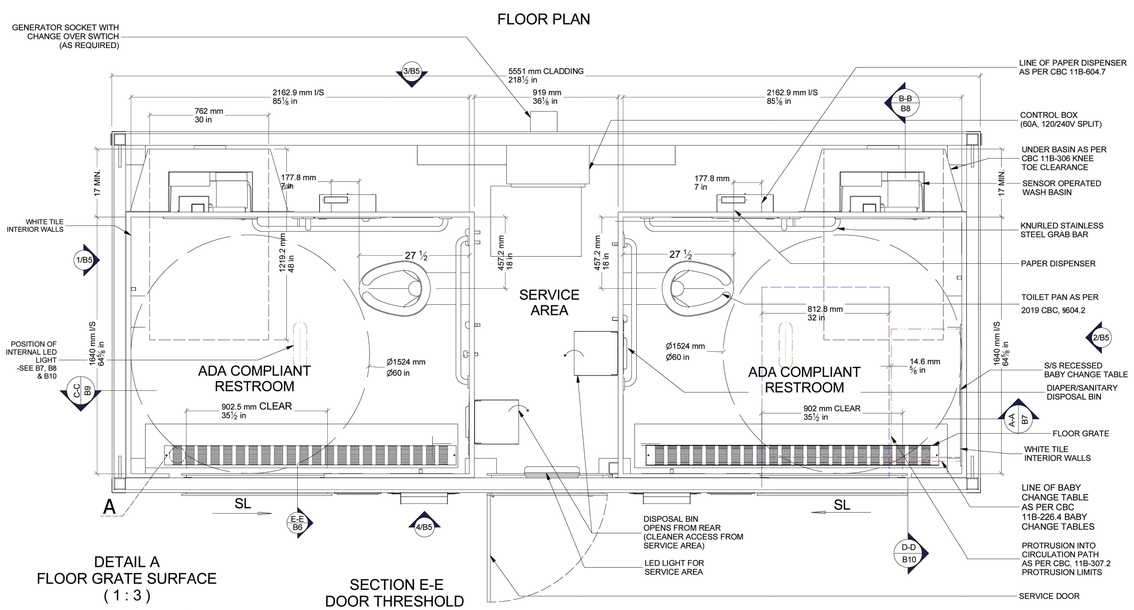


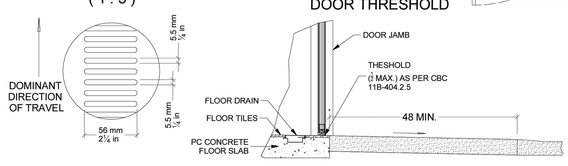




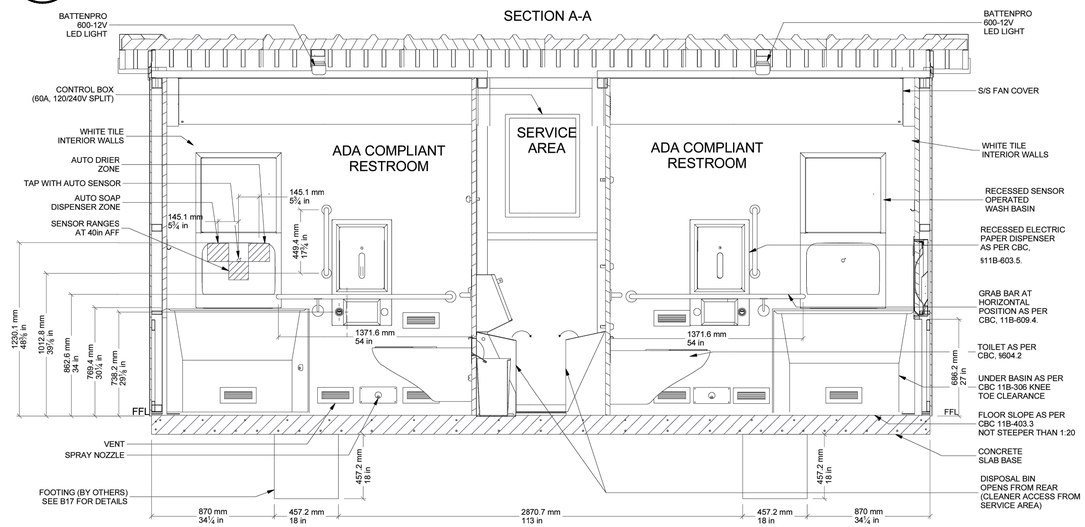
DUE TO THE POTENTIAL PERSONAL HAZARD WITH THE AUTOMATIC OPENING RESTROOM POCKET DOORS THE MOUNTING OF THE UNISEX GEOMETRIC SYMBOL WITH THE PICTOGRAM, RAISED CHARACTERS AND GRADE II BRAILLE WILL BE MOUNTED ON ADJACENT TO THE RESTROOM OPENINGS. BASED ON THE PROVISIONS OF CBC §11B-703.7.2.6 AND THE 2019 CALIFORNIA ACCESS COMPLIANCE ADVISORY REFERENCE MANUAL (DSA).

NOTE:
NO BRAILLE ON SIGNS OR BUTTONS
BETWEEN FFL & 48" ABOVE FFL





1 LD1.7 RESTROOM SECTION ELEVATIONS
SECTION/ ELEVATION



NOTE:
NO BRAILLE ON SIGNS OR BUTTONS
BETWEEN FFL & 48" ABOVE FFL

2 LD1.7 RESTROOM SECTION A-A
SECTION

2 LD1.7 RESTROOM FLOOR PLAN
SECTION

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Gold River, CA 95670
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JANUARY 5, 2023 CALA PROJECT NO. 21013

MCKINLEY PARK RENOVATIONS PROJECT

RESTROOM BUILDING DETAILS

PERMIT REVIEW SET

Revision No.	Description	Date	By	Aprvd. By

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

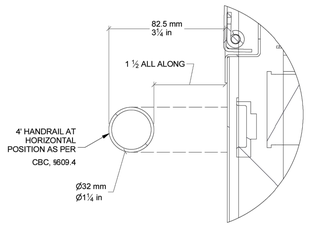
SCALE	AS SHOWN
DESIGNED BY	DCM
DRAWN BY	CM
CHECKED BY	BW
RECORD DWGS.	

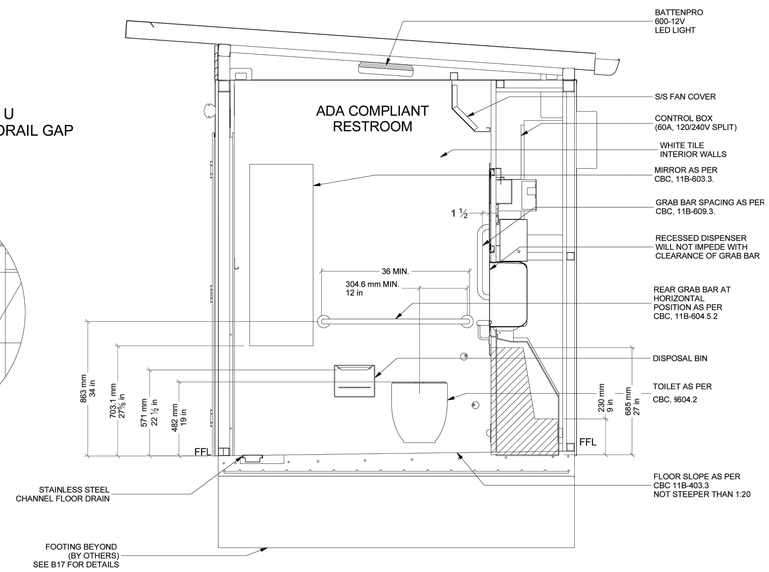
APPROVED BY: 7/24/23 DATE
CITY ENGINEER
STOCKTON, CALIFORNIA

SHEET NO. LD1.7
74 OF 156 SHTS
WR21017 PROJECT NO.

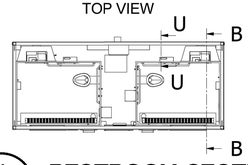
5541.73C

SECTION DETAIL U
PAPER DISPENSER-HANDRAIL GAP



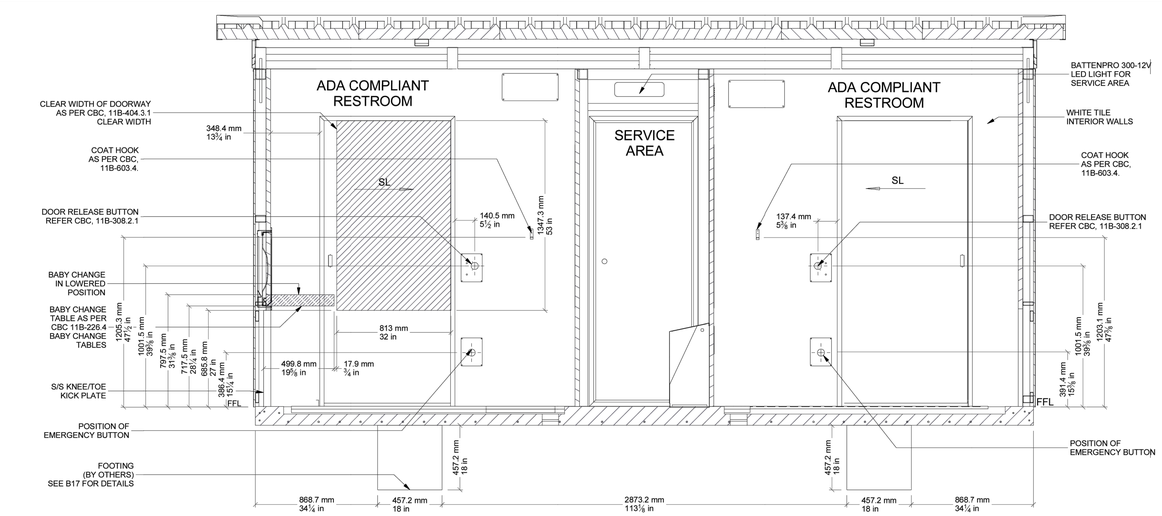


TOP VIEW



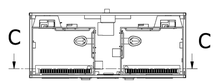
NOTE:
NO BRAILLE ON SIGNS OR BUTTONS
BETWEEN FFL & 48" ABOVE FFL

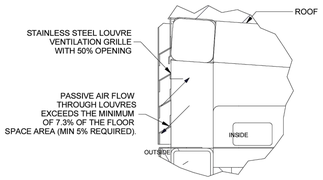
1 LD1.8 RESTROOM SECTION B-B
SECTION



PASSIVE AIR FLOW REQUIREMENT

TOP VIEW





2 LD1.8 RESTROOM SECTION C-C
SECTION

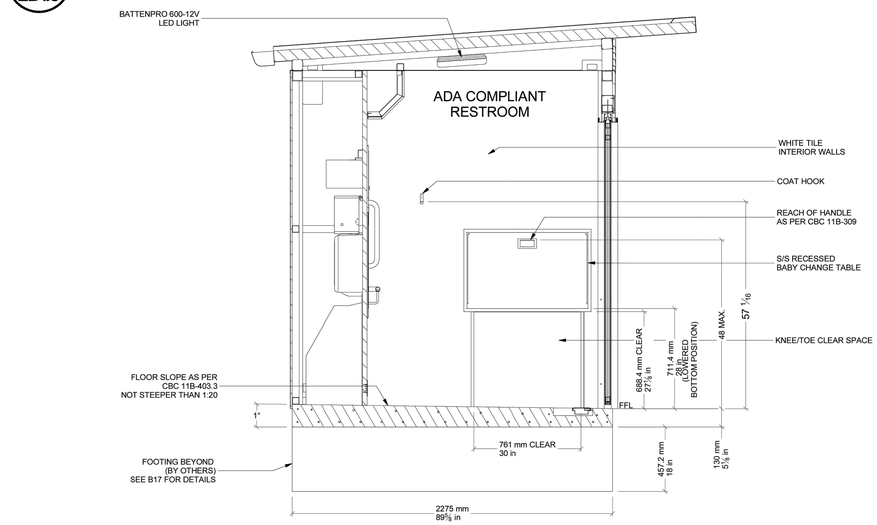
SCHEMATIC SERVICES PLAN

WATER ENTRY DETAIL

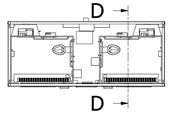
NOTE:
1. CIVIL CONTRACTOR/ENGINEER IS RESPONSIBLE FOR PROVIDING CONNECTIONS TO THE UNIT.
2. ALL PLUMBING PIPING SHALL BE AS PER CPC
3. ALL ELECTRICAL WIRING SHALL BE CONTAINED WITHIN CONDUIT AS PER CEC

FLOOR DRAINS:
2 ½" BSP MALE & 3" NPT FEMALE
ARE BOTH SUPPLIED BY EXELOO

3 LD1.9 SCHEMATIC SERVICE PLANS
PLAN



TOP VIEW



NOTE:
NO BRAILLE ON SIGNS OR BUTTONS
BETWEEN FFL & 48" ABOVE FFL

4 LD1.8 RESTROOM SECTION D-D
SECTION

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JANUARY 5, 2023 CALA PROJECT NO. 21013

MCKINLEY PARK RENOVATIONS PROJECT

RESTROOM BUILDING DETAILS

PERMIT REVIEW SET

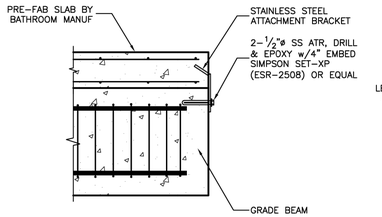
Revision No.	Description	Date	By	Aprvd. By

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN
DESIGNED BY	DCM
DRAWN BY	CM
CHECKED BY	BW
RECORD DWGS.	

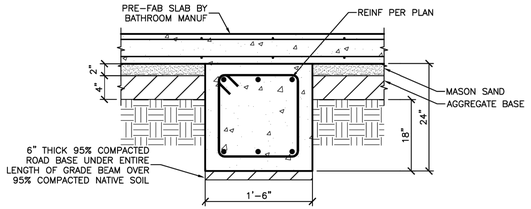
APPROVED BY: 7/24/23 DATE
CITY ENGINEER
STOCKTON, CALIFORNIA

SHEET NO. LD1.8
75 OF 156 SHTS
WR21017 PROJECT NO.
5541.74C



SLAB TO FTG TIE (2)

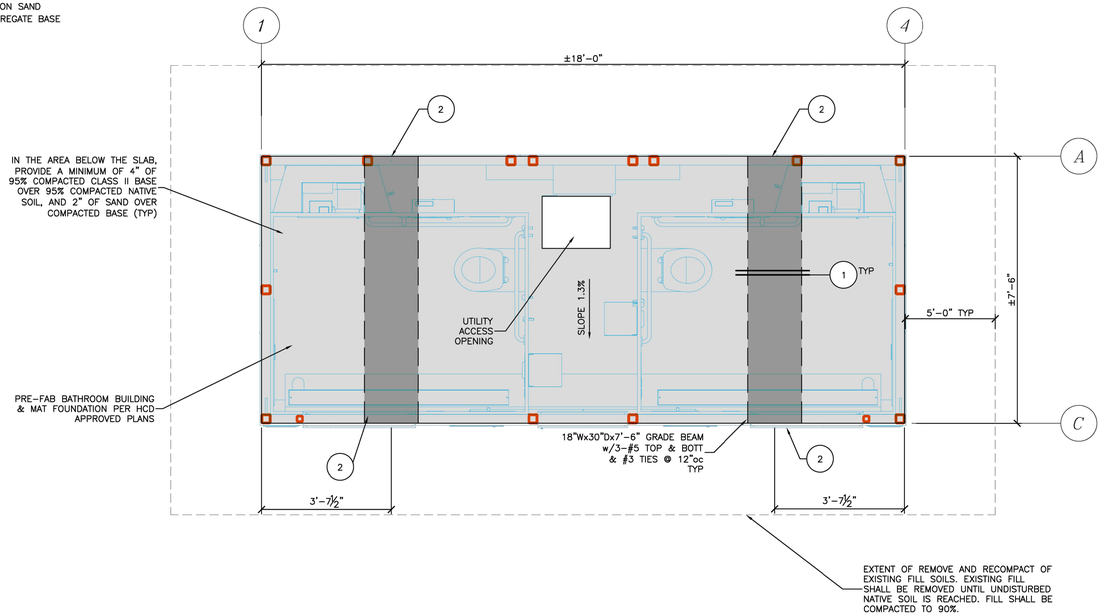
PARTIAL SCALE 1"=1'-0"



NOTE:
1. THE SUBGRADE (BELOW REMOVAL AND RECOMPACTION LAYER) SHOULD BE SCARIFIED TO A MINIMUM DEPTH OF 12 INCHES, MOISTURE CONDITIONED TO AT LEAST 2 PERCENT ABOVE OPTIMUM MOISTURE CONTENT, AND RE-COMPACTED TO AT LEAST 90 PERCENT RELATIVE COMPACTION PER ASTM D-1557.
2. THE SLAB SHOULD BE UNDERLAIN BY 2 INCHES OF MASON SAND (ASTM C-144) COMPACTED WITH A VIBRATORY PLATE OVER A MINIMUM 4 INCHES OF CLASS 2 AGGREGATE BASE COMPACTED TO AT LEAST 95 PERCENT RELATIVE COMPACTION.

GRADE BEAM @ SLAB (1)

PARTIAL SCALE 1"=1'-0"



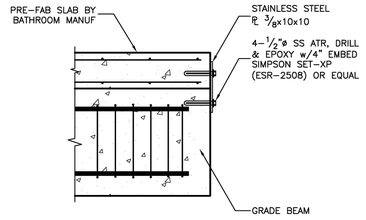
FOUNDATION PLAN

SCALE: 1/2"=1'-0" (3" 1'-0" 2'-0" 4'-0")
DO NOT SCALE FROM DRAWING REFER TO NOTES, SCHEDULES AND DETAILS.

HORIZONTAL BAR LAP SPLICE SCHEDULE				
	"L" = LAP SPLICE LENGTH			
	CMU	CONCRETE		
BAR SIZE	f'm= 1500	f'c= 2500	f'c= 3000	f'c= 4000
#3	19"	31"	28"	25"
#4	34"	41"	38"	33"
#5	45"	51"	47"	41"
#6	54"	61"	56"	49"
#7	63"	89"	81"	71"
#8	72"	102"	93"	81"
#9	81"	115"	105"	91"
#10	NA	129"	118"	102"
#11	NA	143"	131"	114"

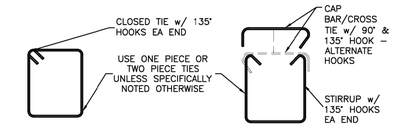
VERTICAL BAR LAP SPLICE SCHEDULE				
	"L" = LAP SPLICE LENGTH			
	CMU	CONCRETE		
BAR SIZE	f'm= 1500	f'c= 2500	f'c= 3000	f'c= 4000
#3	19"	24"	22"	19"
#4	34"	32"	29"	25"
#5	45"	39"	36"	31"
#6	54"	47"	43"	37"
#7	63"	69"	63"	54"
#8	72"	78"	72"	62"
#9	81"	88"	81"	70"
#10	NA	100"	91"	79"
#11	NA	110"	101"	87"

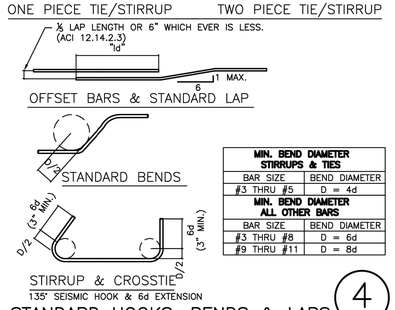
NOTES::
1. "D"=BEND DIAMETER
2. "d"=BAR DIAMETER
3. For horizontal reinforcing placed such that less than 12" of fresh concrete is placed below the bar use the Vertical Bar Lap Splice Schedule.
4. Lap splices in concrete shear walls shall be increased by 1.25 times the scheduled length.
5. All lengths shall be increased by 1.2 times the scheduled lengths for epoxy coated rebar.



ALTERNATE SLAB TO FTG TIE (3)

PARTIAL SCALE 1"=1'-0"





MIN. BEND DIAMETER STIRRUPS & TIES	
BAR SIZE	BEND DIAMETER
#3 THRU #5	D = 4d
MIN. BEND DIAMETER ALL OTHER BARS	
BAR SIZE	BEND DIAMETER
#3 THRU #8	D = 6d
#9 THRU #11	D = 8d

STANDARD HOOKS, BENDS & LAPS (4)

PARTIAL SCALE 1"=1'-0"

1. SOILS INFORMATION:

A. Soils report per GEOCON Consultants, Inc, dated April 2022.
B. Allowable bearing value = 2,000 psf
C. Remove and recompact to undisturbed native soil.
D. Maintain bottom of footing such that the horizontal distance to daylight is 40'-0" and per Sec 1808.7.2 of current CBC edition.

2. FOUNDATION INFORMATION:

A. Concrete:
A.A. Minimum 28-day strength of 3,000 psi
A.B. Maximum water to cement ratio of 0.57
A.C. Maximum aggregate size of 1"
A.D. Slump of 4" ±1"
A.E. NO Special inspection required
B. Reinforcing
B.A. All reinforcing shall be ASTM A-615 Grade 60
B.B. Clear cover to all rebar shall be 3"

0000 CODES AND REFERENCES

All general structural notes and specifications reflect the provisions of the
2019 CBC(California Building Code)
ASCE 7-16 (Minimum Design Loads)
ACI 318-14 (Concrete)
AISC 360-16/AISC 341-16/AISC 358-16 (Steel)

SEISMIC:	
Design Procedure:	
Equivalent Lateral Force Analysis	
Importance	:1
Risk Category	:2
Occupancy Category	:II
Ss	:2.72
S1	:1.0
Sds	:2.00
Sd1	:1.1
Site Class	:D
Seismic Design Cat.	:E
Seismic Force Sys	:OMF
Base Shear	:3.75k
Cs	:0.571
R	:3.5
Analysis Procedure	:LIN. STATIC

WIND:	
Basic Wind Speed:	115 mph
Wind Exposure:	C
Internal Pressure Coefficient:	±0.18
Risk Category	II

ABBREVIATIONS

ATR---------- ALL THREADED ROD
℄---------- ---CENTERLINE
CLR---------- CLEAR(ANCE)
CONC---------- CONCRETE
CONN---------- CONNECTION
CONT---------- CONTINUOUS
CTR(D) OR ℄----- CENTER(ED)
D---------- DEEP
DIA OR ø------- DIAMETER
EA---------- EACH
EF---------- EACH FACE
ELEV---------- ELEVATION
EMBED---------- EMBEDMENT
ENG---------- ENGINEER
EQ---------- EQUAL
EXT---------- EXTERIOR
FDN---------- FOUNDATION
FG---------- FINISH GRADE
FLR---------- FLOOR
FOC---------- FACE OF CONCRETE
FS---------- FINISH SLAB
FTG---------- FOOTING
GALV---------- GALVANIZED
GB---------- GRADE BEAM
HORIZ---------- HORIZONTAL
HT---------- HEIGHT
INFO---------- INFORMATION
LONG---------- LONGITUDINAL
MAX---------- MAXIMUM
MB---------- MACHINE BOLT
MIN---------- MINIMUM
NG---------- NATURAL GRADE
NTS---------- NOT TO SCALE
N/S---------- NON-STRUCTURAL
O/---------- OVER
oc---------- ON CENTER
PERP---------- PERPENDICULAR
PL or---------- PLATE
REINF---------- REINFORCING(MENT)
SIM----------SIMILAR
SQ---------- SQUARE
SS---------- STAINLESS STEEL
STD---------- STANDARD
STL---------- STEEL
STRUCT'L-------- STRUCTURAL
THK---------- THICK(NESS)
TO---------- TOP OF
TOW---------- TOP OF WALL
TYP---------- TYPICAL
UNO---------- UNLESS NOTED OTHERWISE
VERT----------VERTICAL
VF---------- VERIFY
VIF---------- VERIFY IN FIELD
VWA---------- VERIFY WITH ARCHITECTURAL

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SHEET TITLE: RESTROOM FOUNDATION STRUCTURE
PROJECT: MCKINLEY PARK RENOVATION
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REGISTERED PROFESSIONAL ENGINEER — THOMAS W. HUME JR. — No. 50647 — CIVIL — STATE OF CALIFORNIA

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Drafter: A.V./A.L.

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JANUARY 5, 2023 CALA PROJECT NO. 21013

MCKINLEY PARK RENOVATIONS PROJECT

RESTROOM BUIDLING DETAILS

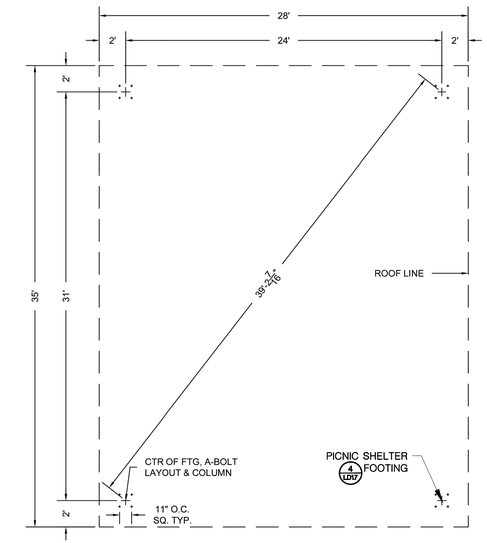
DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE	SHEET NO. LD1.9
DESIGNED BY	DCM		76 OF 156 SHTS
DRAWN BY	CM	CITY ENGINEER	
CHECKED BY	BW	STOCKTON, CALIFORNIA	WR21017 PROJECT NO.
RECORD DWGS.			

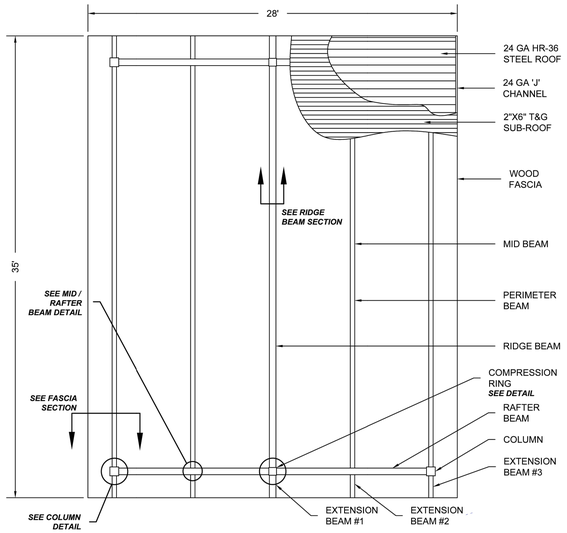
5541.75C

BEAM/COLUMN	SIZE	BOLT DIA.	GRADE:	END PLATE
COLUMN	8"X8"X.25 HSS	PER DETAIL		½"
PERIMETER BEAM	10"X4"X.188 HSS	1"	A325	⅜"
RAFTER BEAM	12"X4"X.25 HSS	⅞"	A325	⅜"
RIDGE BEAM	8"X6"X.188 HSS	1"	A325	⅜"
MID BEAM	10"X4"X.188 HSS	1"	A325	⅜"
EXT. BEAM #1	6"X4"X.120 HSS	NA	NA	NA
EXT. BEAM #2	4"X4"X.120 HSS	⅝"	A307	⅜"
EXT. BEAM #3	4"X4"X.120 HSS	NA	NA	⅜"
COMPRESSION RING	7"X7"X.375 HSS	NA	NA	NA

1 LD1.10 MATERIAL LIST

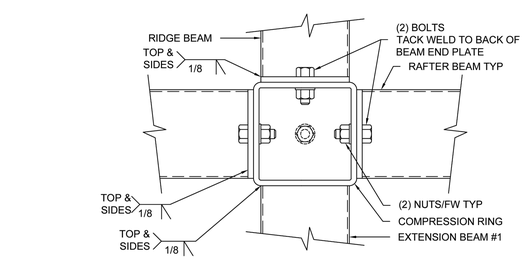


4 LD1.10 PICNIC SHELTER FOOTING LAYOUT
PLAN

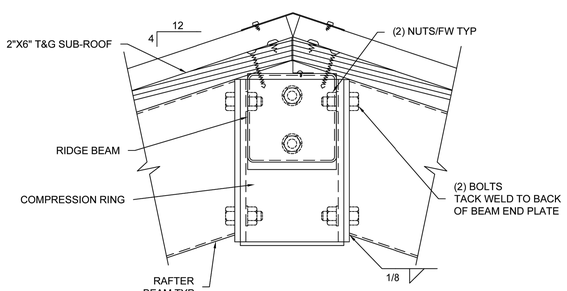


2 LD1.10 PICNIC SHELTER
PLAN

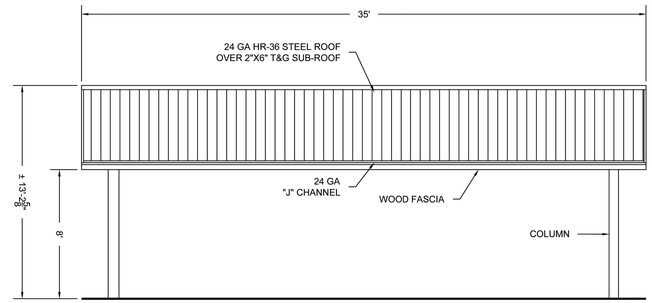
5 LD1.10 RIDGE BEAM
SECTION



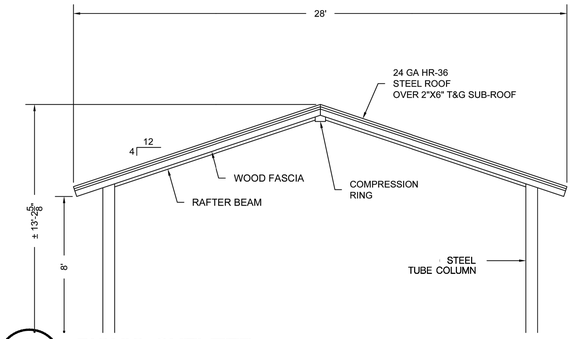
7 LD1.10 COMPRESSION RING
PLAN



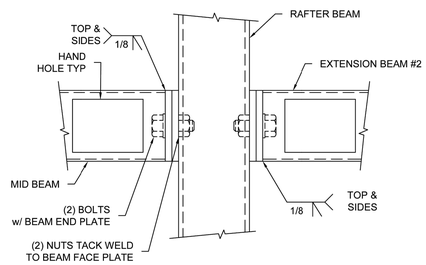
8 LD1.10 COMPRESSION RING
SECTION



3 LD1.10 PICNIC SHELTER
SIDE ELEVATION



6 LD1.10 PICNIC SHELTER
END ELEVATION



9 LD1.10 MID/RAFTER BEAM PLAN
PLAN

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JANUARY 5, 2023 CALA PROJECT NO. 21013

MCKINLEY PARK RENOVATIONS PROJECT

PICNIC SHELTER DETAILS

PERMIT REVIEW SET

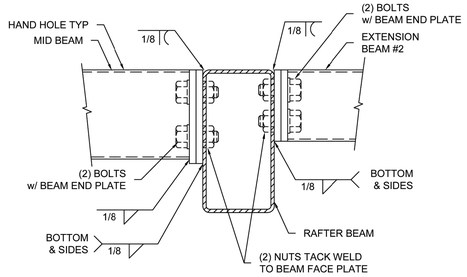
REGISTERED PROFESSIONAL ENGINEER MICHAEL JAMES WINTER C62563 Jun 23, 2022 CIVIL STATE OF CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By

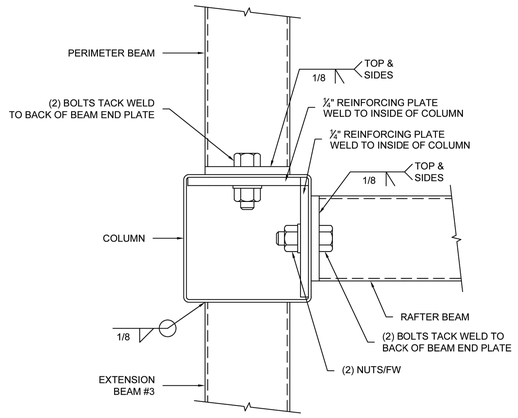
DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE	SHEET NO. LD1.10
DESIGNED BY	DCM		77 OF 156 SHTS
DRAWN BY	CM		
CHECKED BY	BW	CITY ENGINEER	WR21017 PROJECT NO.
RECORD DWGS.		STOCKTON, CALIFORNIA	

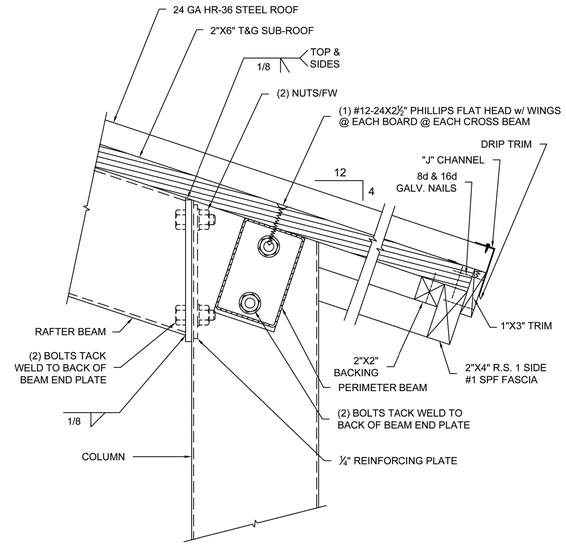
5541.76C



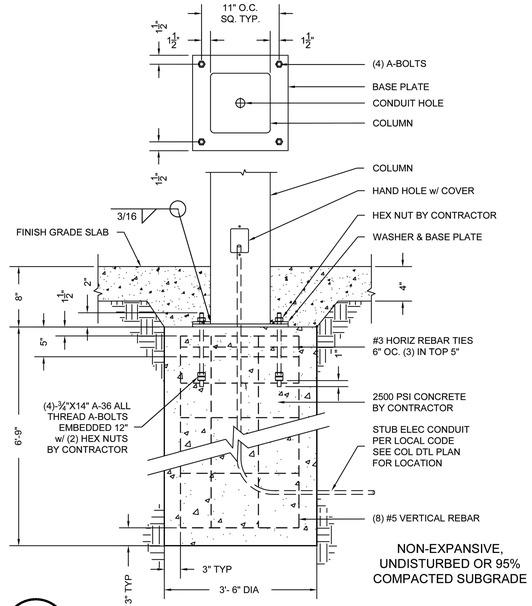
1 LD1.11 MID/RAFTER BEAM DETAIL
PLAN



2 LD1.11 COLUMN CONNECTION DETAIL
PLAN



3 LD1.11 FASCIA
SECTION



4 LD1.11 PICNIC SHELTER FOOTING
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PICNIC SHELTER DETAILS

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REGISTERED PROFESSIONAL ENGINEER
MICHAEL JAMES KING
C62563
June 28, 2022
CIVIL
STATE OF CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By

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CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE	SHEET NO.
DESIGNED BY	DCM		LD1.11
DRAWN BY	CM		78 OF 156 SHTS
CHECKED BY	BW	CITY ENGINEER	WR21017
RECORD DWGS.		STOCKTON, CALIFORNIA	PROJECT NO.

5541.77C

LEGEND

- A–1 — HOMERUN CONDUIT AND CONDUCTORS TO PANEL 'A' CIRCUIT 1; SLASH MARKS INDICATE NUMBER OF CONDUCTORS, 2 #12 AWG + 1 #12 GND, UON
- CONDUIT RUN UNDERGROUND
- OH — OVERHEAD LINE
- CONDUIT CONTINUATION
- CONDUIT STUB AND CAP

ELECTRICAL APPARATUS AND EQUIPMENT

- CIRCUIT BREAKER
- SAFETY DISCONNECT SWITCH, FUSED AND NON–FUSED
- (M) UTILITY METER SOCKET
- UGPS ▼ UNDERGROUND PULL SECTION
- CT (M) CURRENT TRANSFORMER WITH UTILITY METER &
- ELECTRIC PULL BOX
- IC IRRIGATION CONTROLLER
- ▼ UNDERGROUND TERMINATION POINT
- GROUND TO EARTH
- LP1 PATHWAY LIGHT POLE, LIGHT POLE #1
- SURFACE MOUNTED LIGHT FIXTURE
- TENNIS COURT LIGHT POLE
- (E) SL EXISTING STREET LIGHT POLE
- PANELBOARD, SURFACE OR RECESSED
- METER SERVICE PEDESTAL
- RECEPTACLE, SINGLE LINE DIAGRAM
- 1 / E1.1 DETAIL TAG e.g., 1 IS THE DETAIL NUMBER E1.1 IS THE SHEET NUMBER
- (1) SHEET NOTE TAG, SHEET NOTE 1
- F1 LIGHT FIXTURE TAG, FIXTURE TYPE F1

ABBREVIATIONS

A	AMPERE
AFG	ABOVE FINISHED GRADE
AL	ALUMINUM
AWG	AMERICAN WIRE GAUGE
BP	BY–PASS TEST SWITCH
C	CONDUIT
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CO	CONDUIT ONLY
(E)	EXISTING TO REMAIN
EGC	EQUIPMENT GROUNDING CONDUCTOR
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GND	GROUND
HP	HORSEPOWER
JP	JOINT POLE
LED	LIGHT EMITTING DIODE
MTD	MOUNTED
(N)	NEW
OD	OUTSIDE DIAMETER
PB	PULL BOX
PC	PHOTOCONTROL
PCC	PORTLAND CEMENT CONCRETE
PE	PHOTOELECTRIC
POC	POINT OF CONNECTION
PVC	POLYVINYLCHLORIDE
(R)	EXISTING TO BE REMOVED
(RL)	RELOCATED EXISTING
RMC	RIGID METAL CONDUIT
SLD	SEE LANDSCAPE DRAWINGS
SL	STREET LIGHT
SS	STAINLESS STEEL
SWBD	SWITCHBOARD
TBF	TEST BYPASS FACILITIES
TEL	TELEPHONE
TS	TIME SWITCH
TYP	TYPICAL
UG	UNDERGROUND
UON	UNLESS OTHERWISE NOTED
V	VOLT
W	WATT
WP	WEATHERPROOF
XFMR	TRANSFORMER

NOTES:

AIC RATING OF THE PANELS WILL BE GIVEN BY PG&E AFTER THEIR DESIGN IS COMPLETED. THE BEST IS TO PURCHASE THE EQUIPMENT WITH A 22 KAIC RATING

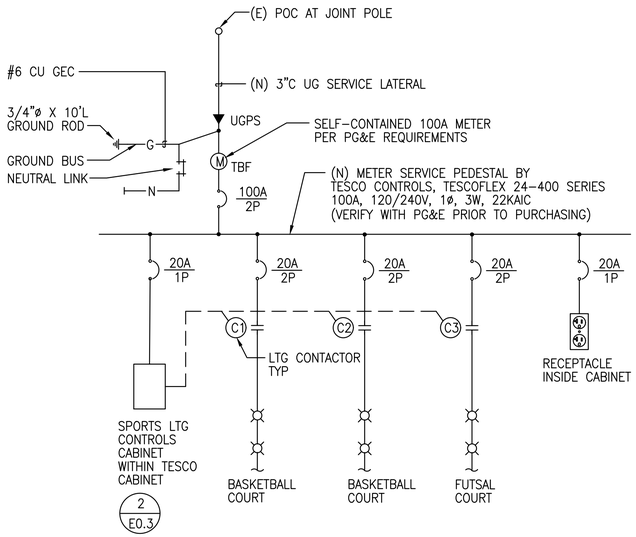
PG&E HAS BEEN CONTACTED, THE ADDITIONAL LOADS WILL BE SEEN BY PG&E DESIGNER AND ACCOUNTED FOR.

SHEET NOTES:

(1) THE FUTURE SOCCER FIELD LIGHT PROJECT MUST ACCOUNT FOR PG&E POINT SERVICE UPGRADE OR A NEW SERVICE CONNECTION (4)

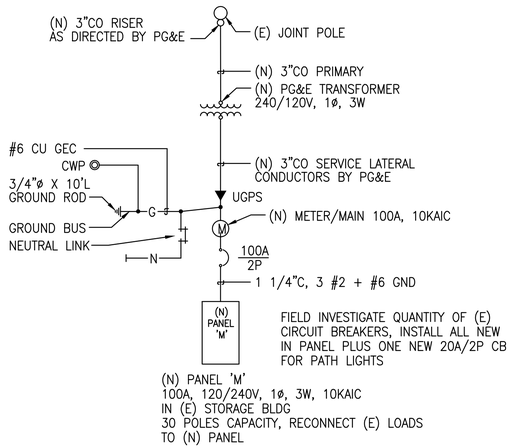
LIGHT FIXTURE SCHEDULE

SYMBOL	TYPE	DESCRIPTION	MANUFACTURER'S CATALOG NO.	MOUNTING	VOLT.	LAMPS	REMARKS
	F1	LED PATHWAY LIGHT FIXTURE, IES TYPE V MEDIUM DISTRIBUTION, INTEGRAL MOTION SENSOR FOR REDUCTION OF BRIGHTNESS TO 50%, TWIST–LOCK 7–PIN RECEPTACLE, PHOTOCONTROL, BLACK FINISH; STRAIGHT SQUARE COMPOSITE POLE 4"SQ, 25' H, DIRECT EMBEDDED, STANDARD TENON SIZE 2–3/8", BLACK FINISH	LITHONIA LIGHTING D–SERIES # DSXO–LED–P3–40K–T5M–MVOLT–SPA–PER7–DBLXD POLE: WHATLEY # SS425–25–DE–BLK–2T OR EQUAL	POLE	240	71W LED 4K	PATHWAY SEE DETAIL 1 SHT E0.2
	F2	LED SURFACE MOUNTED LIGHT FIXTURE, 12" DIA, WHITE POLYCARBONATE DIFFUSER, BLACK FINISH	BROWNLEE LIGHTING # 7156–BL–B12LED–40K	SURFACE	240	12W LED 4K	SHADE STRUCTURE
	F3	LED BASKETBALL COURT FIXTURE, SILVER FINISH, WITH MOUNTING HARDWARE TO SUIT (E) POLE	NLS LIGHTING 'VUE' # VUE–3–TT–192L–1–50K–UNV–TA (TENNIS)	(E) POLE	240	1–594W LED 5000K	BASKETBALL & FUTSAL COURTS
	F4	LED FLOOD LIGHT, FIELD ADJUSTABLE, TENON MOUNT, BRONZE FINISH, ON (E) POLE	RAB LIGHTING # FFLED–L–120W	(E) POLE	120	120W LED 5000K	SPORTS COURTS
	F5	LED STREET LIGHT, IES TYPE 2R DISTRIBUTION, 7–WIRE PC RECEPTACLE, GREY FINISH, ON CITY OF STOCKTON STANDARD LIGHT POLE, REFER TO DRAWING R–88	LEOTEK # GCJ1–20H–MV–NW–2R–GY–700–PCR7–WL–BBL CITY OF STOCKTON STANDARD LIGHT POLE PROVIDED & INSTALLED BY CONTRACTOR	POLE	240	46W LED	STREET LIGHT

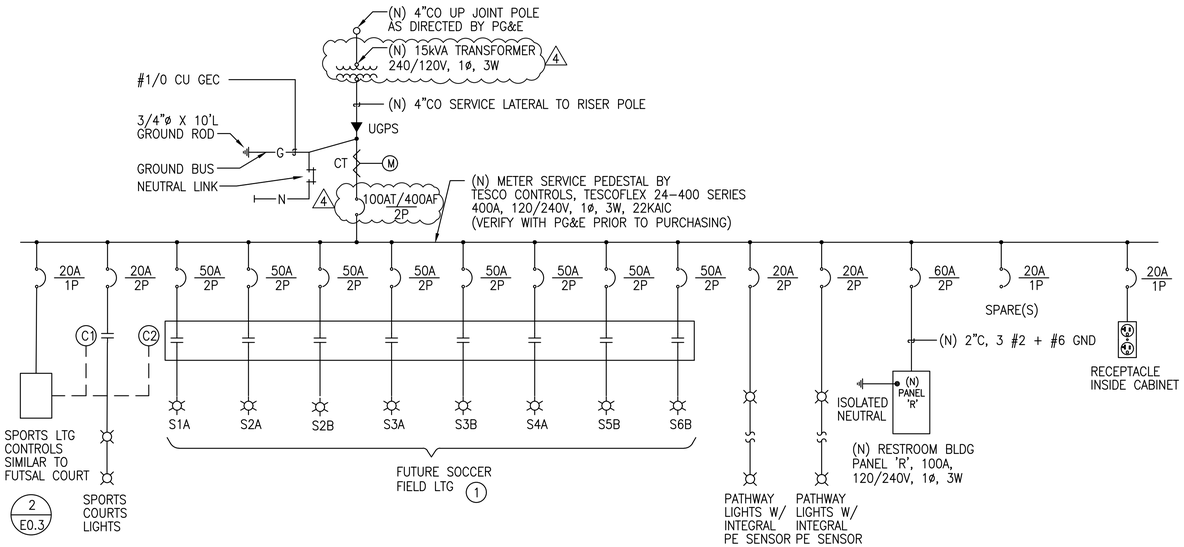


TESCO 24000-SERIES

(1) SINGLE LINE DIAGRAM PEDESTAL #1 (E. 8TH ST & S. SAN JOAQUIN)



(3) SINGLE LINE DIAGRAM FOR STORAGE BLDG



TESCO 24000-SERIES

(2) SINGLE LINE DIAGRAM PEDESTAL #2 (RESTROOM)

NOTE:

SEE SITE ELECTRICAL PLAN SHEETS E2.1 & E2.3

PERMIT REVIEW SET

Revision No.	Description	Date	By	Aprvd. By
1	RESPONSE TO PERMIT CYCLE 1 COMMENTS	11/14/22		
2	RESPONSE TO PERMIT CYCLE 2 COMMENTS	01/05/23		
3	RESPONSE TO PERMIT CYCLE 3 COMMENTS	03/03/23		
4	TXFR PLACEMENT	04/13/23		

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JULY 13, 2023 — CALA PROJECT NO. 21013

MCKINLEY PARK RENOVATIONS PROJECT

ELECTRICAL LEGEND AND DETAILS

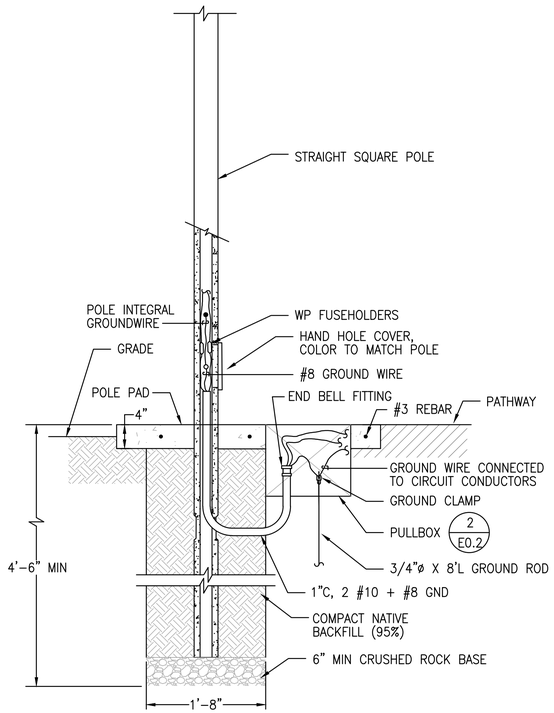
DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN
DESIGNED BY	RR
DRAWN BY	AG
CHECKED BY	JA
RECORD DWGS.	

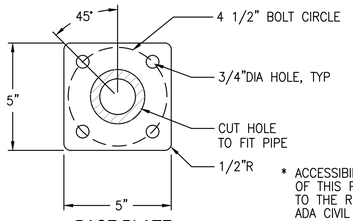
APPROVED BY: DATE 7/24/23
CITY ENGINEER
STOCKTON, CALIFORNIA

SHEET NO. E0.1
79 OF 158 SHTS
WR21017 PROJECT NO.

5541.78C 4733 7/13/23

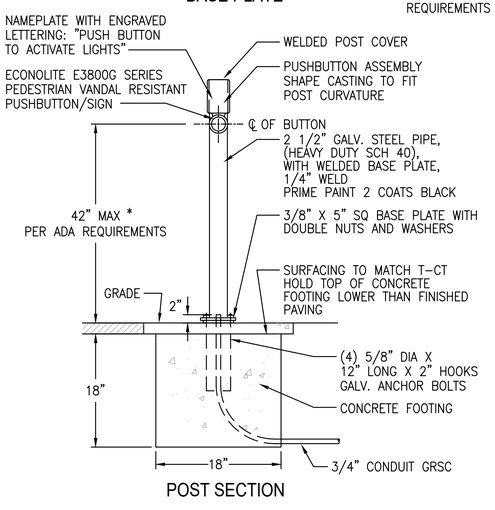


1 LIGHT POLE F1 DETAIL
SCALE: NONE



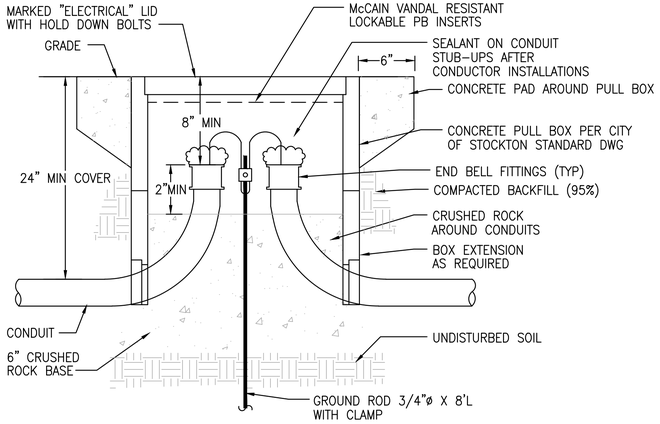
BASE PLATE

* ACCESSIBILITY REQUIREMENTS FOR THE CONSTRUCTION OF THIS PROJECT'S SCOPE OF WORK SHALL CONFORM TO THE REQUIREMENTS OF THE 2019 CBC CHAPTER 11B. ADA CIVIL RIGHTS REQUIREMENTS MAY BE VERIFIED BY THE ARCHITECT OF RECORD BUT ARE NOT INSPECTION REQUIREMENTS FOR THIS PERMIT APPLICATION



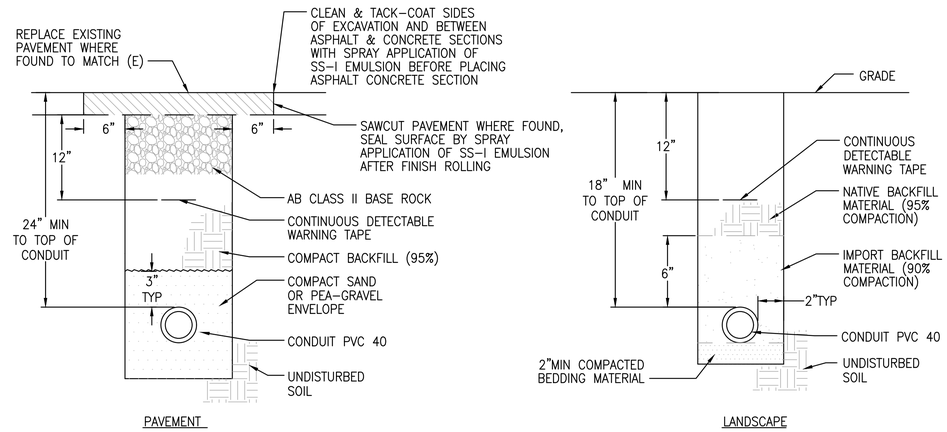
POST SECTION

4 PUSHBUTTON MOUNTING DETAIL
SCALE: NONE

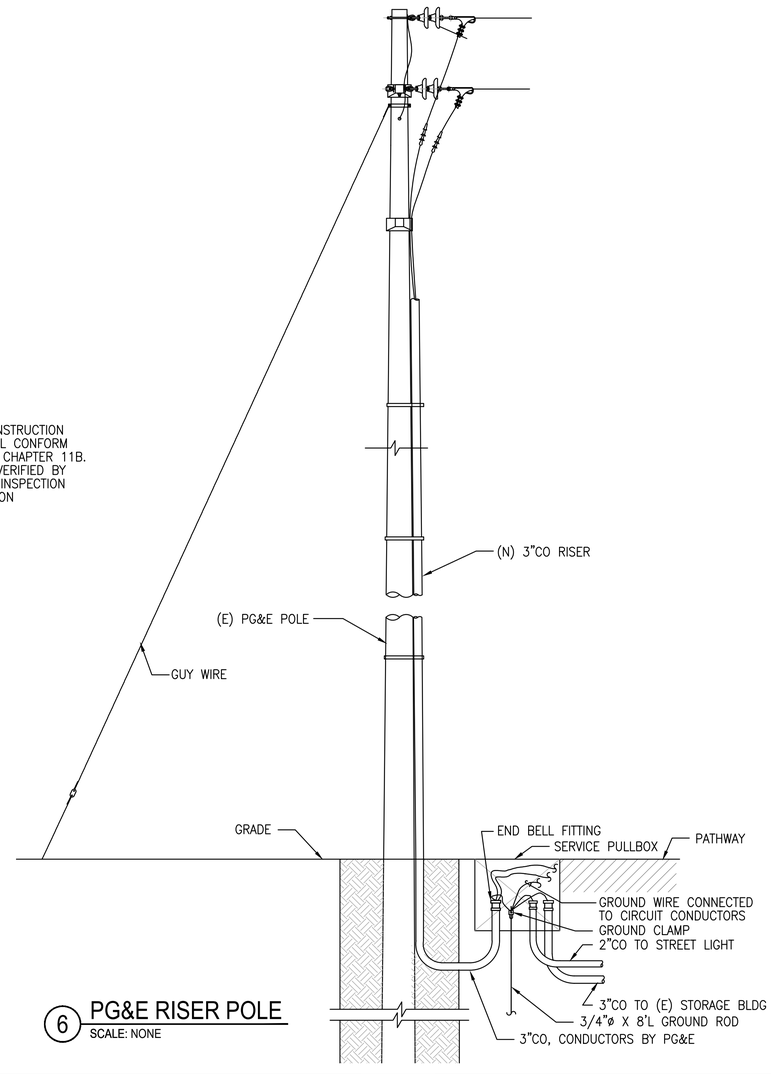


REFER TO CITY OF STOCKTON STANDARD DRAWING R-87 FOR FURTHER REQUIREMENTS

2 PULL BOX DETAIL
SCALE: NONE



3 TRENCH DETAILS
SCALE: NONE



6 PG&E RISER POLE
SCALE: NONE

PERMIT REVIEW SET

REGISTERED PROFESSIONAL ENGINEER — JEFFREY H. ANDEN — Lic. No. 19450 Exp. 08/30/2025 — Electrical — STATE OF CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By
1	RESPONSE TO PERMIT CYCLE 1 COMMENTS	11/14/22		
2	RESPONSE TO PERMIT CYCLE 2 COMMENTS	01/05/23		
3	RESPONSE TO PERMIT CYCLE 3 COMMENTS	03/03/23		
4	TXFR PLACEMENT	04/13/23		

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JULY 13, 2023 — CALA PROJECT NO. 21013

MCKINLEY PARK RENOVATIONS PROJECT

ELECTRICAL DETAILS

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

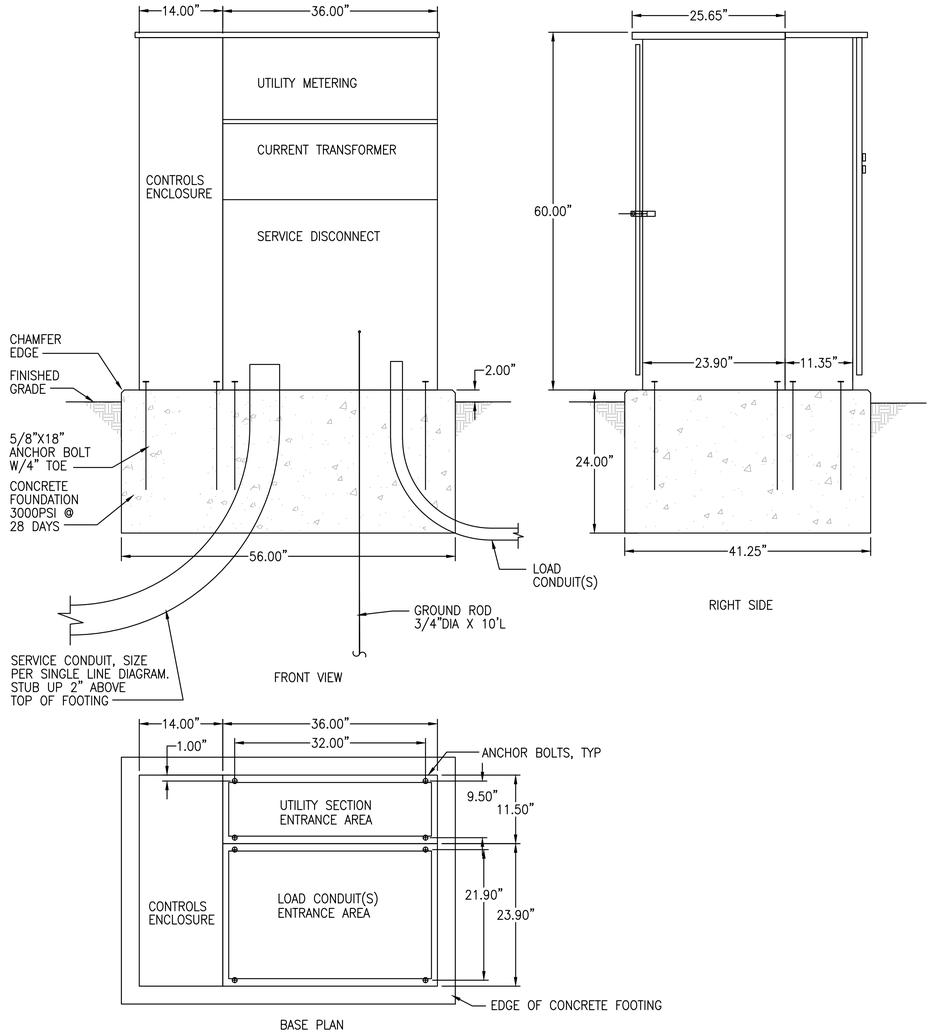
SCALE	AS SHOWN
DESIGNED BY	RR
DRAWN BY	AG
CHECKED BY	JA
RECORD DWGS.	

APPROVED BY: 7/24/23 DATE
CITY ENGINEER
STOCKTON, CALIFORNIA

SHEET NO. E0.2
80 OF 158 SHTS
WR21017 PROJECT NO.

CALL BEFORE YOU DIG USA 800-642-2444

5541.79C 4733 7/13/23



TESCO 24000-SERIES

CONTRACTOR SHALL PROVIDE NAME TAGS FOR CIRCUIT BREAKERS

1 METER SERVICE PEDESTALS #1 & #2

SCALE: NONE

ENCLOSURE CONSTRUCTION NOTES

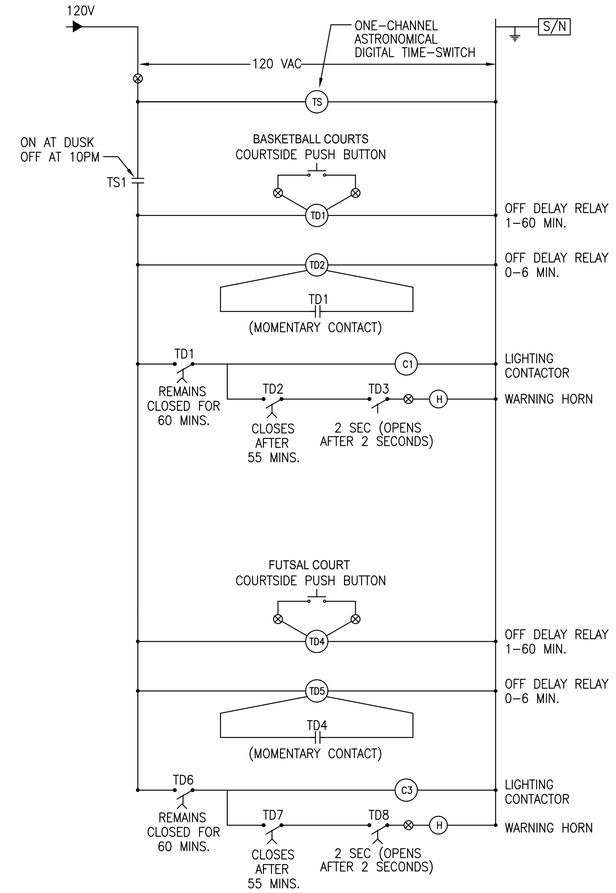
1. FABRICATED FROM 14 GA. #304 D STAINLESS STEEL AND INT. 14 GA. COLD ROLLED STEEL ELECTRICALLY WELDED AND REINFORCED WHERE REQUIRED.
2. CONSTRUCTION WILL BE NEMA 3R, RAINTIGHT.
3. ALL NUTS, BOLTS AND SCREWS WILL BE STAINLESS STEEL.
4. NUTS, BOLTS & SCREWS WILL NOT BE VISIBLE FROM OUTSIDE OF ENCLOSURE.
5. NAMEPLATES WILL BE PROVIDED AS REQUIRED.
6. CONTROL WIRING WILL BE MARKED AT BOTH ENDS BY PERMANENT WIRE MARKERS.
7. A PLASTIC COVERED WIRING DIAGRAM WILL BE ATTACHED TO THE INSIDE OF THE FRONT DOOR.
8. ENCLOSURE WILL BE FACTORY WIRED AND CONFORM TO REQUIRED NEMA STANDARDS.

TESCO'S POLY-PORC COATING SYSTEM

INCLUDES A FIVE STAGE DIP TANK METAL PREPARATION PROCESS:

1. ALKALINE CLEANER.
2. CLEAR WATER RINSE.
3. IRON PHOSPHATE APPLICATION.
4. CLEAR WATER RINSE.
5. INHIBITIVE RINSE TO SEAL PHOSPHATED SURFACES.

FINISHED WITH AN ELECTROSTATICALLY APPLIED DRY POLYESTER POWDER COATING THEN BAKED TO CURE.



2 LIGHTING CONTROL DIAGRAM

SCALE: NTS

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JULY 13, 2023 CALA PROJECT NO. 21013

MCKINLEY PARK RENOVATIONS PROJECT

ELECTRICAL DETAILS

PERMIT REVIEW SET

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Revision No.	Description	Date	By	Aprvd. By
1	RESPONSE TO PERMIT CYCLE 1 COMMENTS	11/14/22		
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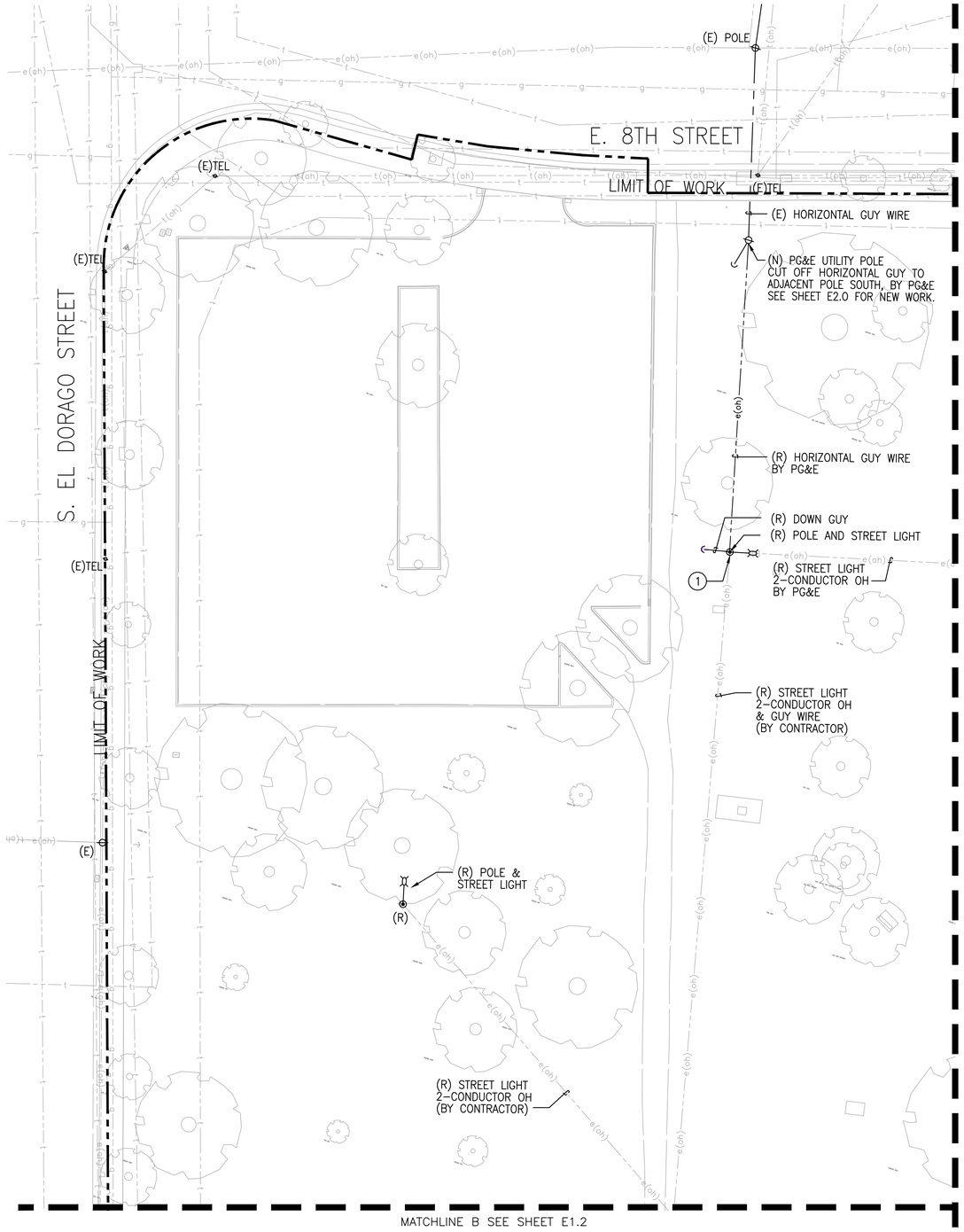
DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN
DESIGNED BY	RR
DRAWN BY	AG
CHECKED BY	JA
RECORD DWGS.	

APPROVED BY: 7/24/23 DATE
CITY ENGINEER
STOCKTON, CALIFORNIA

SHEET NO. E0.3
81 OF 158 SHTS
WR21017 PROJECT NO.

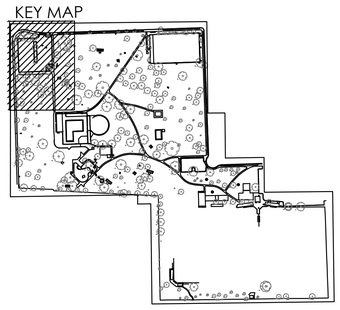
5541.80 4733 7/13/23



DEMOLITION NOTES:

1. REMOVE POLE, FOUNDATION & LIGHT FIXTURE, BACKFILL HOLE AND RESTORE LANDSCAPE PLANTING

KEY MAP



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REGISTERED PROFESSIONAL ENGINEER
JEFFREY H. ARNDT
Lic. No. 19459
Exp: 06/30/2025
Electrical
STATE OF CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By
1	RESPONSE TO PERMIT CYCLE 1 COMMENTS	11/14/22		
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JULY 13, 2023 CALA PROJECT NO. 21013

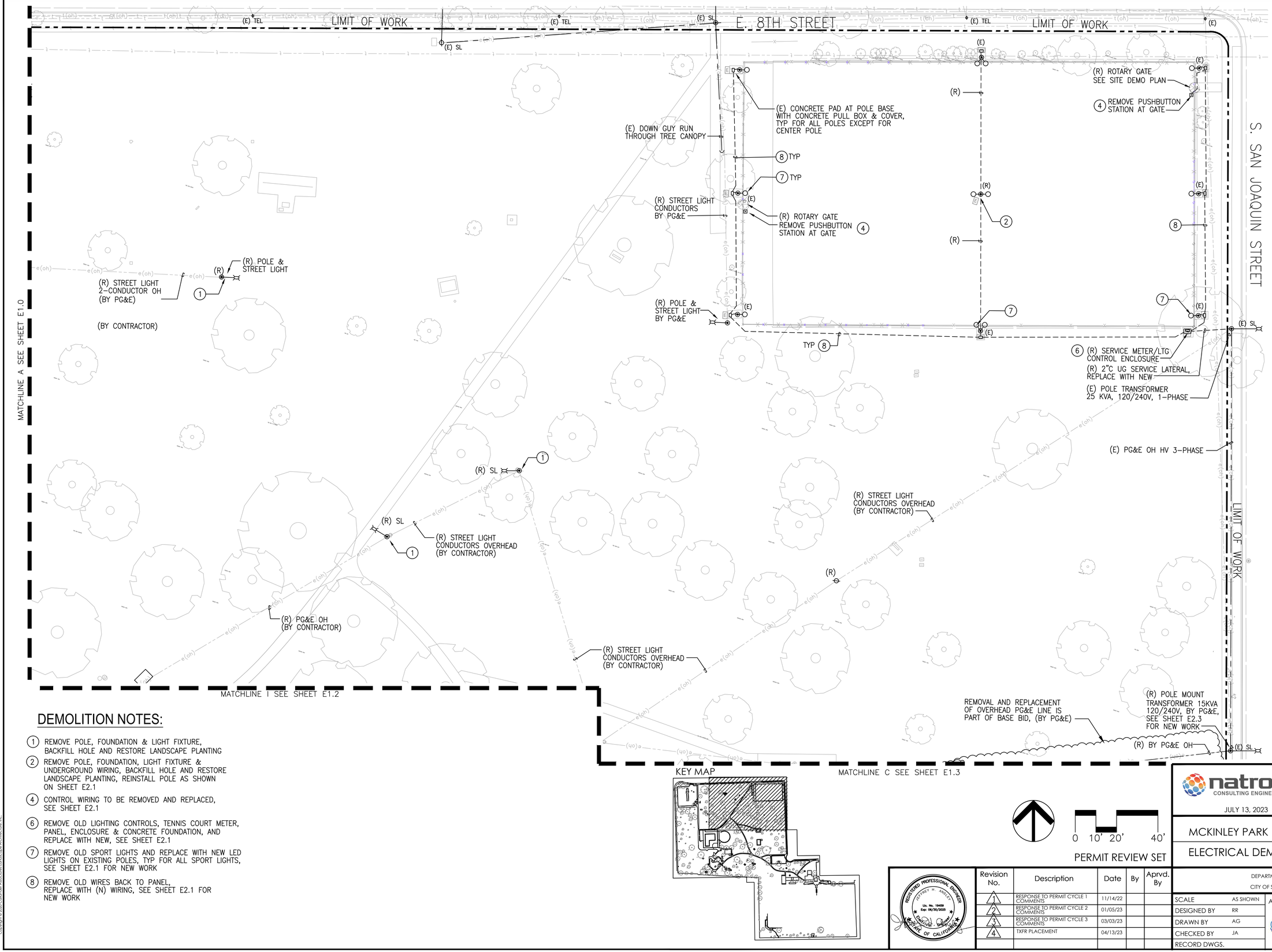
MCKINLEY PARK RENOVATIONS PROJECT

ELECTRICAL DEMOLITION PLAN

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE	SHEET NO. E1.0
DESIGNED BY	RR	CITY ENGINEER	82 OF 158 SHTS
DRAWN BY	AG	STOCKTON, CALIFORNIA	WR21017 PROJECT NO.
CHECKED BY	JA		
RECORD DWGS.			

5541.81C 4733 7/13/23



DEMOLITION NOTES:

1. REMOVE POLE, FOUNDATION & LIGHT FIXTURE, BACKFILL HOLE AND RESTORE LANDSCAPE PLANTING
2. REMOVE POLE, FOUNDATION, LIGHT FIXTURE & UNDERGROUND WIRING, BACKFILL HOLE AND RESTORE LANDSCAPE PLANTING, REINSTALL POLE AS SHOWN ON SHEET E2.1
4. CONTROL WIRING TO BE REMOVED AND REPLACED, SEE SHEET E2.1
6. REMOVE OLD LIGHTING CONTROLS, TENNIS COURT METER, PANEL, ENCLOSURE & CONCRETE FOUNDATION, AND REPLACE WITH NEW, SEE SHEET E2.1
7. REMOVE OLD SPORT LIGHTS AND REPLACE WITH NEW LED LIGHTS ON EXISTING POLES, TYP FOR ALL SPORT LIGHTS, SEE SHEET E2.1 FOR NEW WORK
8. REMOVE OLD WIRES BACK TO PANEL, REPLACE WITH (N) WIRING, SEE SHEET E2.1 FOR NEW WORK

KEY MAP

0 10' 20' 40'

PERMIT REVIEW SET

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JULY 13, 2023 CALA PROJECT NO. 21013

MCKINLEY PARK RENOVATIONS PROJECT

ELECTRICAL DEMOLITION PLAN

REGISTERED PROFESSIONAL ENGINEER JEFFREY H. ANSTEY Lic. No. 19459 Exp: 08/30/2025 ELECTRICAL STATE OF CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By
1	RESPONSE TO PERMIT CYCLE 1 COMMENTS	11/14/22		
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DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE	SHEET NO. E1.1
DESIGNED BY	RR		83 OF 158 SHTS
DRAWN BY	AG		
CHECKED BY	JA	CITY ENGINEER	WR21017 PROJECT NO.
RECORD DWGS.		STOCKTON, CALIFORNIA	

5541.82C 4733 7/13/23

MATCHLINE B SEE SHEET E1.0

MATCHLINE I SEE SHEET E1.1

MATCHLINE D SEE SHEET E1.3

S. EL DORADO STREET

(R) 15KVA TRANSFORMER 120/240V, 3-PHASE (BY PG&E), SEE SHEET E2.2 FOR NEW WORK

(E)

(R) OH (BY PG&E)

(R) OH (BY CONTRACTOR)

(R) SL POLE BY PG&E, CONTRACTOR TO BACKFILL HOLE & RESTORE LANDSCAPE

(R) UG

(R) 9

(R) DOWN GUY

(R) SL

1

(E) TEL OH

(E) TELEPHONE SERVICE CABLE

(E) TEL POLE

(E)

(R) OH TEL BY TELCO

(R) UG

(E) POOL

(E) PG&E OVERHEAD LINE HV 3-PHASE

(R) 9

(R) 9

(E) SL

(E) PG&E OVERHEAD LINE HV 3-PHASE

(E) METER/MAIN

(E) IRRIGATION PUMP RM

(E) SERVICE LATERAL TO METER/MAIN ON IRRIGATION PUMP RM

(E) TEL

(E) PG&E OH

(R) SL

(R) SL OH BY PG&E

(R) SL POLE BY PG&E, CONTRACTOR TO BACKFILL HOLE & RESTORE LANDSCAPE PLANTING

(R) SL

(R) SL POLE BY PG&E CONTRACTOR TO BACKFILL HOLE & RESTORE LANDSCAPE PLANTING

(E) PG&E OH

(E)

POLE WITH DOWN GUY

(E) PG&E OH

(R) SL OH BY PG&E

(E)

(E) POLE WITH 2-15KVA TRANSFORMERS, 120/240V, 3-PHASE

(E) PG&E OH

(E)

(E)

LIMIT OF WORK

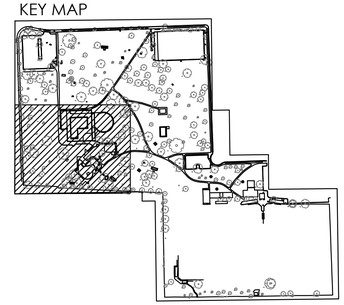
DEMOLITION NOTES:

1

3

9 REMOVE POLE, FOUNDATION, LIGHT FIXTURE & UNDERGROUND WIRING, BACKFILL HOLE AND RESTORE LANDSCAPE PLANTING

KEY MAP



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PERMIT REVIEW SET

0 10' 20' 40'

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Revision No.	Description	Date	By	Aprvd. By
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JULY 13, 2023

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MCKINLEY PARK RENOVATIONS PROJECT

ELECTRICAL DEMOLITION PLAN

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE	SHEET NO. E1.2
DESIGNED BY	RR		84 OF 158 SHTS
DRAWN BY	AG		
CHECKED BY	JA	CITY ENGINEER	WR21017 PROJECT NO.
RECORD DWGS.		STOCKTON, CALIFORNIA	

5541.83C 4733 7/13/23

MATCHLINE C SEE SHEET E1.1

(E) RESTROOM BLDG

(R) SL

(R) PG&E OH BY PG&E

(R) PG&E OH

(R) POLE BY PG&E

REMOVAL AND REPLACEMENT OF OVERHEAD PG&E LINE IS PART OF BASE BID, (BY PG&E)

(E) UNDERGROUND FEEDER TO RESTROOM PANEL

(R) SERVICE LATERAL

(R) METER/MAIN (10)

(R) PANEL (10)

(E) STORAGE BLDG

REMOVE STREET LIGHT CONDUCTORS OVERHEAD (BY CONTRACTOR)

S. SAN JOAQUIN STREET

LIMIT OF WORK

REMOVE POLE & STREET LIGHT (1)

REMOVE STREET LIGHT CONDUCTORS OVERHEAD (BY CONTRACTOR)

REMOVE STREET LIGHT CONDUCTORS OVERHEAD (BY CONTRACTOR)

REMOVE POLE & STREET LIGHT (13) SEE SHEET E2.3 FOR NEW WORK

E. 9TH STREET

MATCHLINE D SEE SHEET E1.2

MATCHLINE G SEE SHEET E1.6

MATCHLINE J SEE SHEET E1.5

MATCHLINE K SEE SHEET E1.5

(E) DOWN GUY, EXTENDS 19'6" FROM POLE

(E) POLE TO REMAIN

(E) PG&E OH

LIMIT OF WORK

(E)

(E) SL

(R) 3

EXISTING OVERHEAD LINES: 3 PHASE HV, 120/240V 1-PHASE, TELEPHONE

(E) BASKETBALL COURT

(E) POLE TO REMAIN

(E) PG&E OH (E) TEL OH

(E) HANDBALL COURT

(E) SPORTS COURTS

(E) OVERHEAD HV 3-PHASE

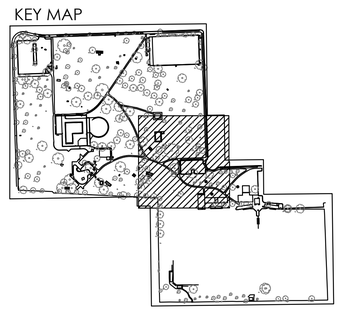
MATCHLINE E SEE SHEET E1.4

0 10' 20' 40'

DEMOLITION NOTES:

1. REMOVE POLE, FOUNDATION & LIGHT FIXTURE, BACKFILL HOLE AND RESTORE LANDSCAPE PLANTING
3. REMOVE POLE AND FOUNDATION, BACKFILL HOLE AND RESTORE LANDSCAPE PLANTING
5. EXISTING SPORT LIGHT POLES TO REMAIN. REPLACE LIGHT FIXTURES WITH (N) LED FLOOD LIGHT, REWIRE BRANCH CIRCUIT TO NEW ELEC SERVICE METER PEDESTAL #2, SEE SHEET E2.3 FOR NEW WORK
10. REMOVE OLD METER/MAIN ON EXTERIOR WALL OF BLDG. AND REPLACE WITH NEW, REMOVE OLD PANEL INSIDE BLDG AND REPLACE WITH NEW, SEE SHEET E2.3 FOR NEW WORK
13. (E) STREET LIGHT POLE TO BE REMOVED AFTER NEW LIGHT POLE IS INSTALLED NEARBY AND CONNECTED TO POWER SUPPLY BY UTILITY. REMOVE POLE AND FOUNDATION, BACKFILL HOLE AND RESTORE LANDSCAPE PLANTING

KEY MAP



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JULY 13, 2023 CALA PROJECT NO. 21013

MCKINLEY PARK RENOVATIONS PROJECT

ELECTRICAL DEMOLITION PLAN

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY: DATE 7/24/23	SHEET NO. E1.3
DESIGNED BY	RR	CITY ENGINEER	85 OF 158 SHTS
DRAWN BY	AG	STOCKTON, CALIFORNIA	WR21017 PROJECT NO.
CHECKED BY	JA		
RECORD DWGS.			

5541.84C 4733 7/13/23

MATCHLINE E SEE SHEET E1.3

(E) BASKETBALL COURT

(R)

1

11

wood

MATCHLINE K SEE SHEET E1.5

MATCHLINE H SEE SHEET E1.5

(E) OVERHEAD HV 3 PHASE

(E)

(E) OVERHEAD HV 3 PHASE

MATCHLINE F SEE SHEET E1.5

(E) BLDG

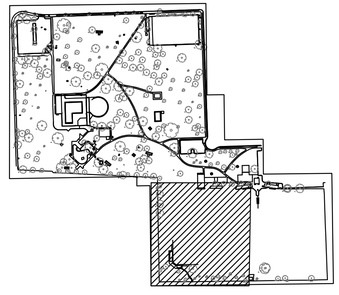
(E)

(E) PG&E OH

DEMOLITION NOTES:

1. REMOVE POLE, FOUNDATION & LIGHT FIXTURE, BACKFILL HOLE AND RESTORE LANDSCAPE PLANTING
11. REMOVE UNDERGROUND CONDUIT & WIRING BETWEEN SPORT LIGHT POLES

KEY MAP



0 10' 20' 40'

PERMIT REVIEW SET

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JULY 13, 2023

CALA PROJECT NO. 21013

MCKINLEY PARK RENOVATIONS PROJECT

ELECTRICAL DEMOLITION PLAN

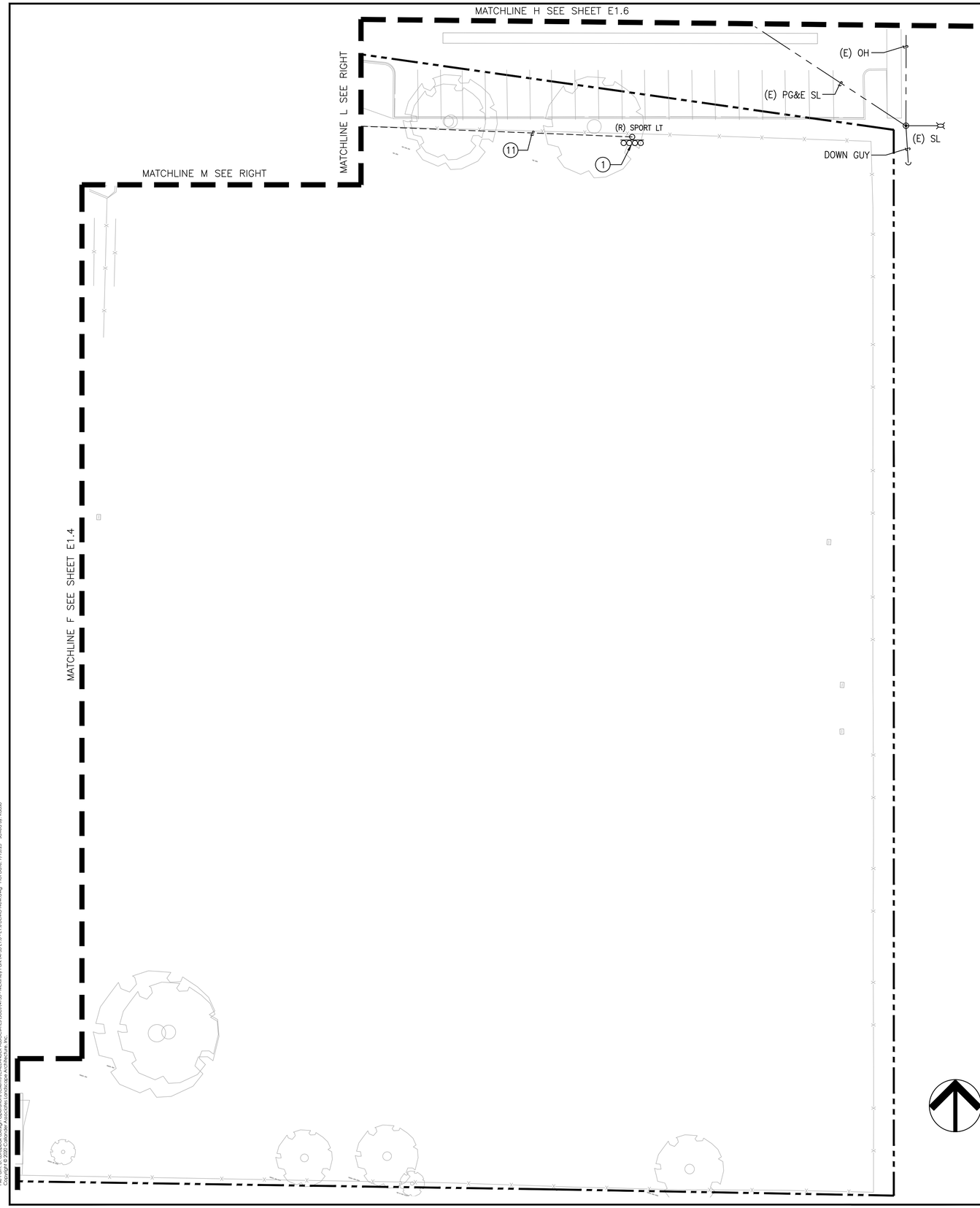
REGISTERED PROFESSIONAL ENGINEER JEFFREY H. ARNEY Lic. No. 19458 Exp: 08/30/2025 ELECTRICAL STATE OF CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By
1	RESPONSE TO PERMIT CYCLE 1 COMMENTS	11/14/22		
2	RESPONSE TO PERMIT CYCLE 2 COMMENTS	01/05/23		
3	RESPONSE TO PERMIT CYCLE 3 COMMENTS	03/03/23		
4	TXFR PLACEMENT	04/13/23		

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

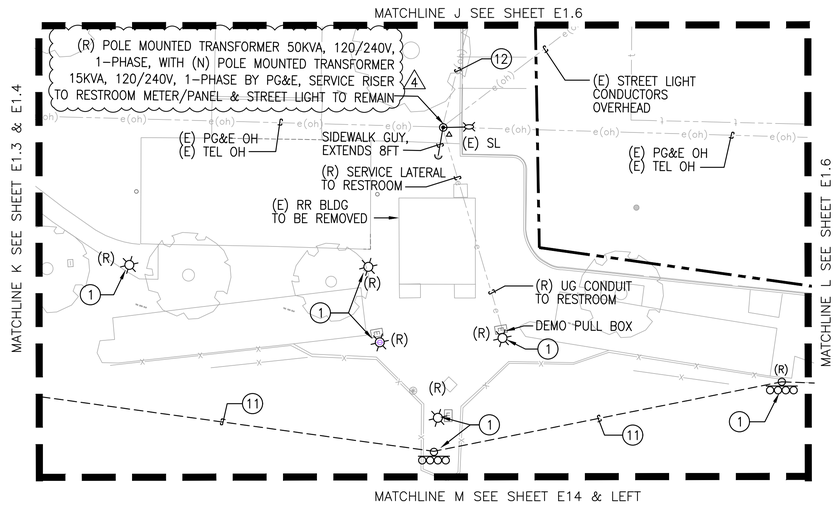
SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE	SHEET NO. E1.4
DESIGNED BY	RR		86 OF 158 SHTS
DRAWN BY	AG		
CHECKED BY	JA	CITY ENGINEER	WR21017 PROJECT NO.
RECORD DWGS.		STOCKTON, CALIFORNIA	

5541.85C 4733 7/13/23

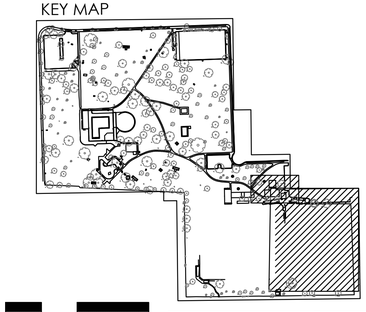


SHEET NOTES:

1. REMOVE POLE, FOUNDATION & LIGHT FIXTURE, BACKFILL HOLE AND RESTORE LANDSCAPE PLANTING
11. REMOVE UNDERGROUND CONDUIT & WIRING BETWEEN SPORT LIGHT POLES
12. (E) PG&E OH CABLE & TEL



KEY MAP



0 10' 20' 40'

PERMIT REVIEW SET

REGISTERED PROFESSIONAL ENGINEER
JEFFREY H. ANGLE
Lic. No. 19450
Exp: 06/30/2025
CIVIL
STATE OF CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By
1	RESPONSE TO PERMIT CYCLE 1 COMMENTS	11/14/22		
2	RESPONSE TO PERMIT CYCLE 2 COMMENTS	01/05/23		
3	RESPONSE TO PERMIT CYCLE 3 COMMENTS	03/03/23		
4	TXFR PLACEMENT	04/13/23		

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JULY 13, 2023 CALA PROJECT NO. 21013

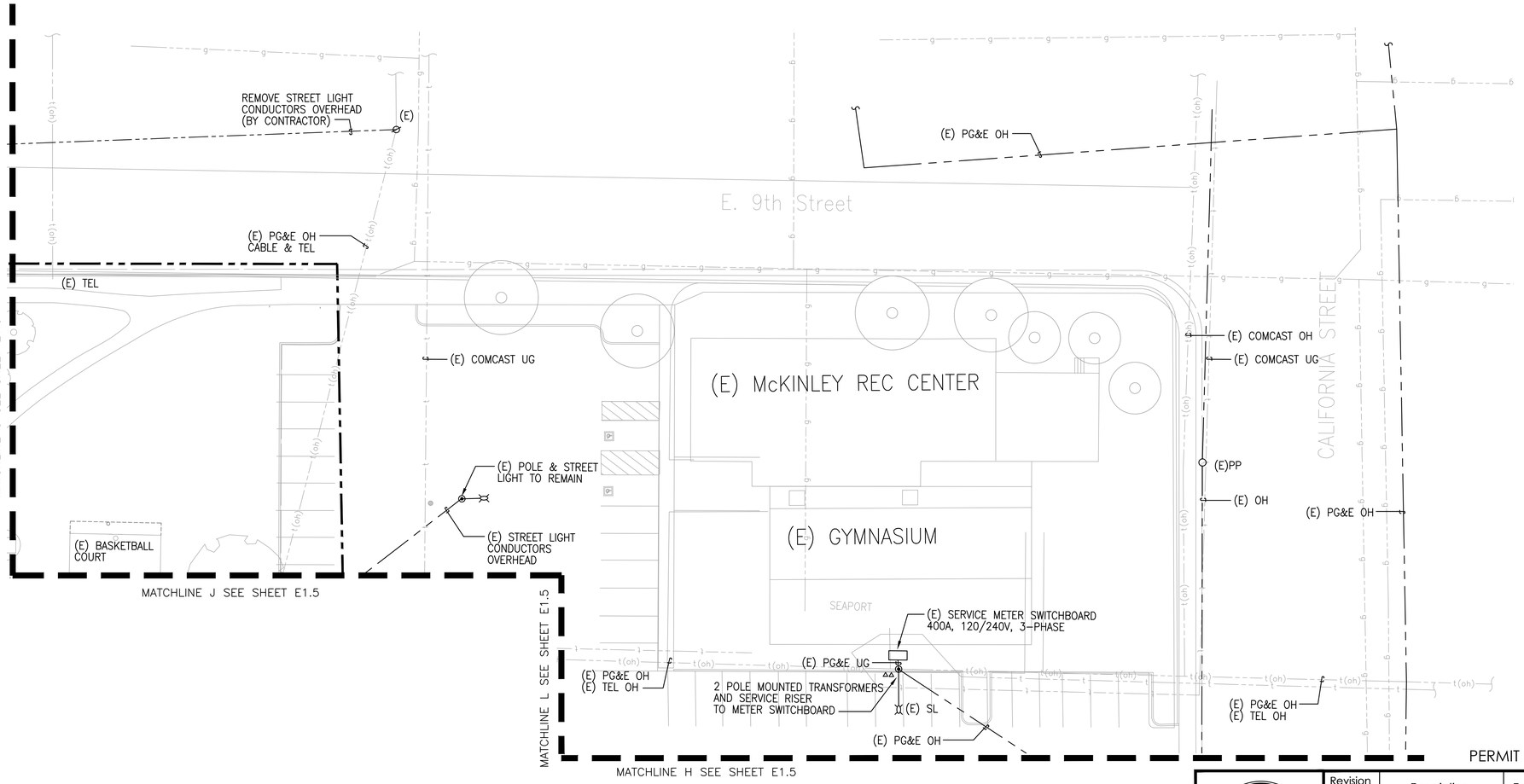
MCKINLEY PARK RENOVATIONS PROJECT

ELECTRICAL DEMOLITION PLAN

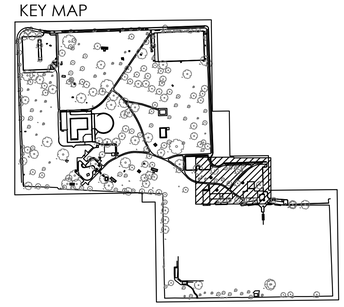
DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE	SHEET NO. E1.5
DESIGNED BY	RR	CITY ENGINEER	87 OF 158 SHTS
DRAWN BY	AG	STOCKTON, CALIFORNIA	WR21017 PROJECT NO.
CHECKED BY	JA		
RECORD DWGS.			

5541.86C 4733 7/13/23



KEY MAP



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REGISTERED PROFESSIONAL ENGINEER JEFFREY H. ANDERT Lic. No. 19458 Exp: 06/30/2025 ELECTRICAL STATE OF CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By
1	RESPONSE TO PERMIT CYCLE 1 COMMENTS	11/14/22		
2	RESPONSE TO PERMIT CYCLE 2 COMMENTS	01/05/23		
3	RESPONSE TO PERMIT CYCLE 3 COMMENTS	03/03/23		
4	TXFR PLACEMENT	04/13/23		

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JULY 13, 2023 CALA PROJECT NO. 21013

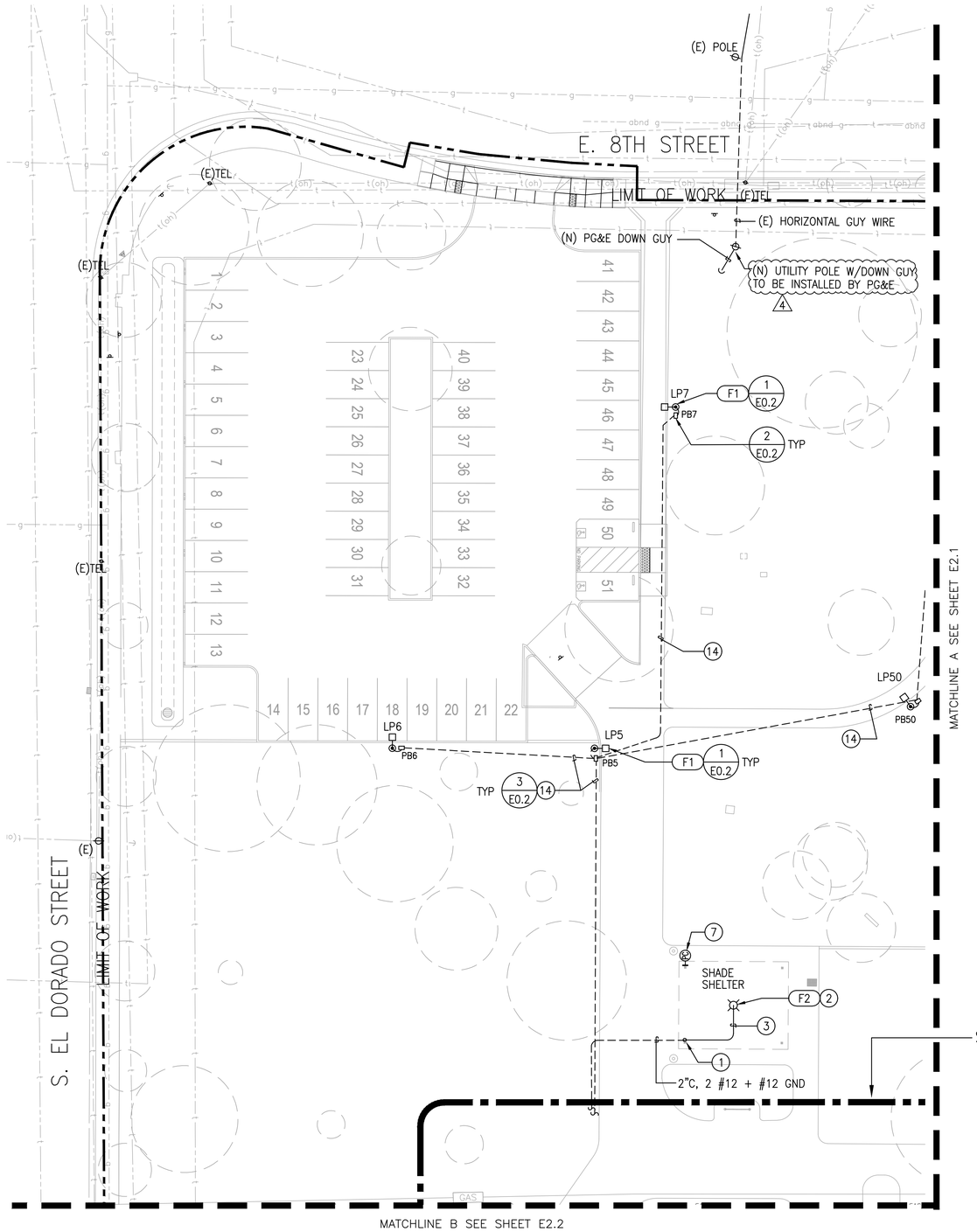
MCKINLEY PARK RENOVATIONS PROJECT

ELECTRICAL DEMOLITION PLAN

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE	SHEET NO. E1.6
DESIGNED BY	RR		88 OF 158 SHTS
DRAWN BY	AG		
CHECKED BY	JA	CITY ENGINEER	WR21017 PROJECT NO.
RECORD DWGS.		STOCKTON, CALIFORNIA	

5541.87C 4733 7/13/23



SHEET NOTES:

(1) 1/2"C PVC STUBBED UP THROUGH STEEL BASEPLATE OF SHADE STRUCTURE COLUMN. COLUMN TO HAVE HANDHOLE AND COVER PLATE AT +18"ABOVE GRADE. SEE SHADE STRUCTURE DRAWINGS

(2) PLACE LIGHT FIXTURE F2 ON A CUSTOM FABRICATED METAL ADAPTER TO ALLOW FIXTURE TO BE MOUNTED HORIZONTALLY ON METAL FRAME OF THE SHADE STRUCTURE. MOUNT FIXTURE ON CAST OUTLET BOX. CONCEAL WIRING WITHIN METAL FRAMING

(3) 2 #12 + #12 GND MC CABLE RUN IN SHADE STRUCTURE TUBING

(4) (N) 3"CO PRIMARY TO AQUATICS BLDG XFMR

(6) 2"C, 2 #6 + #6 GND TO AQUATICS BLDG PANEL

(7) PHOTOCONTROL FOR SHADE STRUCTURE LIGHTS, MOUNT ON NORTH SIDE OF POST AT +10' MIN

(14) 2"C, 2 #6 + #6 GND (PATHWAY LIGHTING)

(18) SERVICE PULL BOX PER PG&E DRAWINGS

(19) COMMUNICATIONS PULL BOX

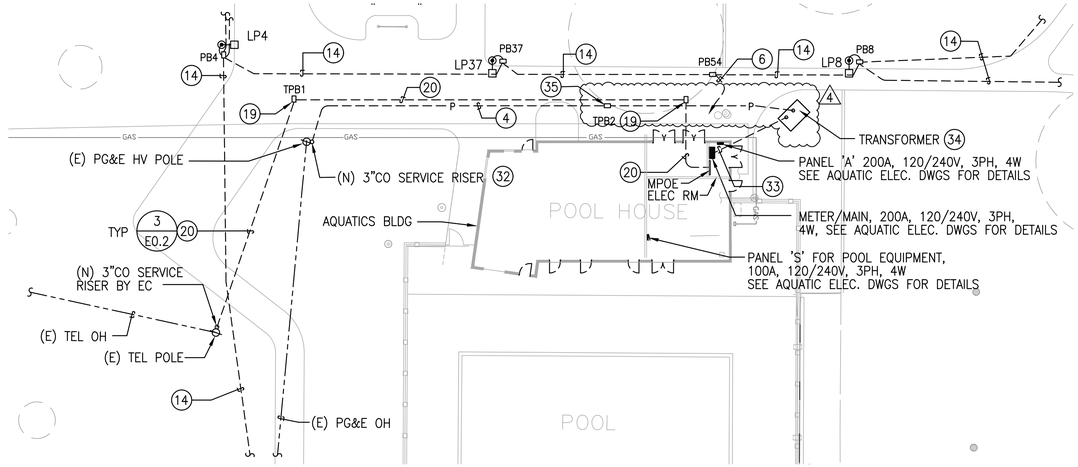
(20) 3"CO TELEPHONE SERVICE WITH PULL STRINGS

(32) RISER POLE BY CONTRACTOR, SEE DETAIL 5 SHEET E0.2

(33) 3"CO SERVICE LATERAL

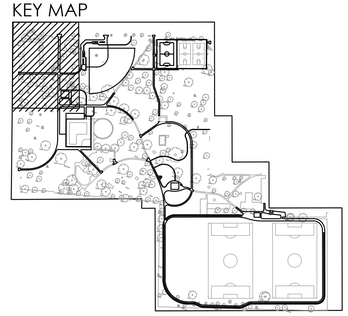
(34) PG&E PAD MOUNTED TRANSFORMER

(35) LOOP CABLE IN #5 IVT BOX. 4



DETAIL 2

KEY MAP



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MCKINLEY PARK RENOVATIONS PROJECT

ELECTRICAL PLAN

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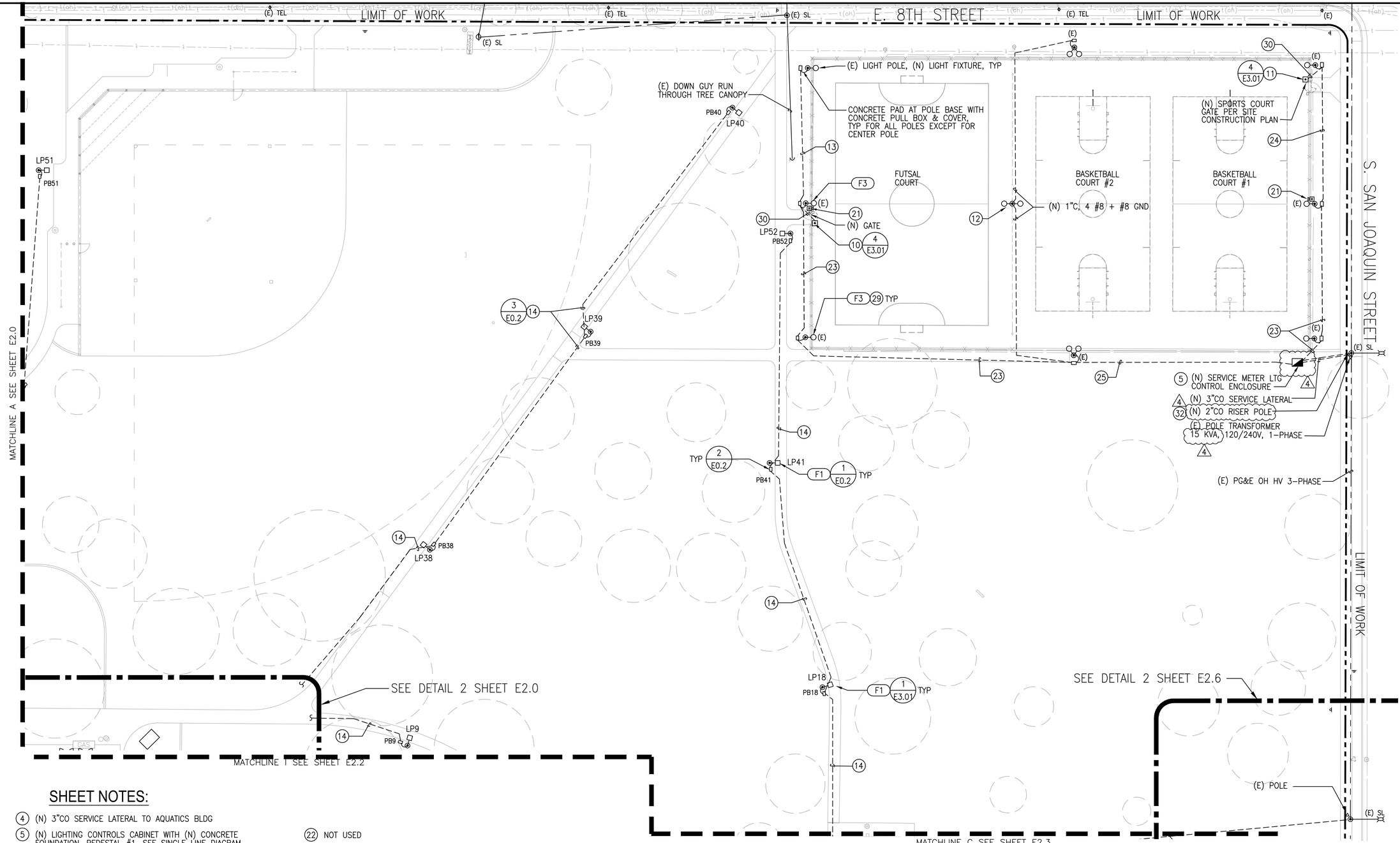
REGISTERED PROFESSIONAL ENGINEER JEFFREY H. ANDREY Lic. No. 18408 Exp: 06/30/2025 ELECTRICAL STATE OF CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By
1	RESPONSE TO PERMIT CYCLE 1 COMMENTS	11/14/22		
2	RESPONSE TO PERMIT CYCLE 2 COMMENTS	01/05/23		
3	RESPONSE TO PERMIT CYCLE 3 COMMENTS	03/03/23		
4	TXFR PLACEMENT	04/13/23		

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY: DATE 7/24/23	SHEET NO. E2.0
DESIGNED BY	RR		89 OF 158 SHTS
DRAWN BY	AG		
CHECKED BY	JA	CITY ENGINEER	WR21017 PROJECT NO.
RECORD DWGS.		STOCKTON, CALIFORNIA	

5541.88C 4733 7/13/23



SHEET NOTES:

4. (N) 3"CO SERVICE LATERAL TO AQUATICS BLDG
5. (N) LIGHTING CONTROLS CABINET WITH (N) CONCRETE FOUNDATION, PEDESTAL #1, SEE SINGLE LINE DIAGRAM DET.1 SHEET E0.1
6. 2"C, 2 #6 + #6 GND TO AQUATICS BLDG PANEL 'A'
10. (N) PUSHBUTTON STATION FOR FUTSAL COURT LIGHTS ONLY, WIRED TO CONTROL PANEL
11. (N) PUSHBUTTON STATION FOR BASKETBALL COURT LIGHTS ONLY, WIRED TO CONTROL PANEL
12. RELOCATED POLE WITH (N) TWO LIGHT FIXTURES, REINFORCED CONCRETE BASE AND 1"ø X 36"L ANCHOR BOLTS
13. INSTALL (N) 2 #8 + #8 GND IN (E) CONDUIT
14. 2"C, 2 #6 + #6 GND (PATHWAY LIGHTING)
19. NOT USED
20. NOT USED
21. (N) WARNING WEATHERPROOF VIBRATING HORN, 120V AC BY EDWARDS SIGNALING #876-N5, MOUNT AT +14' AFG
22. NOT USED
23. (E) CONDUIT, (N) 2 #8 + #8 PWR + 2 #12 FOR WARNING HORN 2 #12 FOR PUSHBUTTON
24. (E) CONDUIT, (N) 2 #8 + #8 PWR + 2 #12 FOR PUSHBUTTON
25. (E) CONDUIT, (N) 4 #8 + #8 PWR + 2 #12 FOR WARNING HORN 2 #12 FOR PUSHBUTTON
29. (N) LED LIGHT FIXTURE TO REPLACE OLD ON EXISTING POLE
30. (N) 3/4"C, 2 #12 + #12 GND FOR PUSHBUTTON
32. RISER POLE BY CONTRACTOR, SEE DETAIL 5 SHEET E0.2

KEY MAP

0 10' 20' 40'

PERMIT REVIEW SET

REGISTERED PROFESSIONAL ENGINEER JEFFREY H. ARENT Lic. No. 19408 Exp: 06/30/2025 ELECTRICAL STATE OF CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By
1	RESPONSE TO PERMIT CYCLE 1 COMMENTS	11/14/22		
2	RESPONSE TO PERMIT CYCLE 2 COMMENTS	01/05/23		
3	RESPONSE TO PERMIT CYCLE 3 COMMENTS	03/03/23		
4	TXFR PLACEMENT	04/13/23		

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JULY 13, 2023 CALA PROJECT NO. 21013

MCKINLEY PARK RENOVATIONS PROJECT

ELECTRICAL PLAN

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE	SHEET NO. E2.1
DESIGNED BY	RR		90 OF 158 SHTS
DRAWN BY	AG		
CHECKED BY	JA	CITY ENGINEER	WR21017 PROJECT NO.
RECORD DWGS.		STOCKTON, CALIFORNIA	

5541.89C 4733 7/13/23

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MATCHLINE B SEE SHEET E2.0

MATCHLINE I SEE SHEET E2.1

(E) PG&E HV POLE

(N) 3"CO SERVICE RISER

POOL HOUSE

POOL

(E) TEL OH

(E) TEL POLE

S. EL DORADO STREET

LIMIT OF WORK

SEE DETAIL 2 SHEET E2.0

LP3

PB3

14

LP10

PB10

LP14

PB14

(E) SL

22

PB16

LP16

(E) METER/MAIN

(E) IRRIGATION PUMP RM

(E) SERVICE LATERAL TO METER/MAIN ON IRRIGATION PUMP RM

(E) IRRIGATION PUMP RM

14 26 TO (E) PANEL ON PUMP BLDG

PB48

LP48

LP12

PB12

PB2

2 E0.2 TYP

LP2

F1

1 E0.2 TYP

TYP 3 E0.2 14

(E)TEL

PB46

LP46

LP47

PB47

PB1

LP1

(E) PG&E OH

PB13

LP13

(E) PG&E OH

POLE WITH DOWN GUY

(E)

LIMIT OF WORK

(E) PG&E OH

(E) POLE WITH 2-15KVA TRANSFORMERS, 120/240V, 3-PHASE

(E) PG&E OH

(E)

(E) PG&E OH

MATCHLINE D SEE SHEET E2.3

PERMIT REVIEW SET

SHEET NOTES:

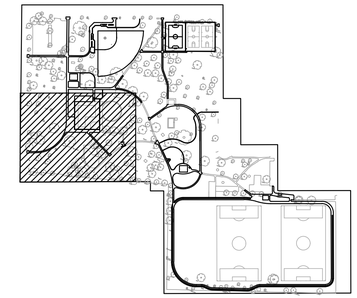
(14) 2"C, 2 #6 + #6 GND (PATHWAY LIGHTING)

(20) NOT USED

(22) REMOVE OLD LUMINAIRE AND REPLACE WITH PATHWAY TYPE F1 LUMINAIRE UTILIZING (E) MAST ARM

(26) PROVIDE (N) 20A/2P CIRCUIT BREAKER IN (E) PANEL FOR PATH LIGHTING

KEY MAP



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0 10' 20' 40'

REGISTERED PROFESSIONAL ENGINEER JEFFREY H. ARNEY Lic. No. 19459 Exp: 06/30/2025 Electrical STATE OF CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By
1	RESPONSE TO PERMIT CYCLE 1 COMMENTS	11/14/22		
2	RESPONSE TO PERMIT CYCLE 2 COMMENTS	01/05/23		
3	RESPONSE TO PERMIT CYCLE 3 COMMENTS	03/03/23		
4	TXFR PLACEMENT	04/13/23		

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JULY 13, 2023

CALA PROJECT NO. 21013

MCKINLEY PARK RENOVATIONS PROJECT

ELECTRICAL PLAN

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE	SHEET NO. E2.2
DESIGNED BY	RR		91 OF 158 SHTS
DRAWN BY	AG		
CHECKED BY	JA	CITY ENGINEER	WR21017 PROJECT NO.
RECORD DWGS.		STOCKTON, CALIFORNIA	

5541.90C 4733 7/13/23

MATCHLINE C SEE SHEET E2.2

(E) RESTROOM BLDG

PB55 N30

(N) 3"CO UG PRIMARY

PB19

LP19

PB42

LP42

3 E0.2 14

14

F1 1 E0.2 TYP

2 E0.2 TYP

(E) UNDERGROUND FEEDER TO RESTROOM PANEL

(N) 3"CO UG PRIMARY

PB64

4

(N) XFMR 15KVA, 120/240V, 1ø, 3W

(E) STORAGE BLDG MAINTENANCE

(N) METER/MAIN

(N) PANEL 'M', 100A 120/240V, 1ø, 3W

14 TO (N) PANEL 'M'

LP20

PB20

SEE DETAIL 2 SHEET E2.6

S. SAN JOAQUIN STREET

LIMIT OF WORK

2"CO, W/PULL ROPE, CONDUCTORS BY CONTRACTOR

(N) STREET LIGHT POLE BY CONTRACTOR

PB11

LP11

LP21

PB21

TYP 3 E0.2 14

PB43

LP43

PB0

F5

E. 9TH STREET

20 19 18 17 16 15 14 13 12 11

10 9 8 7 6 5 4 3 2 1

MATCHLINE D SEE SHEET E2.2

7

F1

PB15

LP15

1

3

F2 2

SHADE SHELTER

LP44

PB44

PB24

LP24

16

MATCHLINE G SEE SHEET E2.6

PB23

LP23

(E) DOWN GUY, EXTENDS 19'6" FROM POLE

(E) PG&E OH

(E) POLE TO REMAIN

(E) SL

(E) OVERHEAD HV 3-PHASE

PB45

LP45

PB22

LP22

EXISTING OVERHEAD LINES: 3 PHASE HV, 120/240V, 1-PHASE, TELEPHONE

(E) POLE TO REMAIN

(E) PG&E OH

(E) TEL OH

PB63

15

F4 31

28

(E) SPORTS COURTS

27

21

MATCHLINE J SEE SHEET E2.5

MATCHLINE K SEE SHEET E2.5

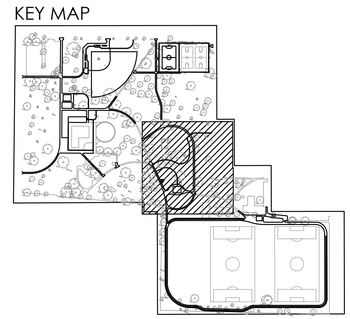
MATCHLINE E SEE SHEET E2.4

0 10' 20' 40'

SHEET NOTES:

1. 1/2"C PVC STUBBED UP THROUGH STEEL BASEPLATE OF SHADE STRUCTURE COLUMN. COLUMN TO HAVE HANDHOLE AND COVER PLATE AT +18"ABOVE GRADE. SEE SHADE STRUCTURE DRAWINGS
2. PLACE LIGHT FIXTURE F2 ON A CUSTOM FABRICATED METAL ADAPTER TO ALLOW FIXTURE TO BE MOUNTED HORIZONTALLY ON METAL FRAME OF THE SHADE STRUCTURE. MOUNT FIXTURE ON CAST OUTLET BOX. CONCEAL WIRING WITHIN METAL FRAMING
3. 2 #12 + #12 GND MC CABLE RUN IN SHADE STRUCTURE TUBING
7. PHOTOCONTROL FOR SHADE STRUCTURE LIGHTS, MOUNT ON NORTH SIDE OF POST AT +10'AFG MIN
14. 2"C, 2 #6 + #6 GND (PATHWAY LIGHTING)
15. 2"C, 2 #10 (LTG) + 4 #12 (2 PUSHBUTTONS) + 3 #12 (2 WARNING HORNS) + #8 GND TO (N) PEDESTAL #2
16. (E) PG&E OH CABLE & TEL
27. (N) PUSHBUTTON STATION FOR SPORTS COURTS LIGHTS, WIRED TO CONTROL PANEL
28. 1"C, 2 #10 (LTG) + 2 #12 (PUSHBUTTON) + 2 #12 (WARNING HORN) + #8 GND TO (N) PEDESTAL #2
31. CLEAN AND REPAINT (E) POLES

KEY MAP



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REGISTERED PROFESSIONAL ENGINEER JEFFREY H. ARNEY Lic. No. 19458 Exp: 06/30/2025 ELECTRICAL ENGINEER STATE OF CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By
1	RESPONSE TO PERMIT CYCLE 1 COMMENTS	11/14/22		
2	RESPONSE TO PERMIT CYCLE 2 COMMENTS	01/05/23		
3	RESPONSE TO PERMIT CYCLE 3 COMMENTS	03/03/23		
4	TXFR PLACEMENT	04/13/23		

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JULY 13, 2023 CALA PROJECT NO. 21013

MCKINLEY PARK RENOVATIONS PROJECT

ELECTRICAL PLAN

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE	SHEET NO. E2.3
DESIGNED BY	RR		92 OF 158 SHTS
DRAWN BY	AG		
CHECKED BY	JA	CITY ENGINEER	WR21017 PROJECT NO.
RECORD DWGS.		STOCKTON, CALIFORNIA	

5541.91C 4733 7/13/23

MATCHLINE E SEE SHEET E2.3

MATCHLINE K SEE SHEET E2.5

MATCHLINE H SEE SHEET E2.5

MATCHLINE F SEE SHEET E2.5

LIMIT OF WORK

LIMIT OF WORK

(E) OVERHEAD HV 3 PHASE

(E) PG&E OH

(E)

(E)

LP17

PB17

PB26

LP26

PB27

LP27

LP34

PB34

LP35

PB35

LP36

PB36

PB58

PB61

14

17

F1 1 E0.2 TYP

TYP 2 E0.2

14 3 E0.2 TYP

1-2"C0

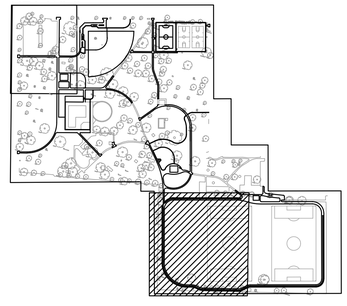
1-2"C0

SHEET NOTES:

(14) 2"C, 2 #6 + #6 GND (PATHWAY LIGHTING)

(17) PULL BOX FOR FUTURE SOCCER FIELD LIGHTS WITH 2" EMPTY CONDUIT(S) AND PULL WIRE

KEY MAP



0 10' 20' 40'

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JULY 13, 2023

CALA PROJECT NO. 21013

MCKINLEY PARK RENOVATIONS PROJECT

ELECTRICAL PLAN

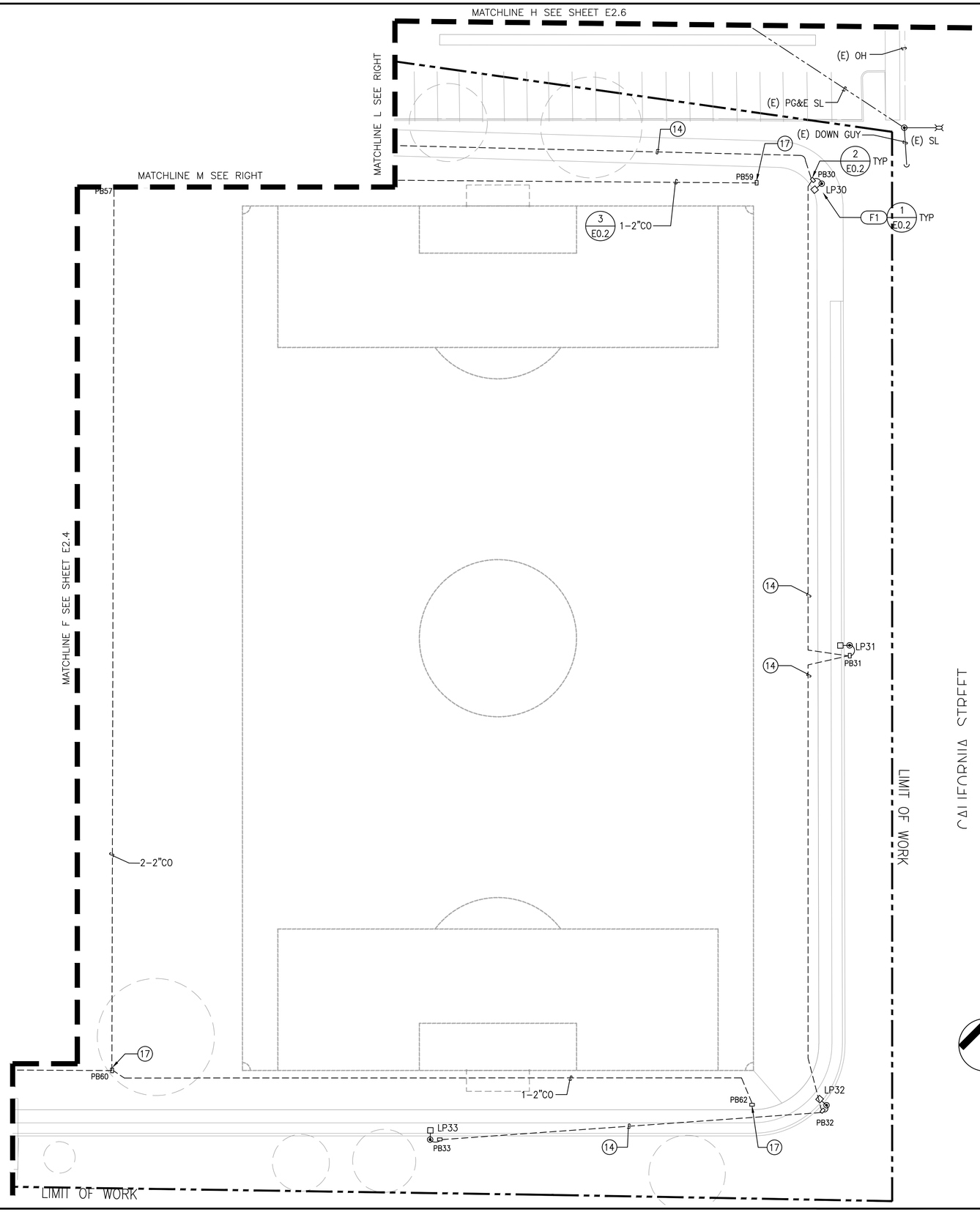
REGISTERED PROFESSIONAL ENGINEER JEFFREY H. ARNEY Lic. No. 19459 Exp: 06/30/2025 Electrical STATE OF CALIFORNIA

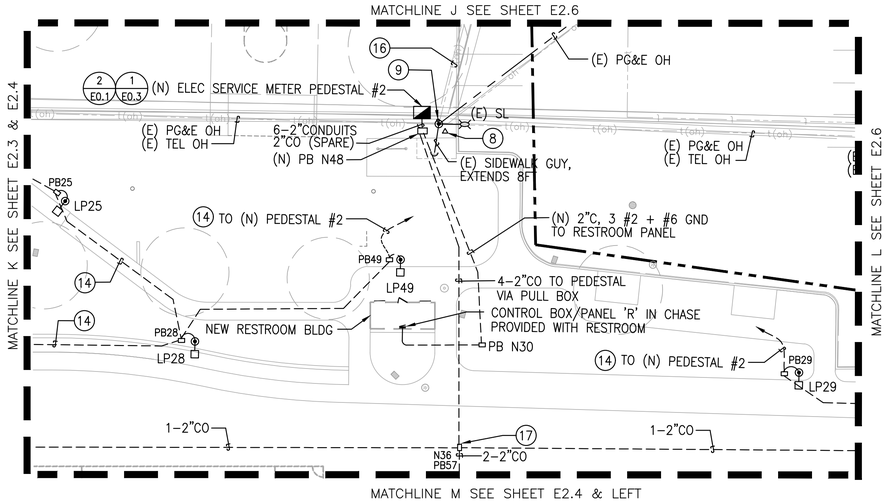
Revision No.	Description	Date	By	Aprvd. By
1	RESPONSE TO PERMIT CYCLE 1 COMMENTS	11/14/22		
2	RESPONSE TO PERMIT CYCLE 2 COMMENTS	01/05/23		
3	RESPONSE TO PERMIT CYCLE 3 COMMENTS	03/03/23		
4	TXFR PLACEMENT	04/13/23		

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE	SHEET NO. E2.4
DESIGNED BY	RR	CITY ENGINEER	93 OF 158 SHTS
DRAWN BY	AG		
CHECKED BY	JA		WR21017 PROJECT NO.
RECORD DWGS.		STOCKTON, CALIFORNIA	

5541.92C 4733 7/13/23



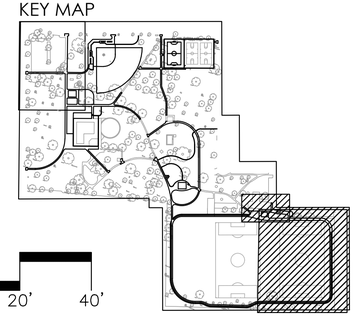


SHEET NOTES:

4
- (8) (N) POLE MOUNTED TRANSFORMER 15KVA, 120/240V, 1-PHASE
- (9) (N) 4"CO SERVICE RISER TO METER PEDESTAL #2
- (14) 2"C, 2 #6 + #6 GND (PATHWAY LIGHTING)
- (16) (E) PG&E OH CABLE & TEL
- (17) PULL BOX FOR FUTURE SOCCER FIELD LIGHTS WITH 2" EMPTY CONDUIT(S) AND PULL WIRE

CALIFORNIA STREET

KEY MAP



0 10' 20' 40'

PERMIT REVIEW SET

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JULY 13, 2023 CALA PROJECT NO. 21013

MCKINLEY PARK RENOVATIONS PROJECT

ELECTRICAL PLAN

REGISTERED PROFESSIONAL ENGINEER
JEFFREY H. ARLEY
Lic. No. 19458
Exp. 06/30/2025
ELECTRICAL
STATE OF CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By
1	RESPONSE TO PERMIT CYCLE 1 COMMENTS	11/14/22		
2	RESPONSE TO PERMIT CYCLE 2 COMMENTS	01/05/23		
3	RESPONSE TO PERMIT CYCLE 3 COMMENTS	03/03/23		
4	TXFR PLACEMENT	04/13/23		

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

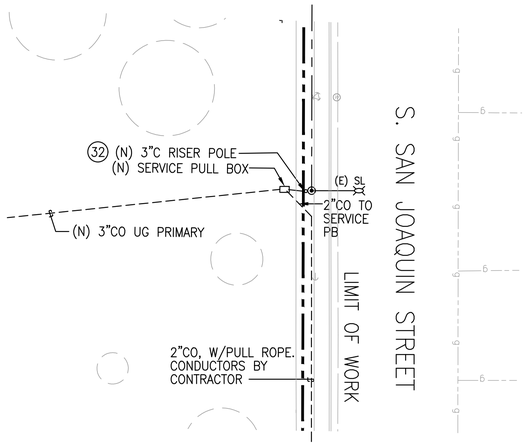
SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE	SHEET NO. E2.5
DESIGNED BY	RR		94 OF 158 SHTS
DRAWN BY	AG		
CHECKED BY	JA	CITY ENGINEER	WR21017 PROJECT NO.
RECORD DWGS.		STOCKTON, CALIFORNIA	

5541.93C 4733 7/13/23

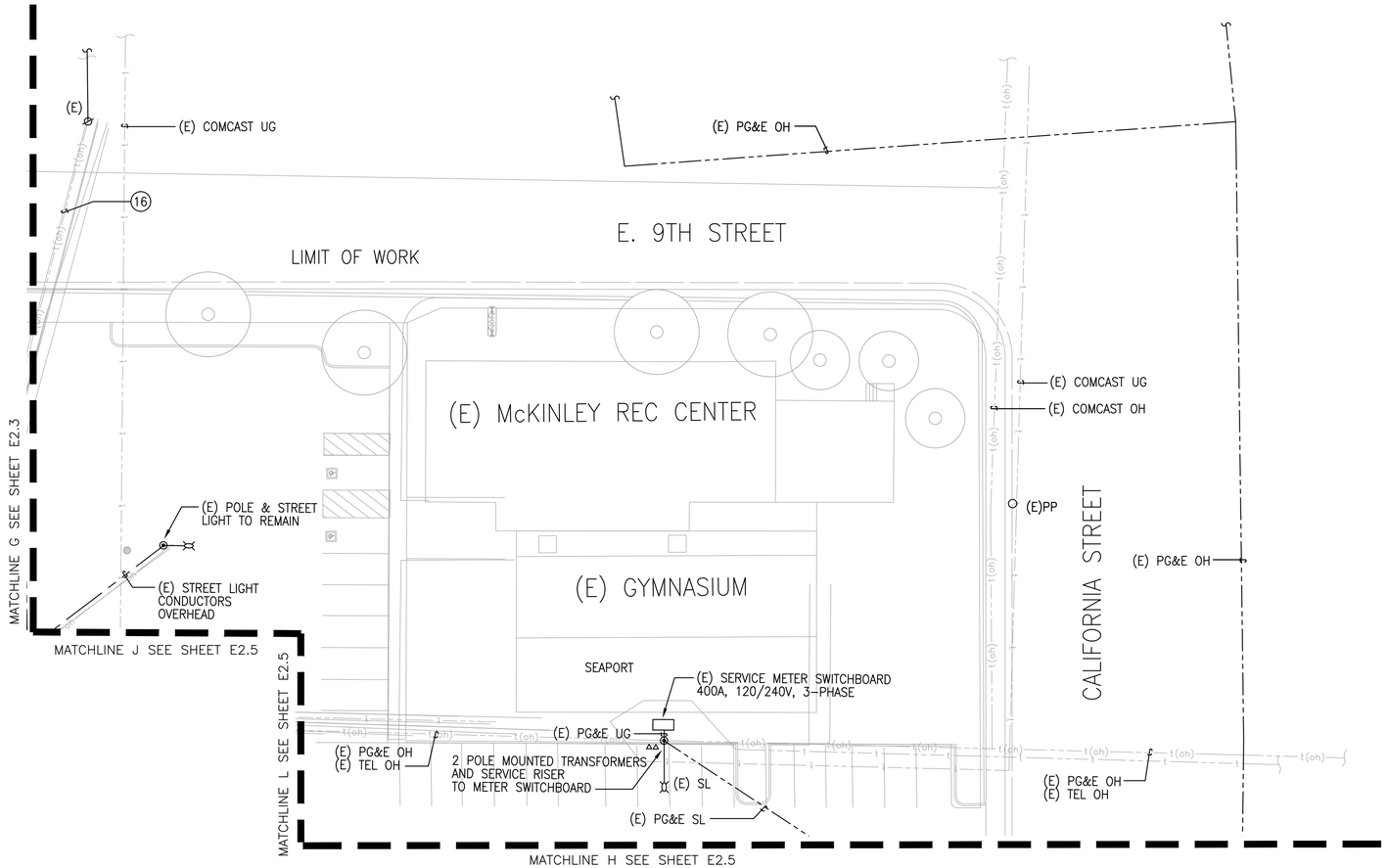
SHEET NOTES:

(16) (E) PG&E OH CABLE & TEL

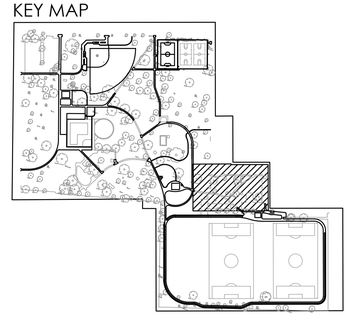
(32) RISER POLE BY CONTRACTOR, SEE DETAIL 5 SHEET E0.2



DETAIL 2



KEY MAP



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REGISTERED PROFESSIONAL ENGINEER JEFFREY H. ARNOLD Lic. No. 19459 Exp. 06/30/2025 STATE OF CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By
1	RESPONSE TO PERMIT CYCLE 1 COMMENTS	11/14/22		
2	RESPONSE TO PERMIT CYCLE 2 COMMENTS	01/05/23		
3	RESPONSE TO PERMIT CYCLE 3 COMMENTS	03/03/23		
4	TXFR PLACEMENT	04/13/23		

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JULY 13, 2023 CALA PROJECT NO. 21013

MCKINLEY PARK RENOVATIONS PROJECT

ELECTRICAL PLAN

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE	SHEET NO. E2.6
DESIGNED BY	RR		95 OF 158 SHTS
DRAWN BY	AG		
CHECKED BY	JA	CITY ENGINEER	WR21017 PROJECT NO.
RECORD DWGS.		STOCKTON, CALIFORNIA	

5541.94C 4733 7/13/23

Luminaire Schedule									
Symbol	Qty	Label	Arrangement	Total Lamp Lumens	LLF	Description	Filename	Arm	Lum. Watts
	53	DSXO_LED_P3_40K_T5M_MVOLT	SINGLE	N.A.	0.900	DSXO LED P3 40K T5M MVOLT	DSXO_LED_P3_40K_T5M_MVOLT.ies	0.497	71
	3	GCJ1-20H-MV-NW-2R-XX-700	SINGLE	N.A.	0.900	GCJ1-20H-MV-NW-2R-XX-700	GCJ1-20H-MV-NW-2R-XX-700.IES	1	45.99

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
CalcPts_1	Illuminance	Fc	0.48	2.0	0.0	N.A.	N.A.
CalcPts_3	Illuminance	Fc	0.56	2.2	0.0	N.A.	N.A.

scale: 1”=60’

PERMIT REVIEW SET

REGISTERED PROFESSIONAL ENGINEER
JEFFREY H. ANDER
Lic. No. 19458
Exp: 06/30/2025
CIVIL
STATE OF CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By
1	RESPONSE TO PERMIT CYCLE 1 COMMENTS	11/14/22		
2	RESPONSE TO PERMIT CYCLE 2 COMMENTS	01/05/23		
3	RESPONSE TO PERMIT CYCLE 3 COMMENTS	03/03/23		
4	TXFR PLACEMENT	04/13/23		

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JULY 13, 2023 CALA PROJECT NO. 21013

MCKINLEY PARK RENOVATIONS PROJECT

PHOTOMETRIC PLAN

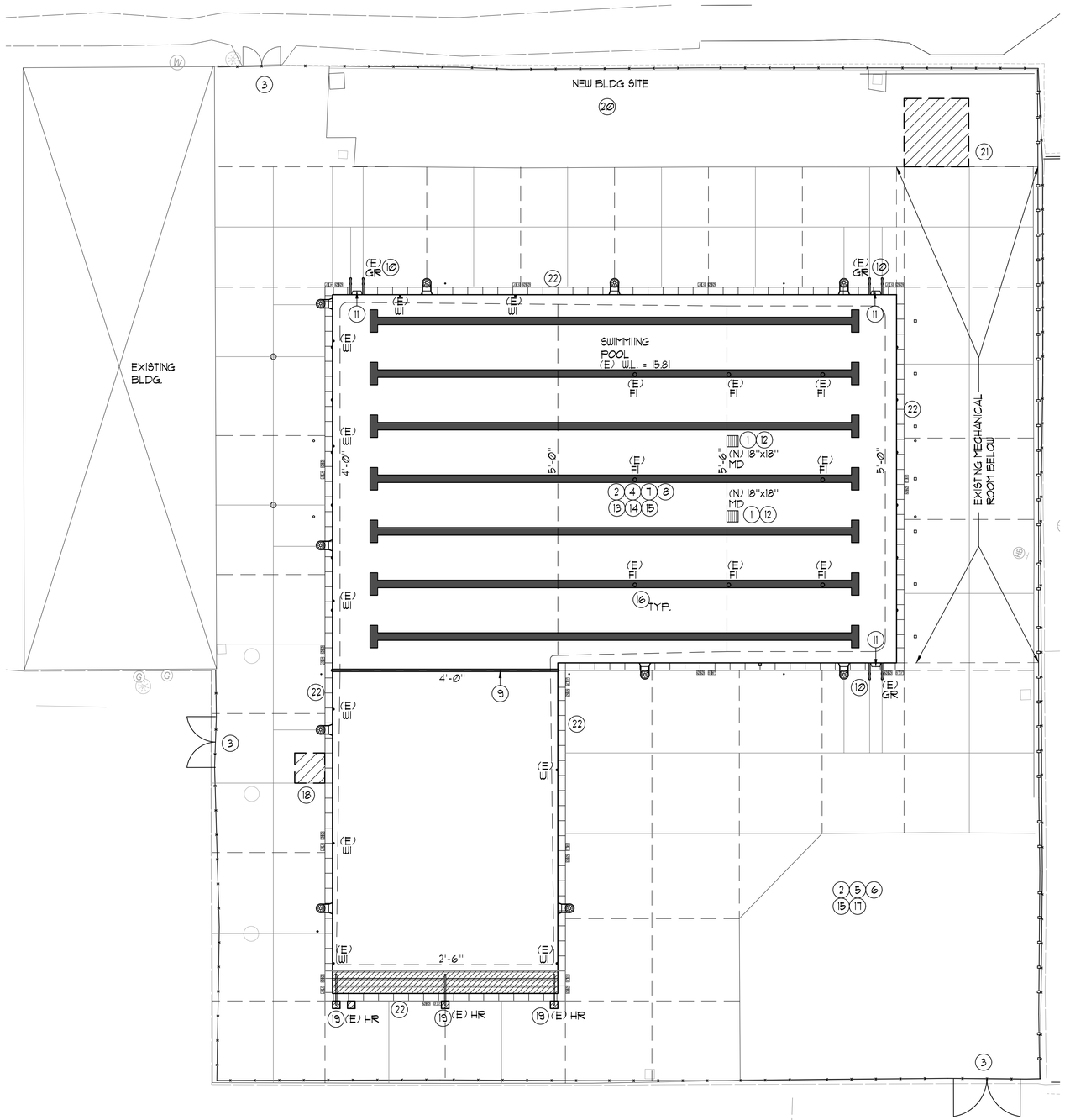
DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN
DESIGNED BY	RR
DRAWN BY	AG
CHECKED BY	JA
RECORD DWGS.	

APPROVED BY: DATE: 7/24/23
CITY ENGINEER
STOCKTON, CALIFORNIA

SHEET NO. E2.7PH
96 OF 158 SHTS
WR21017 PROJECT NO.

5541.95C 4733 7/13/23



DEMOLITION/CONSTRUCTION NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR POOL DRAIN DOWN: CARE IS TO BE TAKEN TO RELIEVE ANY HYDROSTATIC PRESSURE THROUGH EXISTING HYDROSTATIC RELIEF VALVES AND DRAINING THE POOL SLOWLY.
2. THE CONTRACTOR SHALL COORDINATE DEMOLITION WITH ALL OTHER TRADES, AND SHALL PROTECT ALL EXISTING WORK, BUILDINGS, AND UTILITIES.
3. COORDINATE INGRESS/EGRESS AND HAUL ROUTES WITH THE OWNER PRIOR TO START OF WORK.
4. (A-B / SP-3) SWIMMING POOL PLAN VIEWS AND SECTIONS ARE SHOWN FOR CONTRACTOR INFORMATION AND ASSISTANCE. THE CONTRACTOR IS RESPONSIBLE FOR INDIVIDUAL SQUARE FOOTAGE TAKE-OFFS AND ESTIMATIONS WITH REGARD TO DEMOLITION, PREPARATION, AS WELL AS MEANS AND METHODS OF CONSTRUCTION. CONTRACTOR SHALL VISIT THE SITE AS REQUIRED TO ACCOMPLISH THE WORK, AND TO BECOME FAMILIAR WITH SCOPE AND SERVICES OF WORK REQUIRED.
5. COORDINATE PROPOSED CONTRACTOR STAGING AREA WITH THE OWNER PRIOR TO CONSTRUCTION.
6. CONTRACTOR IS TO PHOTOGRAPH AND DOCUMENT ON A PLAN ANY AND ALL EXISTING DAMAGED ITEMS/SURFACES. FINISHES IN AND IMMEDIATELY AROUND THE WORK AREA AND ALONG ALL WORK PATHS FROM STAGING AREA PRIOR TO THE START OF WORK. CONTRACTOR IS TO SITE WALK ALL EXISTING DAMAGED AREAS WITH THE OWNER AND PROVIDE A COPY OF THE PHOTOGRAPHS AND DOCUMENTATION BEFORE WORK BEGINS. FAILURE TO PROVIDE THIS INFORMATION REPRESENTS ACCEPTANCE BY THE CONTRACTOR THAT ALL EXISTING SURROUNDING FINISHES (CONCRETE, AC PAVING, FLOORING, ETC.) AND ALL GATES, DOORS, PATHWAYS, ETC. ARE UNDAMAGED AND IN CLEAN AND FUNCTIONING CONDITION, AND CONTRACTOR ACCEPTS THE RESPONSIBILITY TO MAINTAIN AND CORRECT ANY DAMAGE LATER FOUND BY THE OWNER DURING CONSTRUCTION PERIOD IN THESE AREAS AT NO EXPENSE TO THE OWNER.
7. REMOVE ALL EXISTING SWIMMING POOL FINISHES INCLUDING PLASTER, TILE, ETC. DOWN TO ORIGINAL SOUND CONCRETE/SHOTCRETE. ANY CRACKS LARGE ENOUGH TO INSERT THE EDGE OF A DIME INTO, SHALL BE CHIPPED OUT TO A MINIMUM OF ¾"x¾" AND THEN FILLED FLUSH WITH NON-SHRINK GROUT. ALL EXPOSED REBAR, RUST SPOTS, ETC. SHALL BE BUSHED DOWN 1½" BELOW FINISH SURFACE, ZINC COATED AND FILLED FLUSH WITH NON-SHRINK GROUT. ANY OTHER IMPERFECTIONS IN THE POOL SHELL SHALL BE REPAIRED PRIOR TO INSTALLING NEW TILED LANE LINES, WALL TARGETS, WATERLINE TILE AND WATERLINE DEPTH MARKERS, ETC. AND PRIOR TO NEW WHITE PLASTER INSTALLATION.
8. REPLACE ALL EXISTING POOL TILE INCLUDING ALL RACING LANE LINES, END WALL TARGETS, STEP TRIM TILE, WATERLINE TILE, AND DEPTH MARKERS AT WATERLINE. DEPTH MARKERS SHALL BE LOCATED TO ALIGN WITH DECK DEPTH MARKERS AT MAXIMUM 25'-0" O.C. AROUND ENTIRE POOL PERIMETER AND SHALL HAVE MINIMUM 4" TALL NUMBERS AND LETTERS. PREPARE ALL SURFACES TO RECEIVE NEW TILE PER PLANS.
9. REMOVE EXISTING 4'-0" WATER DEPTH TILE MARKER (4" LINE) AND PROVIDE NEW 'DAL-TILE' #D311 'BLACK'. NON-SLIP 1" x 1" TILE PER SPECIFICATIONS.
10. REMOVE AND PROTECT EXISTING GRABRAILS DURING CONSTRUCTION AND CLEAN, POLISH AND REINSTALL AFTER WORK HAS BEEN COMPLETED.
11. (8 / SP-4) REMOVE AND REPLACE ALL EXISTING GRABRAIL STEPS. ONCE STEPS ARE REMOVED ALL RUST SPOTS SHALL BE EXPOSED, BUSHED DOWN 1½" BELOW FINISHED SURFACE, ZINC COATED AND FILLED FLUSH WITH NON-SHRINK GROUT. THEN NEW CYCOLAC STEPS SHALL BE INSTALLED FLUSH WITH NON-SHRINK GROUT.
12. (5 / SP-5) REMOVE EXISTING MAIN DRAIN FRAMES AND GRATES AND INSTALL NEW 18"x18" LAWSON AQUATICS' #MLD-FG-1818 FRAME AND GRATES. THE CONTRACTOR SHALL CERTIFY THE MAIN DRAIN SYSTEMS AS V.G.B. COMPLIANT. THE CONTRACTOR SHALL ENSURE THAT MAIN DRAINS MEET CURRENT STANDARDS AND ARE CERTIFIED WITH CURRENT REQUIREMENTS.
13. THE CONTRACTOR SHALL INSURE THAT ALL SURFACES ARE PREPARED TO RECEIVE PLASTER FINISH. WEATHER CONDITIONS SHALL BECOME A CRITICAL PART OF WORK AND SHALL BE TAKEN INTO CONSIDERATION AT THE TIME OF PLASTER APPLICATION.
14. THE CONTRACTOR SHALL PROVIDE A SUFFICIENT NUMBER OF WORKERS TO INSURE THAT THE ENTIRE POOL CAN BE PLASTERED IN A SINGLE DAY OR SHALL PROVIDE CONTINUAL MISTING OF PLASTERED SURFACES TO INSURE THAT PLASTER IS NOT EXPOSED TO THE AIR FOR A PERIOD OF TIME WHICH WOULD CAUSE DAMAGE IN ANY WAY.
15. THE CONTRACTOR SHALL REPAIR OR REPLACE ANY ITEMS DAMAGED DUE TO DEMOLITION AND/OR CONSTRUCTION, AT NO COST TO THE OWNER INCLUDING BUT NOT LIMITED TO UTILITIES, POOL FITTINGS, EQUIPMENT, ANCHORS, GRATES, ROPE ANCHORS, SPRAY JETS, ETC.
16. (3-4 / SP-6) REPLACE ANY DAMAGED OR MISSING FLOOR INLET COVER PLATES AND/OR ANY DAMAGED WALL INLETS COMPLETELY PER DETAIL AND SPECIFICATIONS.
17. THE OWNER SHALL IDENTIFY THE SWIMMING POOL FILL WATER SOURCE FROM CLOSEST FIRE HYDRANT AND SHALL PAY FOR THE WATER TO FILL THE POOL. THE CONTRACTOR IS RESPONSIBLE FOR FIRE HOSE, HOSES, FILLING AND PROTECTION OF PLASTER SURFACES. FILL SOURCE SHALL BE BLOWN-OFF INITIALLY TO PROVIDE A CLEAN DOMESTIC WATER SOURCE. THE CONTRACTOR SHALL PROVIDE CONTINUOUS FILL UNTIL THE WATER IS AT OPERATIONAL LEVEL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING AND BALANCING OF THE POOL WATER FOR A PERIOD OF NOT LESS THAN FOURTEEN (14) DAYS AFTER PLASTER. THE CONTRACTOR SHALL COORDINATE HIS EFFORTS WITH OWNERS STAFF TO PROVIDE INSTRUCTION AND TRAINING IN PROPER OPERATION OF POOL IN CONJUNCTION WITH NEW PLASTER SURFACES.
18. REMOVE EXISTING POOL DECKS AS SHOWN HATCHED FOR INSTALLATION OF NEW HANDRAIL ANCHORS AND ACCESSIBLE LIFT FOOTING PER PLANS AND PROVIDE BONDING TO (E.) DECK REBAR. FILL IN ABANDONED HOSE BIBB VOID AS PART OF NEW ACCESSIBLE LIFT FOOTING. ALL NEW CONCRETE SHALL BE 4,000 psi MINIMUM AT 28 DAYS.
19. (1 / SP-5) REMOVE (E) HANDRAILS AND DISCARD. REPLACE WITH NEW PER DETAIL AND SPECS.
20. PROVIDE NEW MECHANICAL ROOM EQUIPMENT AND PIPING PER MR-1 AND SP-2.
21. EXCAVATE TO DEPTH OF EXISTING SUBTRERRANEAN MECHANICAL ROOM. CORE AND PROVIDE LINK SEAL TO MAKE POINT OF CONNECTION FROM INSIDE EXISTING VAULT TO NEW MECHANICAL ROOM THROUGH EXISTING MECHANICAL ROOM VAULT WALL.
21. PROVIDE NEW MASTIC AROUND PERIMETER OF POOL AT BACKSIDE OF COPING COMPLETE. PROVIDE SAND FINISH PER SPECIFICATIONS.

SWIMMING POOL DATA

SURFACE AREA	=	4,939 SQ. FT.
PERIMETER	=	336 FT.
DEPTH	=	2-6" TO 5'-6"
VOLUME	=	167,190 GAL.
6 HR TURNOVER	=	464 GPM

LEGEND

MD	=	MAIN DRAIN
GR	=	GRAB RAIL
FI	=	FLOOR INLET
WI	=	WALL INLET
HR	=	HAND RAIL
	=	LIMITS OF DEMOLITION AS NOTED ON PLANS

PERMIT REVIEW SET

NORTH

1 **SWIMMING POOL DEMOLITION PLAN** 1/8"=1'-0"

LICENSED ARCHITECT — GREGORY S. ALLEN — C-35802 — REN. 07/31/23 — STATE OF CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By

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AquaticDesignGroup.com
760.438.8400

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Gold River, CA 95670
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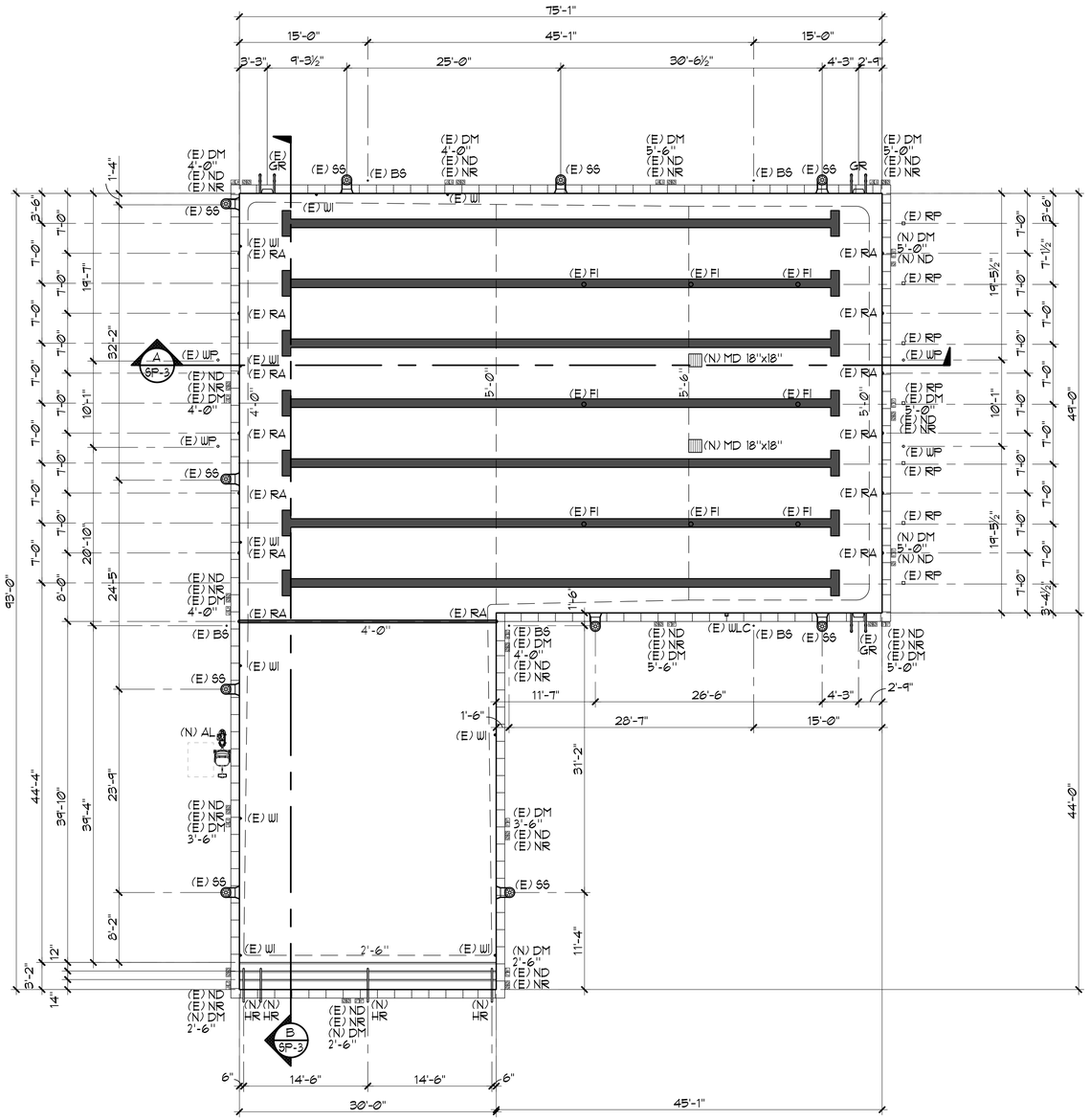
January 5, 2023 — CALA PROJECT NO. 21013

MCKINLEY PARK AND POOL RENOVATION

SWIMMING POOL DEMOLITION PLAN

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE	SHEET NO. DP-1
DESIGNED BY	GSF		97 OF 158 SHTS
DRAWN BY	NMV	CITY ENGINEER	
CHECKED BY	GSF	STOCKTON, CALIFORNIA	PROJECT NO. 5541.96C
RECORD DWGS.			



(E) SWIMMING POOL DATA

SURFACE AREA	=	4,999 SQ. FT.
PERIMETER	=	336 FT.
DEPTH	=	2-6" TO 5'-6"
VOLUME	=	167,190 GAL.
6 HR TURNOVER	=	464 GPM

NOTES:
1. POOL SURFACE FINISH SHALL BE WHITE PLASTER.
2. POOL DEPTH MARKERS SHALL BE LOCATED AROUND POOL PERIMETER AND WATER LINE AT SPACING NOT TO EXCEED 25'-0".

LEGEND

DM	=	DEPTH MARKER — 2 / SP-5
NR	=	'NO RUNNING'
ND	=	'NO DIVING' — 3 / SP-5
FI	=	FLOOR INLET — 3 / SP-6
WI	=	WALL INLET — 4 / SP-6
MD	=	MAIN DRAIN — 4 / SP-5
RA	=	ROPE ANCHOR — 1 / SP-6
AL	=	ACCESSIBLE LIFT — 1 / SP-7
GR	=	GRABRAIL — 5 / SP-4
WLC	=	WATER LEVEL CONTROL — 5 / SP-6
WP	=	WATER POLO ANCHOR
RP	=	RACING PLATFORM
BS	=	BACKSTROKE STANCHION
(E)	=	EXISTING
(N)	=	NEW

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January 5, 2023 CALA PROJECT NO. 21013

MCKINLEY PARK AND POOL RENOVATION

SWIMMING POOL LAYOUT PLAN

PERMIT REVIEW SET

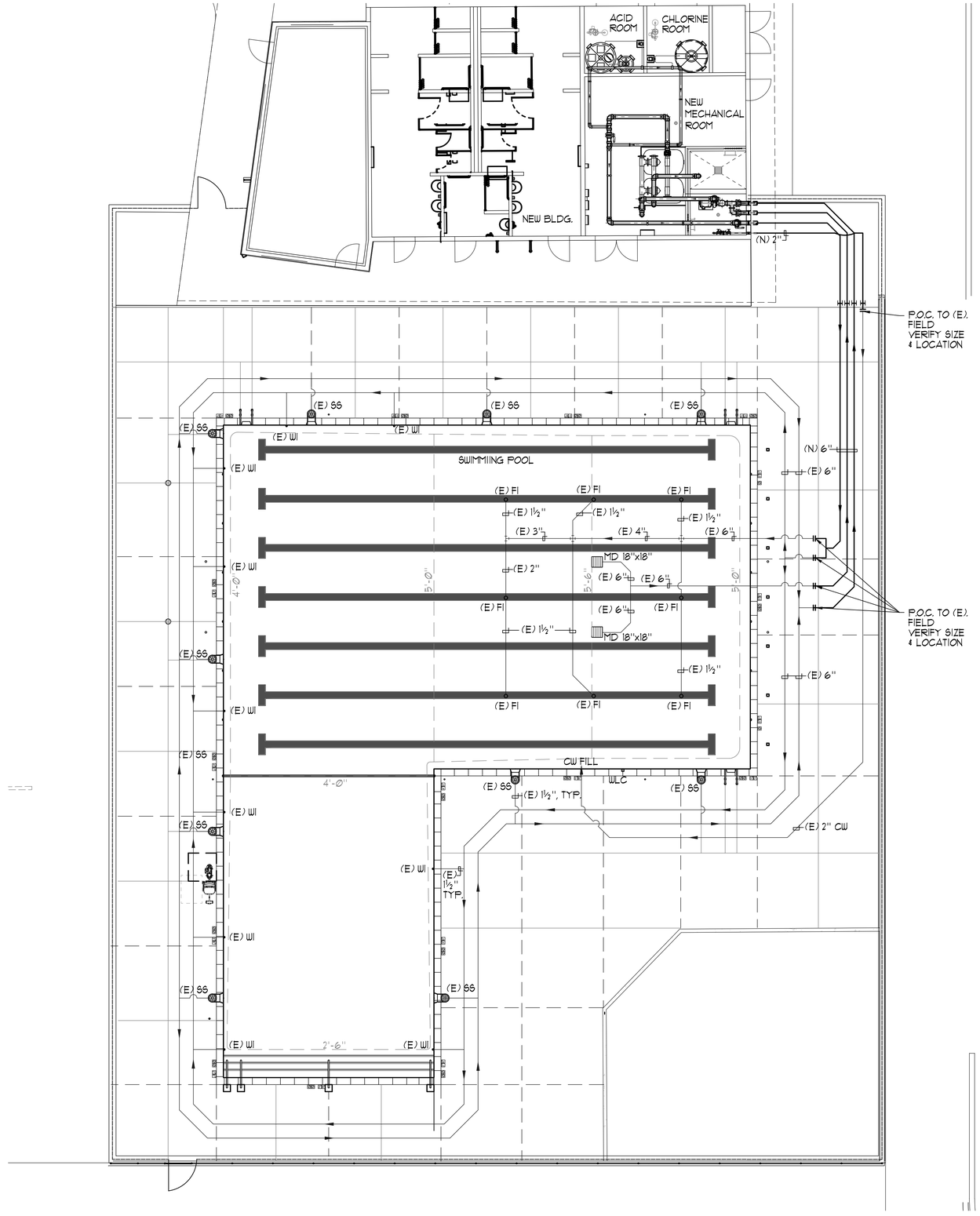
LICENSED ARCHITECT — GREGORY S. GSELL — C-35802 — REN. 07/31/23 — STATE OF CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE	SHEET NO. SP-1
DESIGNED BY	GSF		98 OF 158 SHTS
DRAWN BY	NMV		
CHECKED BY	GSF	CITY ENGINEER	
RECORD DWGS.		STOCKTON, CALIFORNIA	PROJECT NO. 5541.97C

1 SWIMMING POOL LAYOUT PLAN 1/8"=1'-0"



SWIMMING POOL DATA

SURFACE AREA	=	5,Ø1Ø SQ. FT.
PERIMETER	=	336 FT.
DEPTH	=	2'-6" TO 5'-6"
VOLUME	=	149,94Ø GAL.
6 HR TURNOVER	=	417 GPM

LEGEND

MD	=	MAIN DRAIN	4/SP-5
WI	=	WALL INLET	4/SP-6
FI	=	FLOOR INLET	3/SP-6
WLC	=	WATER LEVEL CONTROLLER	5/SP-6
AD	=	AREA DRAIN	
SS	=	SURFACE SKIMMER	
CW	=	COLD WATER	
P.O.C.	=	POINT OF CONNECTION	
(E)	=	EXISTING	

2/SP-7

NOTES:

1. PIPING ROUTES ARE SCHEMATIC IN NATURE AND SHOWN ON PLANS FOR CLARITY. CONTRACTOR SHALL ROUTE PIPING ACCORDINGLY TO MEET NOTED INVERT ELEVATIONS. REFER TO REFERENCED DETAIL FOR PIPE SPACING REQUIREMENTS.
2. ALL BELOW GRADE POOL PIPING SHALL BE SCHEDULE 40 PVC AND ALL ABOVE GRADE POOL PIPING SHALL BE SCHEDULE 80 PVC.
3. COORDINATE ALL PIPING WITH SITE AND BUILDING UTILITIES INCLUDING PIPING, CONDUITS / STRUCTURES AND THE LIKE. COORDINATE ROUTING OF PIPING THROUGH STRUCTURAL SLAB. ALL PIPING SHALL HAVE UNIFORM SLOPE IN ONE DIRECTION.

1 **SWIMMING POOL PIPING PLAN** 1/8"=1'-Ø"

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AquaticDesignGroup.com
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Gold River, CA 95670
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January 5, 2023 CALA PROJECT NO. 21013

MCKINLEY PARK AND POOL RENOVATION

SWIMMING POOL PIPING PLAN

PERMIT REVIEW SET

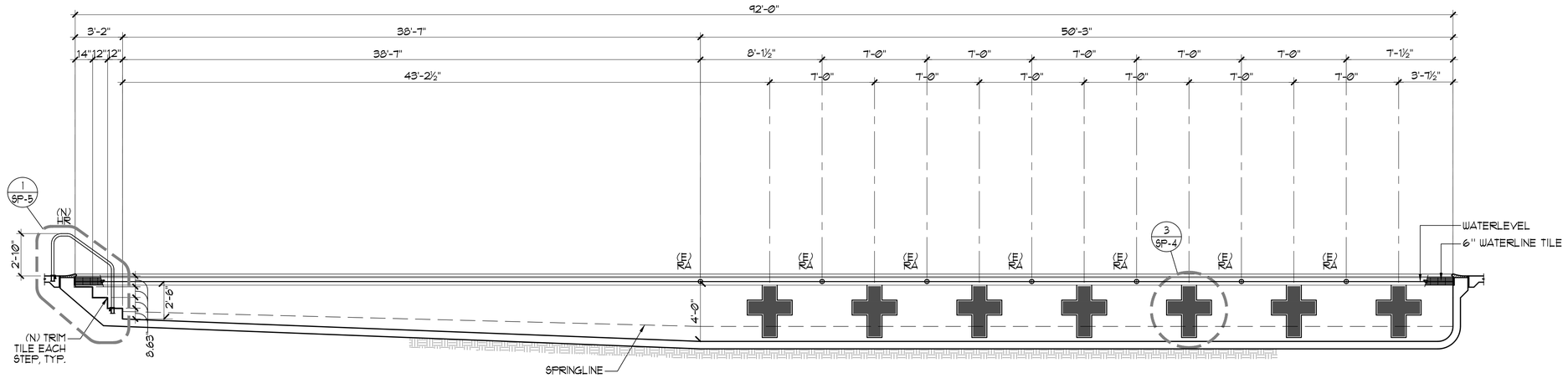
LICENSED ARCHITECT GREGORY S. FAUL C-35802 REN. 07/31/23 STATE OF CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

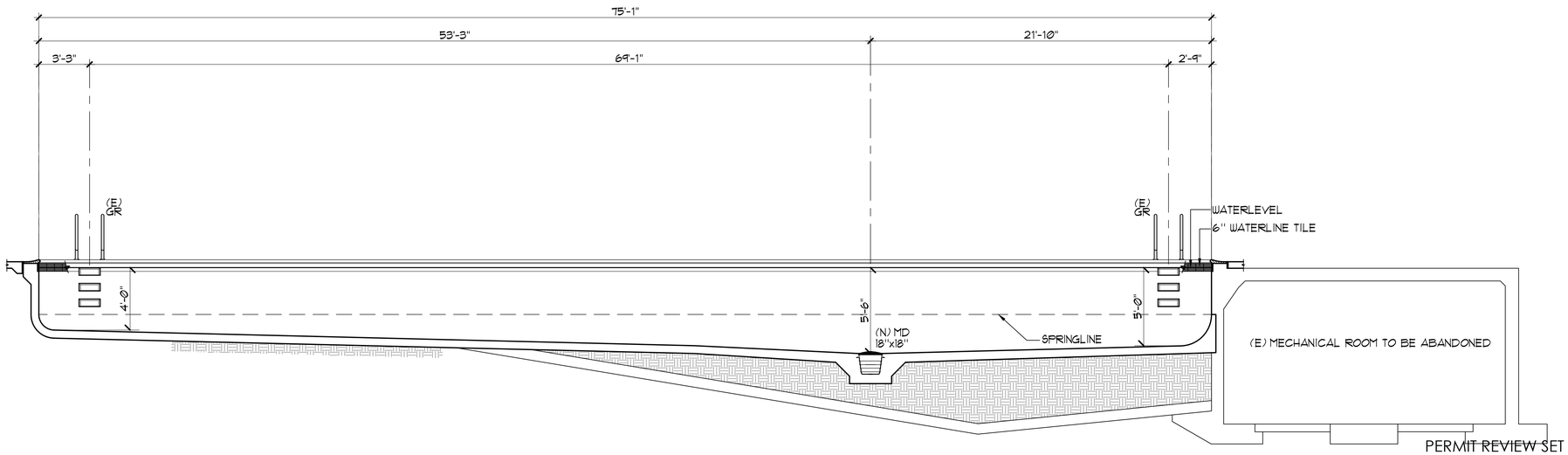
SCALE	AS SHOWN	APPROVED BY: 7/24/23	SHEET NO.
DESIGNED BY	GSF	DATE	SP-2
DRAWN BY	NMV		99 OF 158 SHTS
CHECKED BY	GSF	CITY ENGINEER	
RECORD DWGS.		STOCKTON, CALIFORNIA	PROJECT NO.

5541.98C



A SWIMMING POOL SECTIONS

1/4"=1'-0"



B SWIMMING POOL SECTIONS

1/4"=1'-0"

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January 5, 2023 CALA PROJECT NO. 21013

MCKINLEY PARK AND POOL RENOVATION

SWIMMING POOL SECTIONS

LICENSED ARCHITECT GREGORY S. CALLANDER C-35802 REN. 07/31/23 STATE OF CALIFORNIA

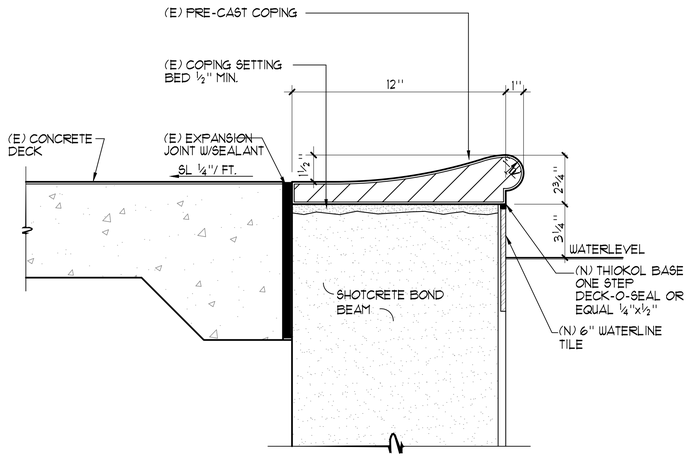
Revision No.	Description	Date	By	Aprvd. By

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN
DESIGNED BY	GSF
DRAWN BY	NMV
CHECKED BY	GSF
RECORD DWGS.	

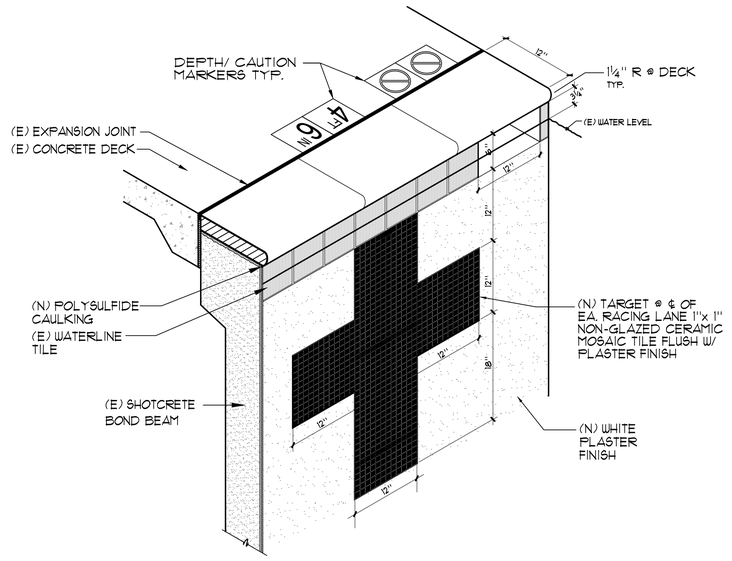
APPROVED BY: 7/24/23 DATE
CITY ENGINEER
STOCKTON, CALIFORNIA

SHEET NO. SP-3
100 OF 158 SHTS
PROJECT NO. 5541.99C



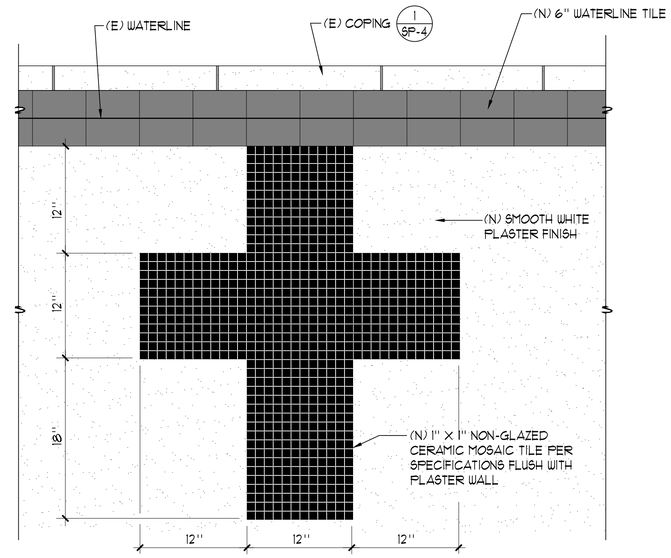
1 TYPICAL COPING EDGE DETAIL

3"=1'-0"



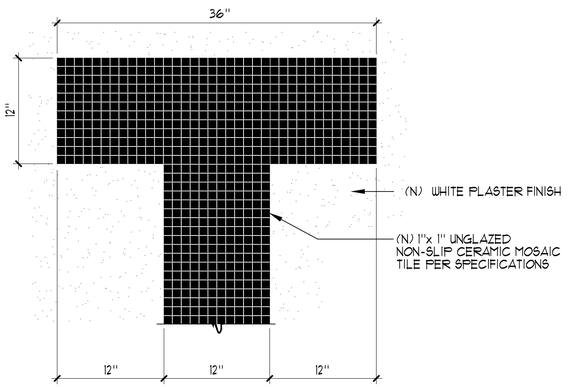
2 TYPICAL COPING PERSPECTIVE

1½"=1'-0"



3 END WALL TARGET

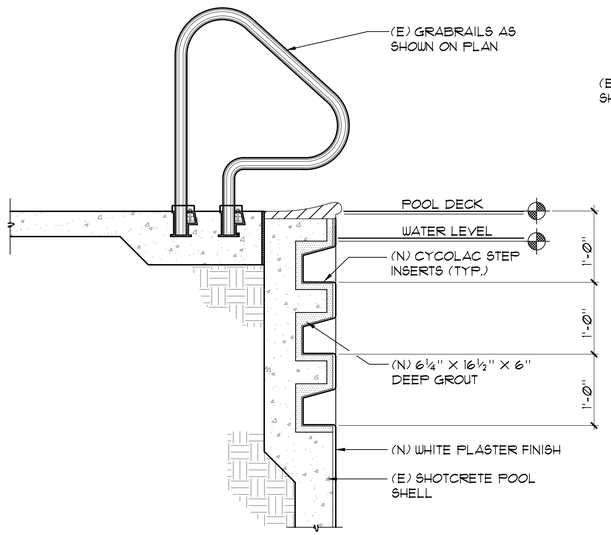
1½"=1'-0"



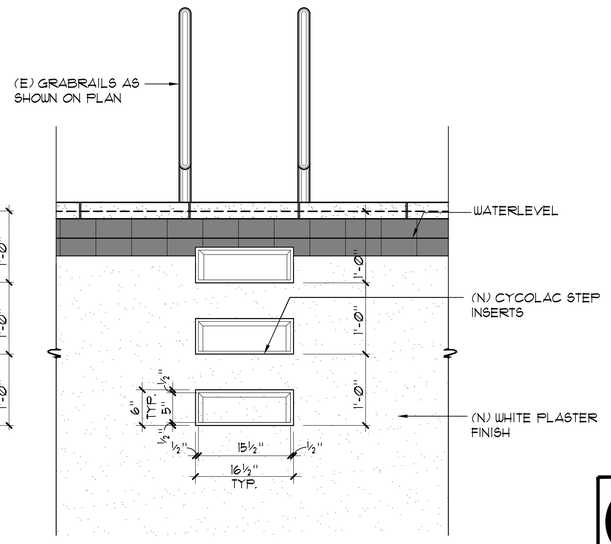
PLAN VIEW

4 RACING LANE LINE

1½" = 1'-0"



SECTION



ELEVATION

5 GRABRAIL WITH STEPS

1"=1'-0"

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January 5, 2023 CALA PROJECT NO. 21013

MCKINLEY PARK AND POOL RENOVATION

DETAILS

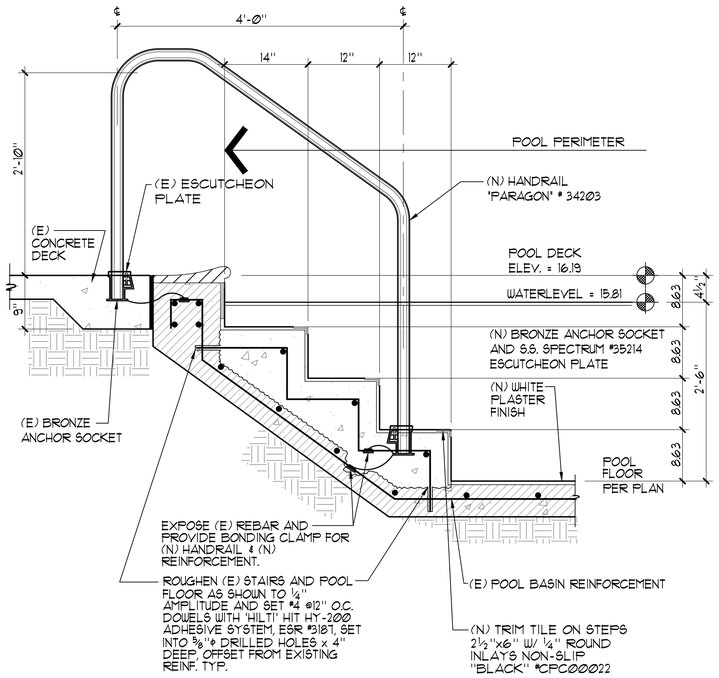
PERMIT REVIEW SET

LICENSED ARCHITECT GERRY S. GRAY C-35802 REN. 07/31/25 STATE OF CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By

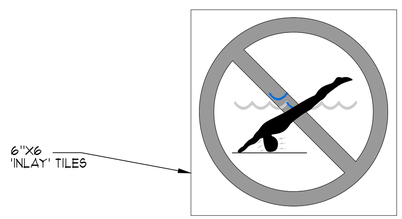
DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE	SHEET NO. SP-4
DESIGNED BY	GSF		101 OF 158 SHTS
DRAWN BY	NMV		
CHECKED BY	GSF	CITY ENGINEER	
RECORD DWGS.		STOCKTON, CALIFORNIA	PROJECT NO. 5541.100C



1 HANDRAIL DETAIL

1"=1'-Ø"



NOTE: PLACE IN DECK AT ALL 'NO DIVING' TILE MARKER LOCATIONS

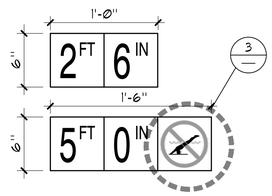
SILK SCREEN

1. INLAYS DOUBLE GLAZED WHITE SLIP RESISTANT TILE TYP. OF (1) PIECE OVER ¼" MORTAR BED WITH ⅛" GROUT JOINTS. SEE PLAN FOR LOCATION.
2. 1" WIDE RED CIRCLE WITH 1" WIDE RED DIAGONAL LINE.
3. ⅛" BLUE WATER.
4. ⅛" RED TICKS ABOUT THE HEAD.
5. TAN COLOR BODY WITH BLACK OUTLINE, HAIR AND TRUNKS.
6. ⅛" BLACK POOL FLOOR.

3 INTERNATIONAL NO DIVIVING MARKER

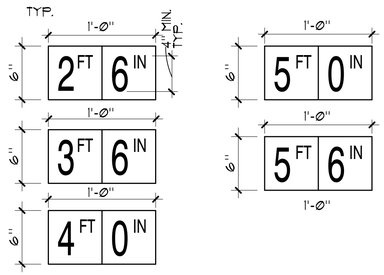
½"=1"

ON DECK



REMOVE(E) DECK DEPTH MARKERS WHERE INDICATED ON SP-1 AND REPLACE WITH/ADD NEW 6"x6" GLAZED CERAMIC TILE MARKERS 'DAL-TILE' #D-129 'SKY BLUE' FIELD WITH 4" BLACK SILK SCREEN NUMBERS AND LETTERS;OR 'INLAYS INC', 'PRECISION TILE CO.', OR APPROVED EQUAL, TYPICAL.

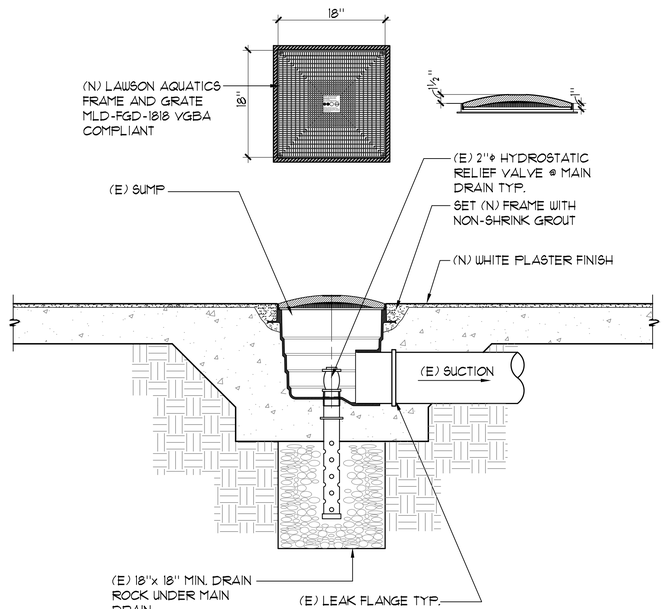
AT WATERLINE



REMOVE (E) WATERLINE DEPTH MARKERS AND REPLACE WITH (N) 6"x6" GLAZED CERAMIC TILE MARKERS 'DAL-TILE' #D-129 'SKY BLUE' FIELD WITH 4" BLACK SILK SCREEN NUMBERS AND LETTERS;OR 'INLAYS INC', 'PRECISION TILE CO.', OR APPROVED EQUAL, TYPICAL.

2 DEPTH MARKERS

1½" = 1'-Ø"

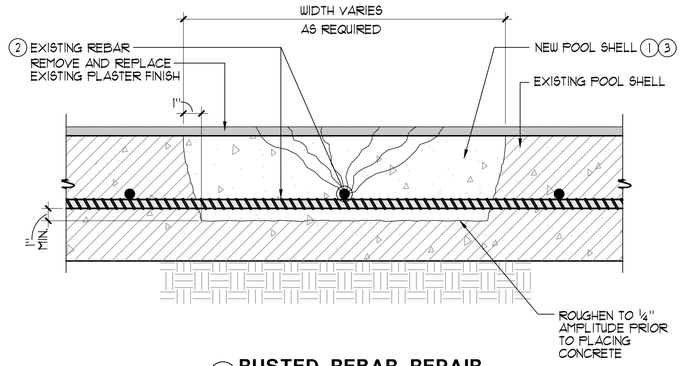


4 MAIN DRAIN

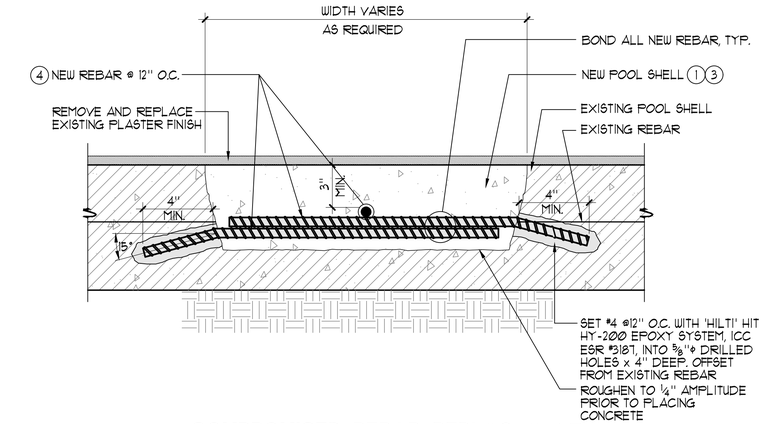
1" = 1'-Ø"

NOTES:

1. CHIP OUT AND REMOVE CONCRETE IN DESIGNATED REPAIR AREAS TO EXPOSE REBAR. PROVIDE 1" MIN. CLEARANCE UNDER THE REBAR.
2. SANDBLAST AND CLEAN EXPOSED REBAR TO REMOVE RUST/LAITANCE. PAINT REBAR WITH ZINC RICH GALVANIZING COMPUND PAINT.
3. PLACE HIGH STRENGTH NON-SHRINK GROUT TO RESTORE POOL SHELL TO ORIGINAL SURFACE LEVEL. ANY OTHER IMPERFECTIONS IN THE POOL SHELL SHALL BE REPAIRED PRIOR TO INSTALLING A NEW PLASTER FINISH.



A RUSTED REBAR REPAIR



B COMPROMISED REBAR REPLACEMENT

5 REBAR REPAIR / REPLACEMENT DETAILS

FULL SCALE

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January 5, 2023 CALA PROJECT NO. 21013

MCKINLEY PARK AND POOL RENOVATION

DETAILS

PERMIT REVIEW SET

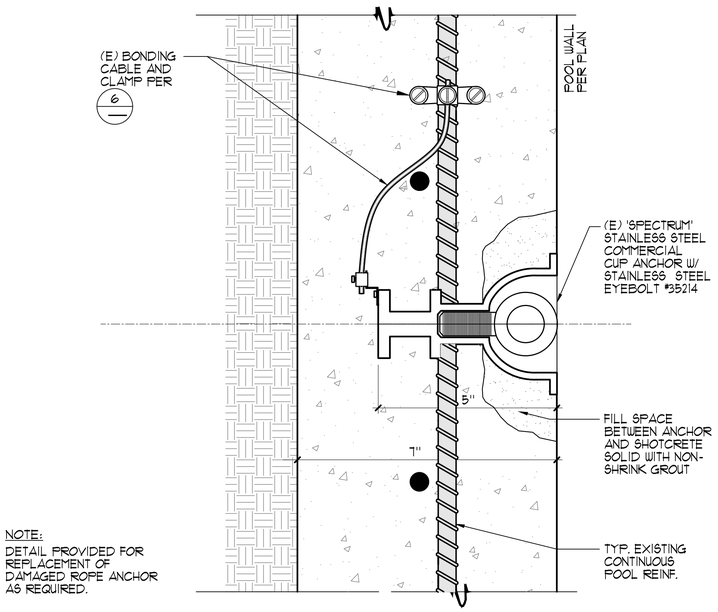
LICENSED ARCHITECT GREGORY S. GSELL C-35802 REN. 07/31/25 STATE OF CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

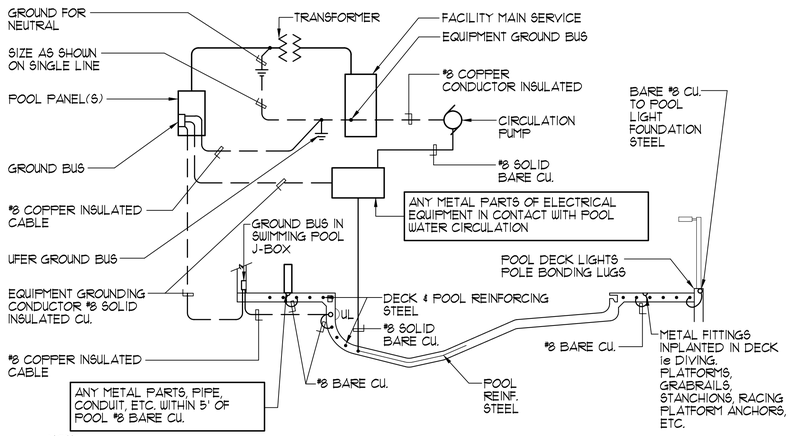
SCALE	AS SHOWN	APPROVED BY:	7/24/23 DATE
DESIGNED BY	GSF		
DRAWN BY	NMV		
CHECKED BY	GSF		CITY ENGINEER
RECORD DWGS.		STOCKTON, CALIFORNIA	

SHEET NO. SP-5
102 OF 158 SHTS
PROJECT NO. 5541.101C



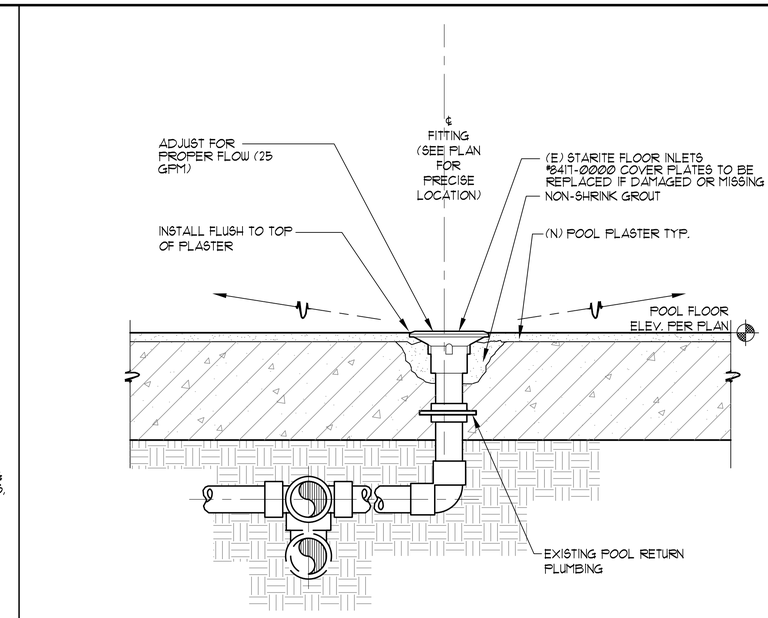
NOTE:
DETAIL PROVIDED FOR REPLACEMENT OF DAMAGED ROPE ANCHOR AS REQUIRED.

1 ROPE ANCHOR ½" = 1"



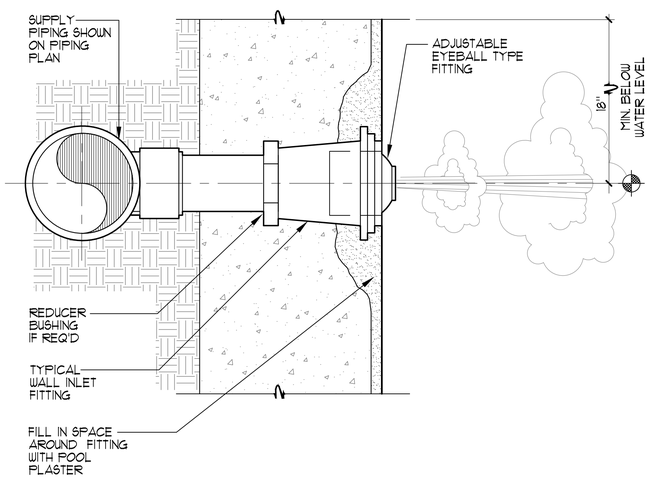
NOTE:
1. STRUCTURAL STEEL IN POOL DECK AND POOL SHALL BE BONDED TOGETHER (TIGHTLY MADE STEEL TIE-WIRES ARE APPROVED FOR BONDING STRUCTURAL ELEMENTS).
2. BONDING CONNECTOR TO COMMON GRID. (POOL STEEL MAY BE USED FOR THAT PURPOSE) SHALL BE MADE BY PRESSURE CONNECTORS OR CLAMPS OF BRASS, COPPER, OR COPPER ALLOY.
3. ALL GROUND BUSES SHALL BE SIZED FOR CONNECTION TO AWG SIZE 8 WIRE PROVIDING ONE SPARE TERMINAL.
4. GROUND AND BOND IN ACCORDANCE WITH 2019 ARTICLE 680 OF THE CALIFORNIA ELECTRICAL CODE. ie. LADDERS, FENCING, POLE LIGHTS, DIVING & STARTING STANCHIONS, DISABLED LIFT ETC.
5. PROVIDE BONDING OF AUTOMATIC POOL COVER MOTORS REGARDLESS OF PROXIMITY TO POOL.

2 TYPICAL POOL BONDING AND GROUND DETAIL NO SCALE



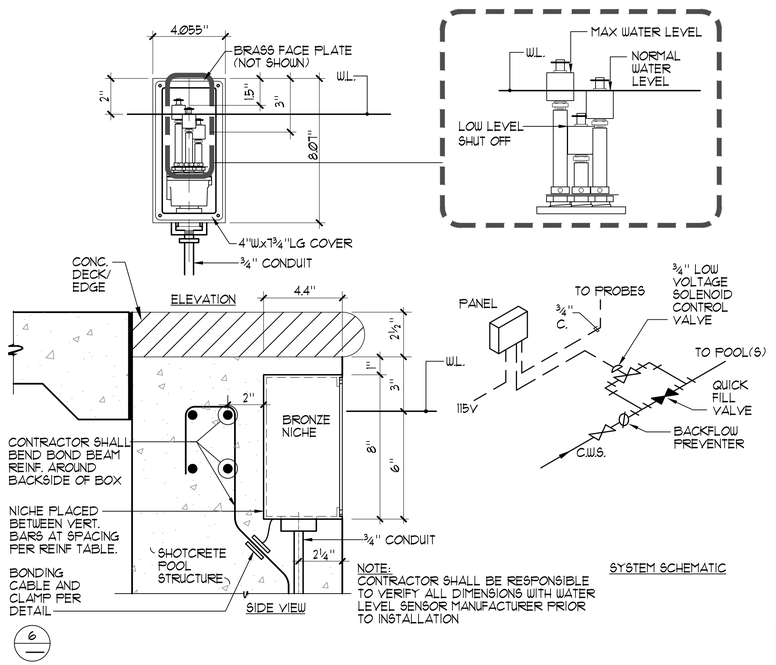
NOTE:
DETAIL PROVIDED FOR REPLACEMENT OF DAMAGED FLOOR INLET AS REQUIRED.

3 FLOOR INLET 3"=1'-0"



NOTE:
DETAIL PROVIDED FOR REPLACEMENT OF DAMAGED FLOOR INLET AS REQUIRED.

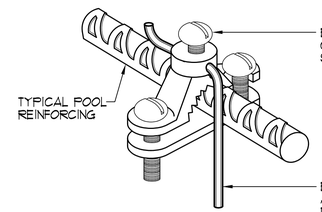
4 WALL INLET NO SCALE



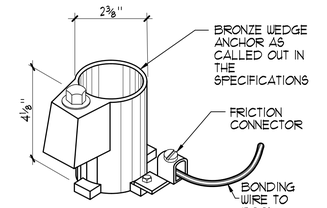
NOTE:
CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY ALL DIMENSIONS WITH WATER LEVEL SENSOR MANUFACTURER PRIOR TO INSTALLATION

NOTE:
DETAIL PROVIDED FOR INFORMATIONAL PURPOSES

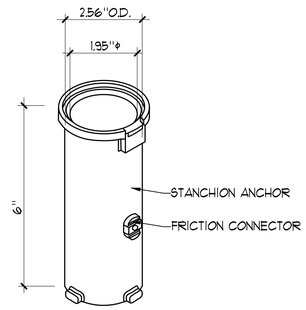
5 (E) NICHE MOUNTED WATER LEVEL CONTROL 3"=1'-0"



BONDING CLAMP
NO SCALE



WEDGE ANCHOR
NO SCALE



ACCESSIBLE LIFT STANCHION ANCHOR
NO SCALE

NO SCALE

6 BONDING DETAILS PERMIT REVIEW SET

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January 5, 2023 CALA PROJECT NO. 21013

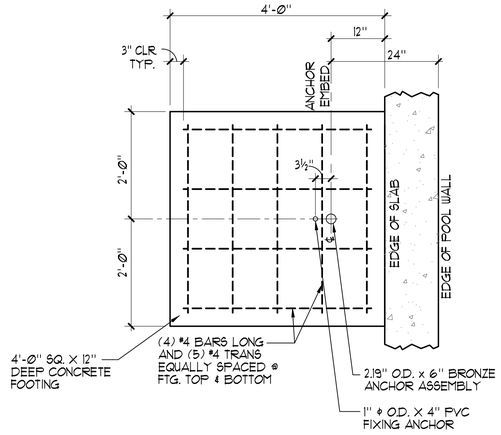
MCKINLEY PARK AND POOL RENOVATION

DETAILS

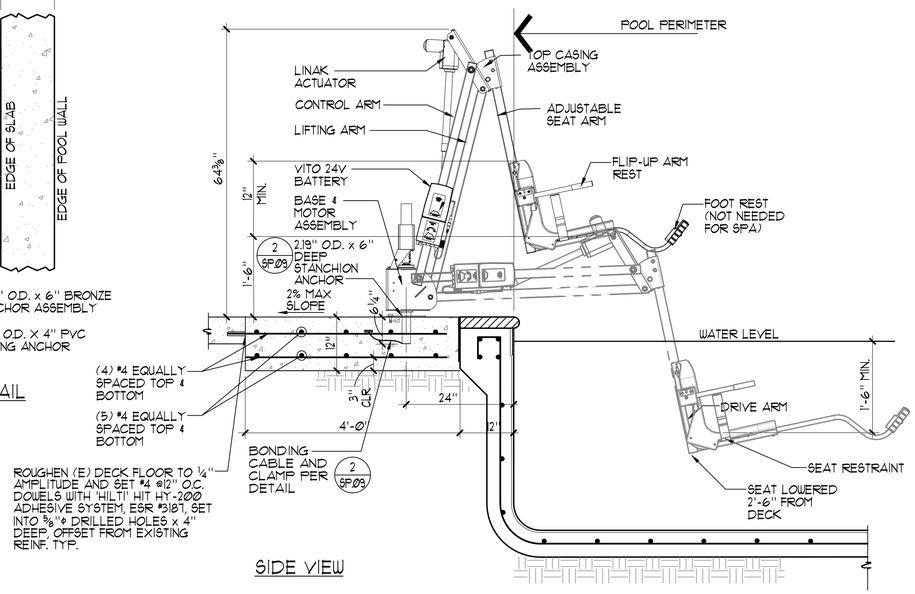
Revision No.	Description	Date	By	Aprvd. By
1	RESPONSE TO PERMIT CYCLE 1 COMMENTS	11/14/22		

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

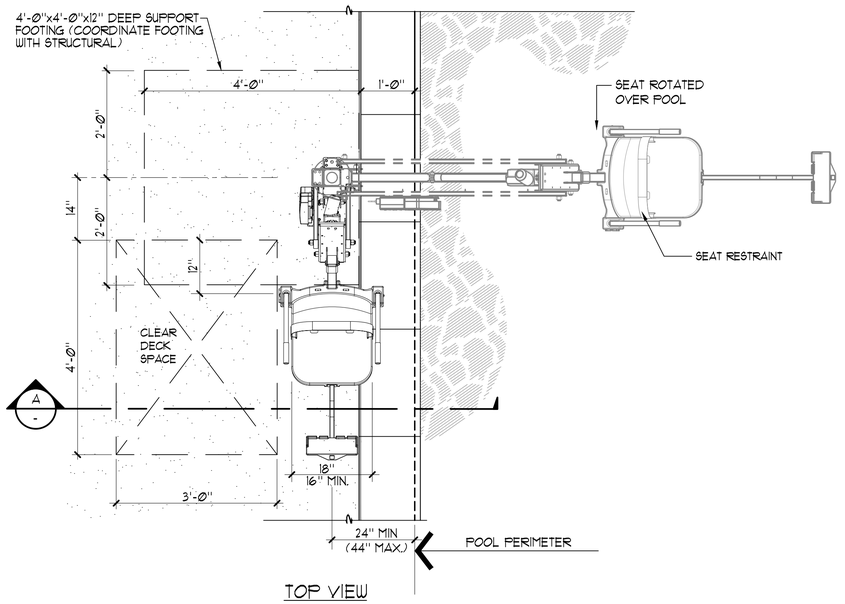
SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE	SHEET NO. SP-6
DESIGNED BY	GSF	CITY ENGINEER	103 OF 158 SHTS
DRAWN BY	NMV	STOCKTON, CALIFORNIA	PROJECT NO. 5541.102C
CHECKED BY	GSF		
RECORD DWGS.			



TOP VIEW FOOTING DETAIL



SIDE VIEW



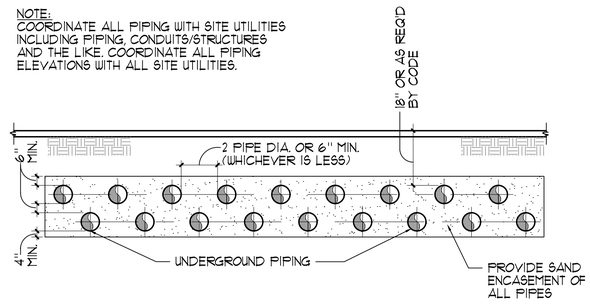
TOP VIEW

NOTES:

1. 'AQUA CREEK' MIGHTY 400 ₱-MTY400 (350 lb. MIN. AND 400 lb. MAX. LIFTING CAPACITY)
2. GUSSET COVER PLATE TO BE ATTACHED REQUIRING A TOOL FOR REMOVAL.
3. CONTRACTOR SHALL PROVIDE COVER FOR LIFT 'AQUA CREEK' MIGHTY; EXTRA BATTERY PACK 'AQUA CREEK' ₱-004AB; TRANSPORTER CART 'AQUA CREEK' ₱-MTTC; AND 'AQUA CREEK' SCOUT/MIGHTY STANDARD ANCHOR SOCKET ₱-80BSA.
4. REFER TO ARCH. PLANS FOR LOCATION OF DISABLED LIFT BATTERY CHARGE STATION. PROVIDE 'AQUA CREEK' CHARGER # F-044CH.
5. POOL LIFT SHALL BE LOCATED WHERE THE WATER LEVEL IS AT LEAST 36" AND DOES NOT EXCEED 48" DEEP, UNLESS ENTIRE POOL IS GREATER THAT 48" DEEP. (CBC SECTION 11B-1009.2.1)
6. ON THE RAISED POSITION, THE CENTERLINE OF THE SEAT SHALL BE LOCATED OVER THE DECK AND 16" MINIMUM FROM THE EDGE OF THE POOL. THE DECK SURFACE BETWEEN THE CENTERLINE OF THE SEAT AND THE POOL EDGE SHALL HAVE A 2% MAX. SLOPE. (CBC SECTION 11B-1009.2.2)
7. CLEAR DECK SPACE SHALL BE PROVIDED ON SIDE OF SEAT OPPOSITE THE WATER PARALLEL TO THE WATER 36" WIDE x 48" MINIMUM FROM A LINE LOCATED 12" BEHIND THE REAR EDGE OF THE SEAT. THE CLEAR SPACE SHALL HAVE A 2% MAX. SLOPE. (CBC SECTION 11B-1009.2.3)
8. THE SEAT SHALL BE RIGID AND SHALL HAVE A BACK SUPPORT THAT IS AT LEAST 12" TALL. THE HEIGHT OF THE LIFT SEAT SHALL BE DESIGNED TO ALLOW A STOP AT 11" MIN. TO 19" MAX. MEASURED FROM THE DECK TO THE TOP OF THE SEAT SURFACE WHEN IN THE RAISED POSITION. THE SEAT SHALL HAVE A RESTRAINT FOR THE USE OF THE OCCUPANT WITH OPERABLE PARTS COMPLYING WITH SECTION 11B-309. (CBC SECTION 11B-1009.2.4)
9. THE SEAT SHALL BE 16" WIDE MINIMUM. (CBC SECTION 11B-1009.2.5)
10. FOOTRESTS SHALL BE PROVIDED, EXCEPT FOR SPA LIFTS, AND SHALL MOVE WITH THE SEAT. LIFT SHALL HAVE TWO ARMRESTS. THE ARMREST POSITIONED OPPOSITE THE WATER SHALL BE REMOVABLE OR SHALL FOLD CLEAR OF THE SEAT WHEN THE SEAT IS IN THE RAISED POSITION. (CBC SECTION 11B-1009.2.6)
11. THE LIFT SHALL BE CAPABLE OF UNASSISTED OPERATION FROM BOTH THE DECK AND WATER LEVELS. CONTROLS AND OPERATING MECHANISMS SHALL BE OPERABLE WITH ONE HAND AND SHALL BE UNOBSTRUCTED WHEN THE LIFT IS IN USE (CBC SECTION 11B-309.4). LIFT MUST BE STABLE AND NOT PERMIT UNINTENDED MOVEMENT WHEN A PERSON IS GETTING INTO OR OUT OF THE SEAT. (CBC SECTION 11B-1009.2.7)
12. THE LIFT SHALL BE DESIGNED SO THAT THE SEAT WILL SUBMERGE TO A WATER DEPTH OF 18" MIN. BELOW THE STATIONARY WATER LEVEL. (CBC SECTION 11B-1009.2.8)
13. SINGLE PERSON POOL LIFTS SHALL HAVE WEIGHT CAPACITY OF 300 POUNDS MIN. AND BE CAPABLE OF SUSTAINING A STATIC LOAD OF AT LEAST ONE AND A HALF TIME THE RATED LOAD. (CBC SECTION 11B-1009.2.9)

1 **ACCESSIBLE LIFT** ¾"=1'-0"

NOTE:
COORDINATE ALL PIPING WITH SITE UTILITIES INCLUDING PIPING, CONDUITS/STRUCTURES AND THE LIKE. COORDINATE ALL PIPING ELEVATIONS WITH ALL SITE UTILITIES.



2 **STACKED UNDERGROUND PIPING** NO SCALE

PERMIT REVIEW SET

LICENSED ARCHITECT GREGORY S. ABEL C-35802 REN. 07/31/23 STATE OF CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By

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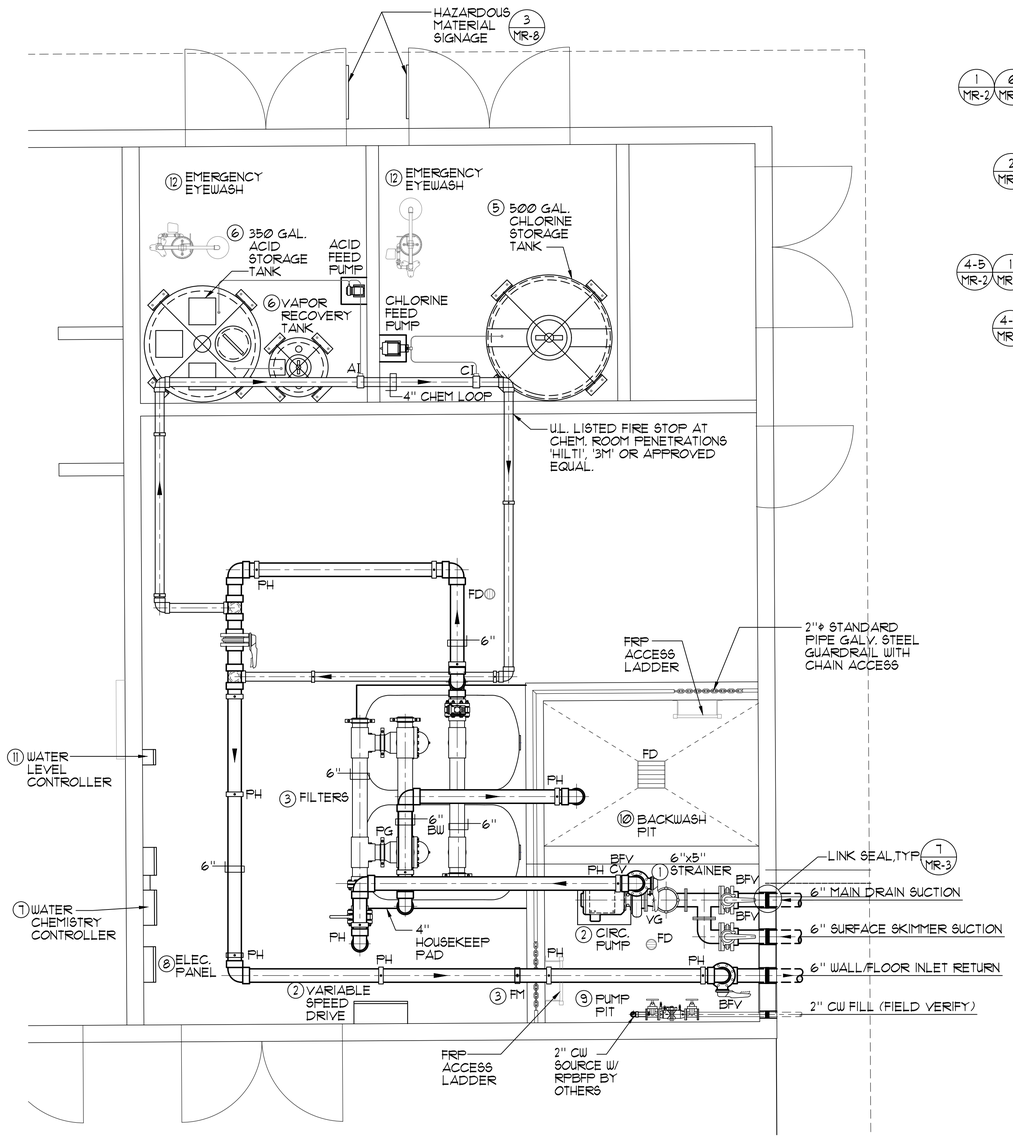
January 5, 2023 CALA PROJECT NO. 21013

MCKINLEY PARK AND POOL RENOVATION

DETAILS

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE	SHEET NO. SP-7
DESIGNED BY	GSF		
DRAWN BY	NMV		104 OF 158 SHTS
CHECKED BY	GSF	CITY ENGINEER	
RECORD DWGS.		STOCKTON, CALIFORNIA	PROJECT NO. 5541.103C



NORTH

NEW EQUIPMENT LIST

1. SWIMMING POOL STRAINER: 'MER-MADE' F.O. SERIES FRP REDUCING BASKET STRAINER: ONE (1) 6"x5" STANDARD, WITH ACRYLIC LID AND TWO (2) STAINLESS STEEL STRAINERS EA. (150lbs.)
2. (1 MR-2)(6 MR-3)(1-2 MR-6)(1-3 MR-7) SWIMMING POOL CIRCULATION PUMP: 'PACO' #4095-7, 4"x5"x8.34" TYPE 'LC' END SUCTION CENTRIFUGAL PUMP; 1760 RPM 208V, 3PH; 15HP; RATED AT 490 GPM @ 60 FT. TDH; 79.64% EFFICIENT; PREMIMUM EFFICIENCY TEFC MOTOR; EPOXY COAT ALL WET SURFACES, 'PACO', 'AURORA' OR EQUAL. (425 lbs.) PROVIDE 'SPCS' EKO-FLEX PUMP CONTROL SYSTEM VARIABLE SPEED DRIVE MODEL SPCS015EF4 SYSTEM 20.5"x41"x13.9" DEEP. COORDINATE MOUNTING LOCATION TO MAINTAIN DESIRED CLEARANCES, 208V 3PH. (126 lbs.)
3. (2 MR-2)(6 MR-3)(4 MR-4) SWIMMING POOL FILTERS: 'EKO³ SYSTEMS GEN 2' #EKO-42175-0606-T-2 AUTOMATIC FILTER CONTROL (AFC) FULLY AUTOMATIC HI-RATE PERMANENT MEDIA FILTER WITH 35 SQ. FT. OF FILTER AREA RATED AT 525 GPM AT 15 GPM/SQ. FT. COMPLETE WITH 6" FACE PIPING, 6" BACKWASH, SEISMIC ANCHORAGE. PROVIDE ALL UTILITIES, PIPING, VALVING ETC. (6,085 lbs EACH TANK) 'EKO³ SYSTEMS GEN 2' OR EQUAL. PROVIDE SIGNET MK-515 FLOSENSOR WITH DIGITAL READ-OUT. ONE (1) SYSTEM TOTAL.
4. NOTE OMITTED
5. (4-5 MR-2)(1 MR-3)(5&6 MR-3)(1 MR-4) CHLORINE STORAGE/FEED SYSTEM: PROVIDE 'CHEM-TAINER' 500 GALLON #TC5971DC; DUAL STORAGE/CONTAINMENT TANK WITH LID SEISMICALLY RESTRAINED; OPERATING WEIGHT = (4,165lbs). COMPLIES WITH FED. REG #40CFR-264-193. FEED PUMP SHALL BE 'LMI' #SD43-88P-KSI; 288 GPD @ 15 PSI WITH FRP SHELF BRACKETS. HARD PIPE TO POINT OF INJECTION.
6. (4-5 MR-2)(2-3 MR-3)(1 MR-4) ACID STORAGE/FEED SYSTEM: PROVIDE 'CHEM-TAINER' 350 GALLON #TC5256DC; DUAL STORAGE/CONTAINMENT TANK WITH LID SEISMICALLY RESTRAINED; OPERATING WEIGHT =(2,920lbs). COMPLIES WITH FED. REG #40CFR-264-193. PROVIDE 60 GALLON ACID VAPOR RECOVERY SYSTEM. ONE (1) TOTAL. PROVIDE ONE (1) STENNER #45MHP10, 10GPD AT 100PSI.
7. (2-3 MR-4)(1-2 MR-5) WATER CHEMISTRY CONTROLLER: PROVIDE ETHERNET CONNECTION TO 'BECSYS' CS-BECSYS7-BP-E WATER CHEMISTRY CONTROLLER. PROVIDE COMPLETE SYSTEM CONTROL PACKAGE. 'BECSYS SYSTEM 7', 'IMPACT', 'WALLACE & TIERNAN' OR APPROVED EQUAL.
8. (5 MR-1)(2 MR-8) ELECTRICAL: PROVIDE ALL ELECTRICAL WIRING, CONDUIT, PANEL(S), STARTER/DISCONNECT INTERCONNECT(S) ETC. AS REQUIRED FOR PROPER EQUIPMENT INSTALLATION PER MANUFACTURERS RECOMMENDATIONS AND SHOP DRAWINGS. COORDINATE ALL WORK WITH OTHER TRADES AS REQUIRED. REFER TO ELEC. PLANS FOR ALL ADDITIONAL INFO.
9. (3-4 MR-5) PUMP PIT: 6'-0"x8'-0"x5'-0" DEEP. PROVIDE 2"ø GALV. STANDARD STEEL PIPE GUARDRAIL. PROVIDE SUMP PUMP IN SUMP WITH EJECTION INTO RAISED BACKWASH PIT. PROVIDE WATERPROOFING PER SPECIFICATIONS. ACCESS LADDER TO BE 'FIBERGRATE' DYNARAIL FRP OR EQUAL.
10. (3-4 MR-5) BACKWASH PIT: 5'-4" x 8'-0" x 5'-0" DEEP WITH 8"ø P-TRAP OUTLET TO SEWER. PROVIDE WATERPROOFING PER SPECIFICATIONS. COORDINATE WITH STRUCTURAL AND PLUMBING PLANS.
11. (6 SP-6) SWIMMING POOL FILL SYSTEM: NICHE MOUNTED 'PEM' MODEL L10-46 WALL MOUNTED SENSOR UNIT WITH 'PEM' L10-100A, 115V U.L. LISTED CONTROL PANEL, SOLENOID VALVES, ETC. 2" FILL. ONE (1) TOTAL. FIELD VERIFY.
12. (4 MR-3) EYEWASH/SHOWER: HAWS MODEL #8300-8309CRP BARRIER FREE COMBINATION SHOWER AND EYE/FACE WASH WITH CORROSION RESISTANT PROTECTION. SEE MEP SHEETS FOR SUPPLY PIPING. TWO (2) TOTAL.

MECHANICAL ANCHORAGE

1. EXPANSION OR WEDGE ANCHORS INTO CONCRETE: HILTI KB TZ (ICC ES6R-1917) OR SIMPSON STRONG BOLT 2 (ESR-3037) TO BE INSTALLED IN ACCORDANCE WITH ICC REPORT AND MANUFACTURER'S RECOMMENDATIONS.
2. EXPANSION OR WEDGE ANCHORS INTO MASONRY: HILTI KB 3 (ICC ESR-1385) OR SIMPSON WEDGE-ALL (ICC ESR-1396) TO BE INSTALLED IN ACCORDANCE WITH ICC REPORT AND MANUFACTURER'S RECOMMENDATIONS.
3. UNDERCUT ANCHORS INTO CONCRETE: HILTI HDA (ICC ESR-1546) TO BE INSTALLED IN ACCORDANCE WITH ICC REPORT AND MANUFACTURER'S RECOMMENDATIONS.
4. HEAVY DUTY EXPANSION ANCHORS INTO CONCRETE: HILTI HSL-3 (ICC ESR-1545) TO BE INSTALLED IN ACCORDANCE WITH ICC REPORT AND MANUFACTURER'S RECOMMENDATIONS.
5. FASTENERS SHALL BE STAINLESS STEEL FOR EXTERIOR USE OR WHEN EXPOSED TO WEATHER. PROVIDE GALVANIZED CARBON STEEL ANCHORS AT OTHER LOCATIONS, UNLESS OTHERWISE NOTED.
6. IF REINFORCEMENT IS ENCOUNTERED DURING DRILLING, ABANDON AND SHIFT THE HOLE LOCATION TO AVOID THE REINFORCEMENT. PROVIDE A MINIMUM OF 2 ANCHOR DIAMETERS OR 1 INCH, WHICHEVER IS LARGER, OF SOUND CONCRETE BETWEEN THE ANCHOR AND THE ABANDONED HOLE. FILL THE ABANDONED HOLE WITH NON-SHRINK GROUT. IF THE ANCHOR OR DOWEL MAY NOT BE SHIFTED AS NOTED ABOVE, THE STRUCTURAL ENGINEER WILL DETERMINE A NEW LOCATION.
7. LOCATE REINFORCEMENT AND CONFIRM FINAL ANCHOR LOCATIONS PRIOR TO FABRICATING PLATES, MEMBERS, OR OTHER STEEL ASSEMBLIES ATTACHED WITH MECHANICAL ANCHORS.
8. ANCHORS SHALL BE PROOF-TESTED BY OWNER'S TESTING AND INSPECTION AGENCY.
9. TEST ANCHORS NO SOONER THAN 24 HOURS AFTER INSTALLATION.
10. APPLY TEST LOAD BY ANY METHOD THAT WILL EFFECTIVELY MEASURE THE TENSION OF THE ANCHOR SUCH AS DIRECT PULL WITH A HYDRAULIC JACK, TORQUE WRENCH, OR CALIBRATED SPRING LOADING DEVICES, ETC.
11. REACTION LOADS FROM TEST FIXTURES MAY BE APPLIED CLOSE TO THE ANCHOR BEING TESTED, PROVIDED THE ANCHOR IS NOT RESTRAINED FROM WITHDRAWING BY A BASE PLATE OR OTHER FIXTURE. IF RESTRAINT IS FOUND, LOOSEN AND SHIM OR REMOVE THE FIXTURE PRIOR TO TESTING.
12. UNLESS OTHERWISE NOTED, PROVIDE MINIMUM EMBEDMENT OF ANCHORS AS SHOWN IN TABLES BELOW.
13. TEST 50% OF ANCHORS PER ONE OF THE FOLLOWING METHODS AND IN ACCORDANCE WITH THE VALUES SHOWN IN THE TABLE:
    A. HYDRAULIC RAM METHOD: APPLY PROOF TEST LOAD WITHOUT REMOVING THE NUT. IF IT IS NOT POSSIBLE TO TEST WITH THE NUT INSTALLED, REPLACE THE NUT WITH A THREADED COUPLER TO THE LOAD. ANCHOR IS ACCEPTABLE IF NO MOVEMENT IS OBSERVED AT THE TEST LOAD. MOVEMENT MAY BE DETERMINED WHEN THE WASHER UNDER THE NUT BECOMES LOOSE.
    B. TORQUE WRENCH METHOD: TEST ANCHORS TO THE TORQUE LOAD INDICATED IN THE TABLE WITH ONE-HALF TURN OF THE NUT.
14. IF ANY ANCHOR FAILS TESTING, REPLACE ANCHOR AND TEST ADDITIONAL ANCHORS OF THE SAME CATEGORY NOT PREVIOUSLY TESTED UNTIL TWENTY (20) CONSECUTIVE TESTS PASS, THEN RESUME INITIAL TESTING FREQUENCY.

HEATER/GAS PIPING INSTALLATION NOTE

GAS FIRED POOL HEATER(S) INSTALLED ON A GAS SUPPLY SYSTEM UTILIZING A 2 PSI OR 5 PSI SUPPLY. GAS PRESSURE SHALL REQUIRE A REGULATOR TO REDUCE THE SUPPLY PRESSURE. A PROPERLY SIZED AND INSTALLED LOCK-UP-TYPE HIGH GAS PRESSURE REGULATOR (HGPR) SHALL BE USED TO REDUCE THE GAS PRESSURE AT THE UNIT INLET TO A MINIMUM OF 4" TO A MAXIMUM OF 11" WATER COLUMN.

'LOCHINVAR' RECOMMENDS THAT ANY REQUIRED LINE LOCK-UP-TYPE HIGH GAS PRESSURE REGULATOR BE INSTALLED WITH A MINIMUM OF 8 FEET TO 10 FEET OF PIPE FROM ITS DISCHARGE TO THE UNIT'S GAS INLET. IF A STRAIGHT DISTANCE OF GAS PIPE IS NOT AVAILABLE THE ADDITION OF A VERTICAL 'U' IN THE GAS PIPING DOWN STREAM FROM THE 'HGPR' CAN BE USED TO ACHIEVE THE 8 FEET TO 10 FEET OF DISTANCE.

CONTRACTOR IS RESPONSIBLE FOR HEATER VENTING, EXHAUST DUCTING, FLUE TERMINUS AND PENETRATION(S) THROUGH BUILDING STRUCTURE.

LEGEND

BV	=	BALL VALVE
BFV	=	BUTTERFLY VALVE
CV	=	CHECK VALVE
FM	=	FLOWMETER
BW	=	BACKWASH
FS	=	FLOOR SINK
AI	=	ACID INJECTION
CI	=	CHLORINE INJECTION
PH	=	PIPE HANGER (4 MR-1)
PG/VG	=	VACUUM / PRESSURE GAUGE (5 MR-4)
FD	=	FLOOR DRAIN
RPBFP	=	REDUCED PRESSURE BACKFLOW PREVENTOR

WEDGE OR EXPANSION ANCHOR EMBEDMENT DEPTH AND TEST LOAD

SIZE	MIN. EMBED	*HILTI KB-TZ ANCHORS IN CONCRETE		ANCHORS IN MASONRY	
		TENSION LOAD (LBS)	TORQUE LOAD (FT-LBS)	TENSION LOAD (LBS)	TORQUE LOAD (FT-LBS)
¼" DIA.	2"	800	10	300	10
⅜" DIA.	2"	1,500	25	500	30
½" DIA.	3¼"	3,000	40	1,000	35
⅝" DIA.	4"	4,900	60	1,250	55
¾" DIA.	4⅝"	6,300	110	1,700	120

* REFER TO EVALUATION REPORT FOR INSTALLATION TORQUE LOADS IF ANOTHER TYPE OF EXPANSION ANCHOR IS USED.

MEP COMPONENT ANCHORAGE NOTE

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA - APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2019 CBC SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTERS 13, 26 AND 30.

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
3. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS:

- COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVING A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
- COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTION 13.6.5, 13.6.6, 13.6.7, 13.6.8± AND 2019 CBC, SECTIONS 1617A.1.24, 1617A.1.25, 1617A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PREAPPROVED INSTALLATION GUIDE (E.G., OSHPD OPM FOR 2019 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E):

MP ☒ MD ☐ PP ☒ E ☐ 1. SHALL COMPLY WITH THE APPLICABLE OSHPD PRE-APPROVAL (OPM #) OPM #0043-13 & #0052-13.

THREE PHASE MOTOR LOADS AT 208V

SWIMMING POOL CIRCULATION PUMP: 15 HP @ 208V = 46.2 AMPS

GENERAL NOTES

1. THE PIPING SYSTEM SHALL HAVE DIRECTION OF FLOW ARROWS INDICATED ON THE PIPES.
2. PUBLIC POOLS SHALL HAVE A FLOW DIAGRAM OF THE POOL'S PIPING SYSTEM WITH OPERATION INSTRUCTIONS.
3. THE FLOW DIAGRAM AND INSTRUCTIONS SHALL BE AVAILABLE ON THE PREMISES AT ALL TIME
4. ALL MECHANICAL ROOM FLOORS SHALL BE SLOPED A MIN ¼" PER FOOT TO A DRAIN PER CBC 3122B. SEE ARCHITECTURAL SHEETS FOR SPOT ELEVATIONS AND SLOPES.

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January 5, 2023 CALA PROJECT NO. 21013

MCKINLEY PARK AND POOL RENOVATION

NEW MECHANICAL ROOM LAYOUT PLAN

PERMIT REVIEW SET

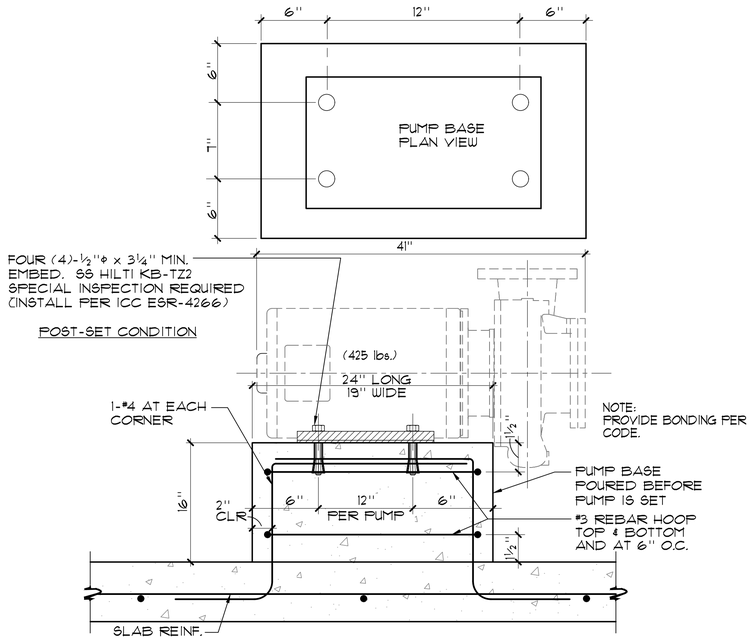
LICENSED ARCHITECT GREGORY S. FRELL C-30802 REN. 07/31/23 STATE OF CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By

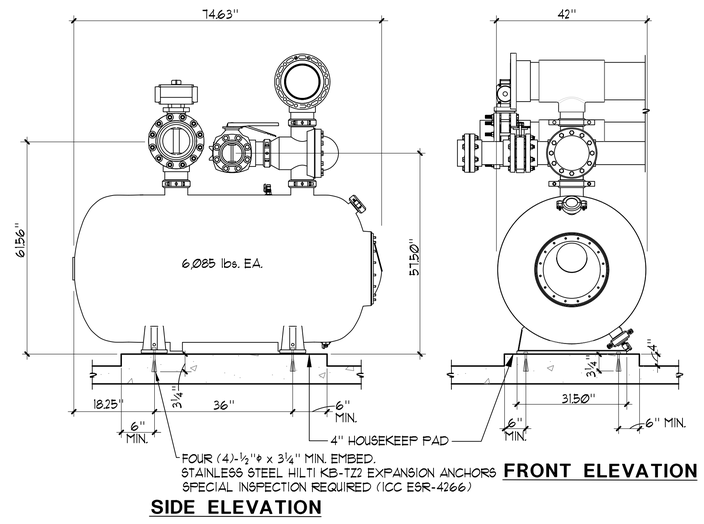
DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE	SHEET NO. MR-1
DESIGNED BY	GSF	CITY ENGINEER	105 OF 158 SHTS
DRAWN BY	NMV	STOCKTON, CALIFORNIA	
CHECKED BY	GSF		PROJECT NO. 5541.104C
RECORD DWGS.			

1 NEW MECHANICAL ROOM LAYOUT PLAN ⅜"=1'-0"



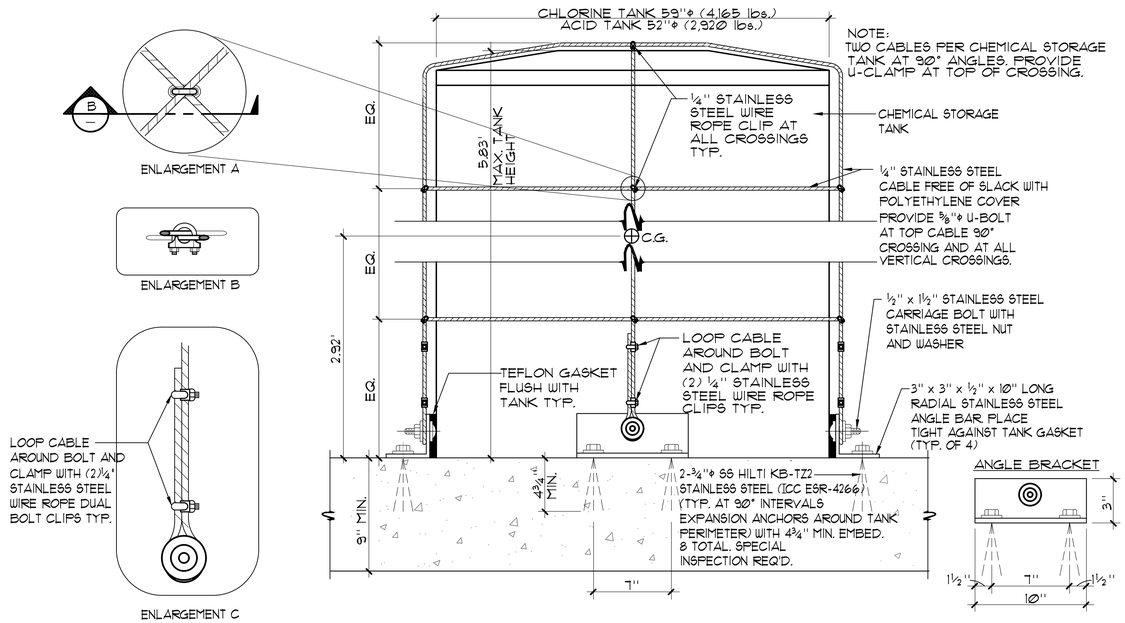
1 **PUMP ANCHORAGE** NO SCALE



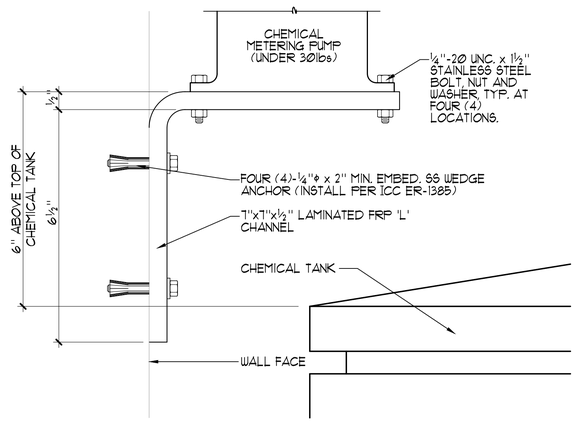
SIDE ELEVATION **FRONT ELEVATION**

2 **FILTER ANCHORAGE** NO SCALE

3 **DETAIL OMITTED**



4 **CHEMICAL TANK ANCHOR (TYP. 3 TANKS)** NO SCALE



5 **CHEMICAL PUMP SHELF** 6"=1'-0" PERMIT REVIEW SET

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January 5, 2023 CALA PROJECT NO. 21013

MCKINLEY PARK AND POOL RENOVATION

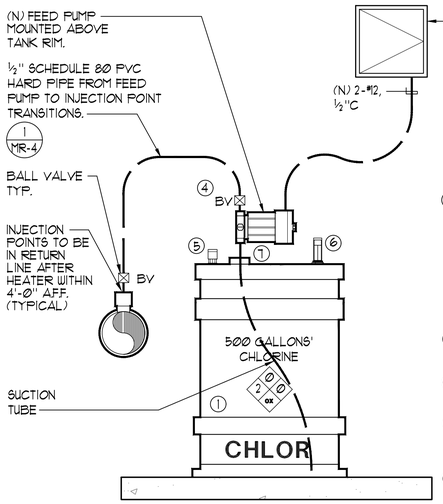
DETAILS

LICENSED ARCHITECT GERRY S. FRAIL C-35802 REN. 07/31/25 STATE OF CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

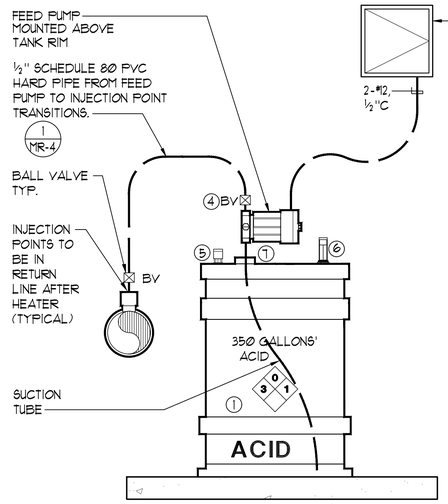
SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE	SHEET NO. MR-2
DESIGNED BY	GSF		106 OF 158 SHTS
DRAWN BY	NMV		
CHECKED BY	GSF	CITY ENGINEER	
RECORD DWGS.		STOCKTON, CALIFORNIA	PROJECT NO. 5541.105C



NOTES:

1. ABOVEGROUND STATIONARY TANKS USED FOR THE STORAGE OF HAZARDOUS MATERIALS SHALL BE PLACARDED WITH HAZARD IDENTIFICATION SIGNS AS SPECIFIED IN C.F.C. STANDARD 79-3 FOR THE SPECIFIC MATERIAL CONTAINED. SIGNS SHALL BE DURABLE. THE SIZE, COLOR AND LETTERING SHALL BE IN ACCORDANCE WITH NATIONALLY RECOGNIZED STANDARDS.
2. PIPING, TUBING, VALVES AND RELATED COMPONENTS SHALL BE SEISMIC BRACED.
3. PIPING AND TUBING SHALL BE IDENTIFIED TO INDICATE THE MATERIAL CONVEYED.
4. EMERGENCY SHUTOFF VALVES SHALL BE IDENTIFIED AND THE LOCATION SHALL BE CLEARLY VISIBLE AND INDICATED BY MEANS OF A SIGN.
5. PROVIDE 2" 'CAMLOCK' FILL PORT PER VENDOR'S REQUIREMENTS.
6. 'AT-A-GLANCE' CHEMICAL GUAGE BY KRUEGER SENTRY GAUGE CO. INC.
7. PROVIDE VAPORLOC CAP @ TUBING ENTRANCE

1 SODIUM HYPOCHLORITE FEED SCHEMATIC — NO SCALE



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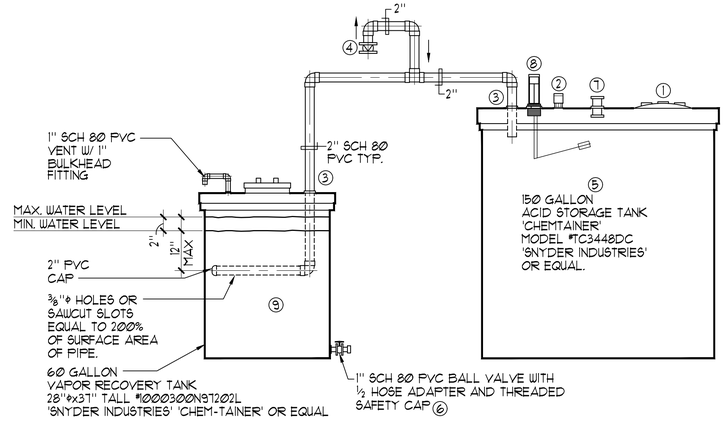
5. PROVIDE 2" 'CAMLOCK' FILL PORT PER VENDOR'S REQUIREMENTS.
6. 'AT-A-GLANCE' CHEMICAL GUAGE BY KRUEGER SENTRY GAUGE CO. INC.
7. PROVIDE VAPORLOC CAP @ TUBING ENTRANCE
8. MURIATIC ACID SOLUTION SHALL BE DILUTED TO A MAXIMUM 10% SOLUTION OR SOLUTION STRENGTH BELOW THE OFF-GASSING THRESHOLD. IN OFF-GASSING CONDITIONS PROPER VENTILATION SHALL BE PROVIDED.

2 MURIATIC ACID FEED SCHEMATIC — NO SCALE

1. SEAL NON-VENTED MANWAY AND PERMANENTLY CLOSE.
2. PROVIDE CAMLOCK FITTING FOR FILL HOSE.
3. PROVIDE 2" BULKHEAD FITTING.
4. PROVIDE 2" BALL CHECK VALVE.
5. PROVIDE DOUBLE WALLED DUAL CONTAINMENT TANK.
6. PROVIDE ¾"x100' HOSE W/ NON-CORROSIVE ENDS.
7. PROVIDE 2" BULKHEAD FITTING WITH 'VAPORLOC' SYSTEM FOR FEED PUMP SUCTION LINES(6).
8. PROVIDE 'AT-A-GLANCE CHEMICAL GAUGE' BY KRUEGER SENTRY GAUGE CO. INC.
9. PROVIDE SODIUM CARBONATE OR SODIUM BICARBONATE SOLUTION IN VAPOR RECOVER TANK.



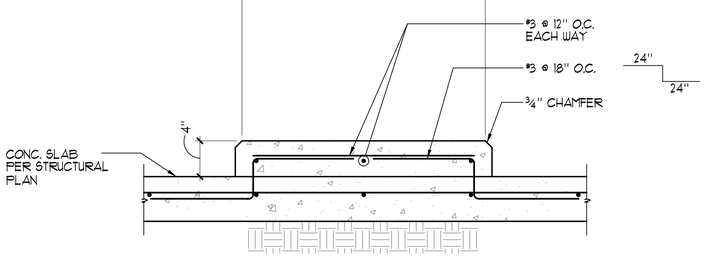
3 VAPOR RECOVERY TANK — 1/16"=1'-0"

4 TYPICAL EYEWASH/SHOWER DETAIL — NO SCALE

5 FILTER INTERFACE SYSTEM — 1½"=1'-0"

PIPE SIZE (NOMINAL)	OUTSIDE DIAMETER (PIPE O.D.)	CAST OR DRILLED CONCRETE HOLE (MIN.) DIA.	LINK SEAL SIZE NO.	NO. OF LINKS PER SEAL
½"	0.840	2.0	LS-200	4
¾"	1.050	2.5	LS-275	5
1"	1.315	3.0	LS-300	4
1¼"	1.660	3.0	LS-275	7
1½"	1.900	3.5	LS-300	5
2"	2.375	4.0	LS-300	6
2½"	2.875	4.0	LS-200	9
3"	3.50	5.0	LS-300	8
3½"	4.00	6.0	LS-325	5
4"	4.50	6.0	LS-300	10
5"	5.563	8.0	LS-425	6
6"	6.625	10.0	LS-475	10
8"	8.625	12.0	LS-475	12
10"	10.75	14.0	LS-400	10
12"	12.75	16.0	LS-400	12
14"	14.00	16.0	LS-325	15
16"	16.00	18.0	LS-325	17
18"	18.00	23.0	LS-500	16
20"	20.00	25.0	LS-500	18
22"	22.00	27.0	LS-500	19
24"	24.00	29.0	LS-500	21
26"	26.00	31.0	LS-500	23
28"	28.00	33.0	LS-500	24
30"	30.00	35.0	LS-500	26
32"	32.00	37.0	LS-500	28
34"	34.00	39.0	LS-500	29
36"	36.00	41.0	LS-500	30

7 PIPE SEAL TO WALL / FLOOR — NO SCALE



6 TYPICAL MECHANICAL PAD — 1½" = 1'-0"

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January 5, 2023 — CALA PROJECT NO. 21013

MCKINLEY PARK AND POOL RENOVATION

DETAILS

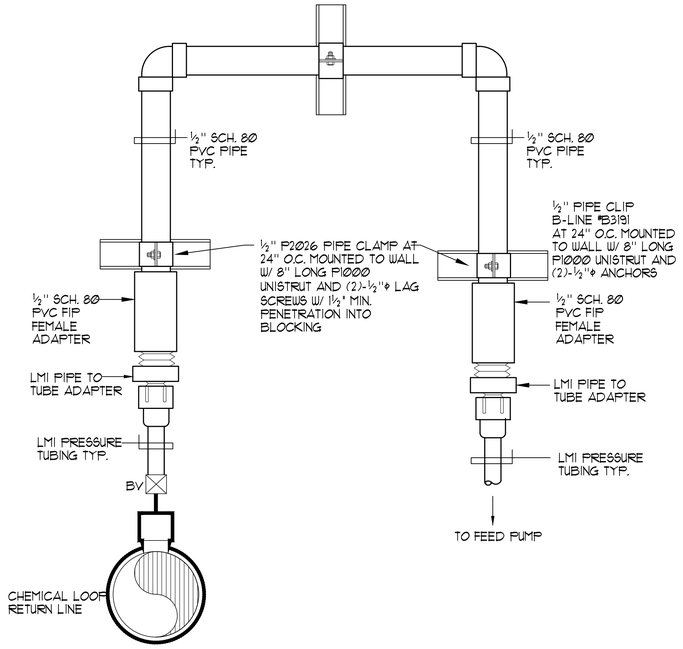
PERMIT REVIEW SET

LICENSED ARCHITECT — GREGORY S. FOSTER — C-35802 — REN. 07/31/25 — STATE OF CALIFORNIA

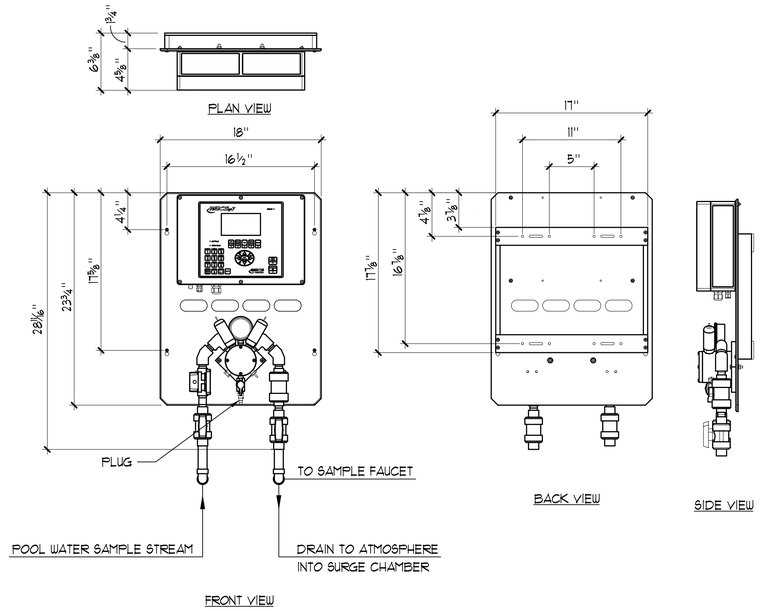
Revision No.	Description	Date	By	Aprvd. By

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

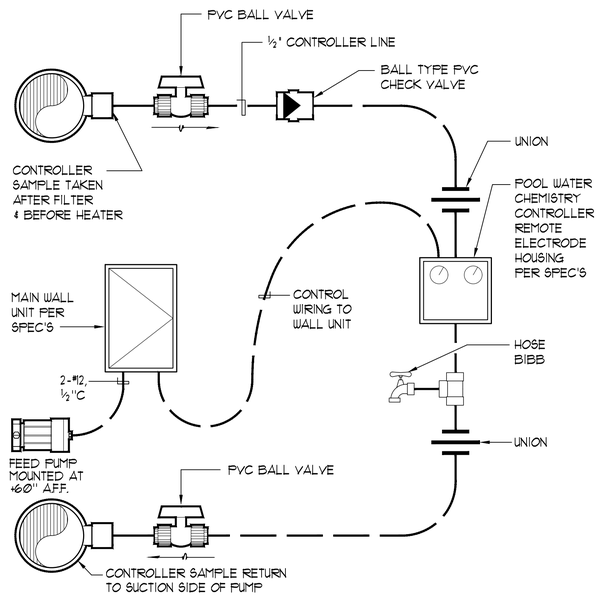
SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE	SHEET NO. MR-3
DESIGNED BY	GSF	CITY ENGINEER	107 OF 158 SHTS
DRAWN BY	NMV	STOCKTON, CALIFORNIA	PROJECT NO. 5541.106C
CHECKED BY	GSF		
RECORD DWGS.			



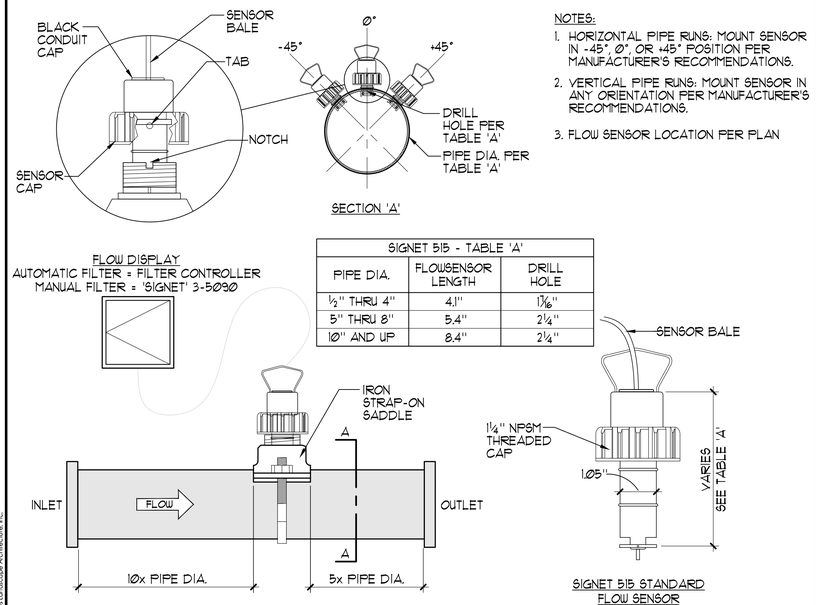
1 **CHEMICAL FEED PIPING DETAIL** NO SCALE



2 **WATER CHEMISTRY CONTROLLER** 1½"=1'-Ø"



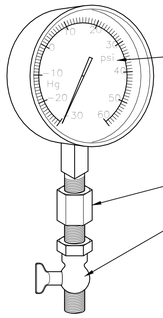
3 **WATER CHEMISTRY CONTROLLER SCHEMATIC** NO SCALE



NOTES:
1. HORIZONTAL PIPE RUNS: MOUNT SENSOR IN -45°, Ø°, OR +45° POSITION PER MANUFACTURER'S RECOMMENDATIONS.
2. VERTICAL PIPE RUNS: MOUNT SENSOR IN ANY ORIENTATION PER MANUFACTURER'S RECOMMENDATIONS.
3. FLOW SENSOR LOCATION PER PLAN

SIGNET 515 - TABLE 'A'		
PIPE DIA.	FLOWSENSOR LENGTH	DRILL HOLE
½" THRU 4"	4.1"	17/64"
5" THRU 8"	5.4"	2¼"
10" AND UP	8.4"	2¼"

4 **SIGNET FLOWMETER** NO SCALE



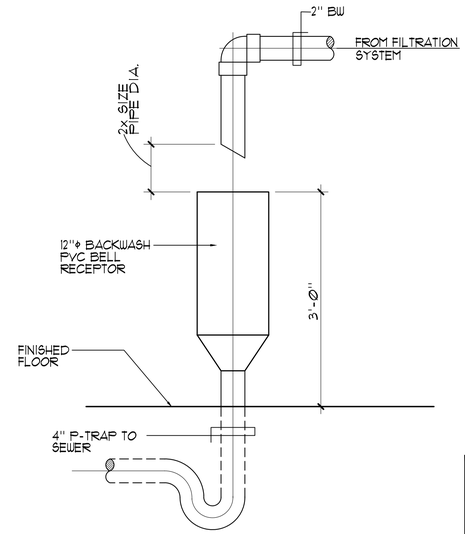
2½" S/S CASED LIQUID FILLED PRESSURE GAUGES SHALL HAVE A DIAL RANGE PRESSURE OF 60psi AND VACUUM RANGE OF 30" Hg THE MINOR GRADUATIONS SHALL HAVE A PRESSURE OF 2psi AND VACUUM OF 2" Hg, ¼" NPT PER SPECIFICATIONS.

SNUBBER

'PETCOCK' MODEL #A10, BRASS

NOTES:
1. PRESSURE GAUGES SHALL BE INSTALLED BY MEANS OF DRILLING AND TAPPING PIPE TO BE MONITORED. THE GAUGE SHALL THEN BE THREADED INTO THE PIPE. PROVIDE WITH SNUBBER AND PET COCK.
2. GAUGE MAY BE USED WHEREVER CRUCIAL VACUUM OR PRESSURE READINGS ARE ESSENTIAL.

5 **PRESSURE/ VACUUM GAUGE** 6"=1'-Ø"



6 **BELL RECEPTOR DETAIL** NO SCALE

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January 5, 2023 CALA PROJECT NO. 21013

MCKINLEY PARK AND POOL RENOVATION

DETAILS

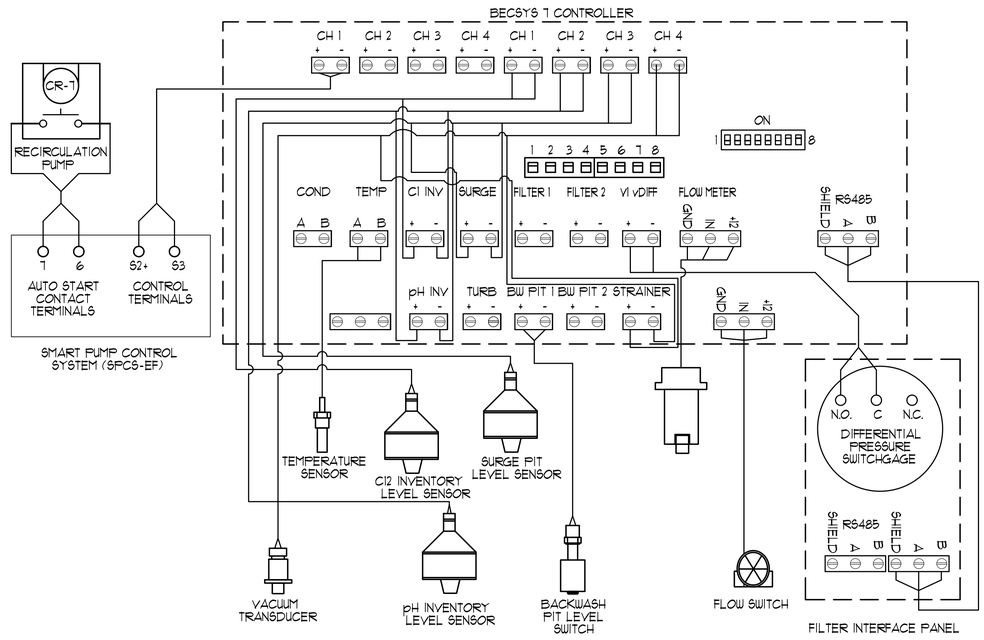
FINAL REVIEW SET

LICENSED ARCHITECT GREGORY S. ABBOTT C-35802 REN. 07/31/25 STATE OF CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By

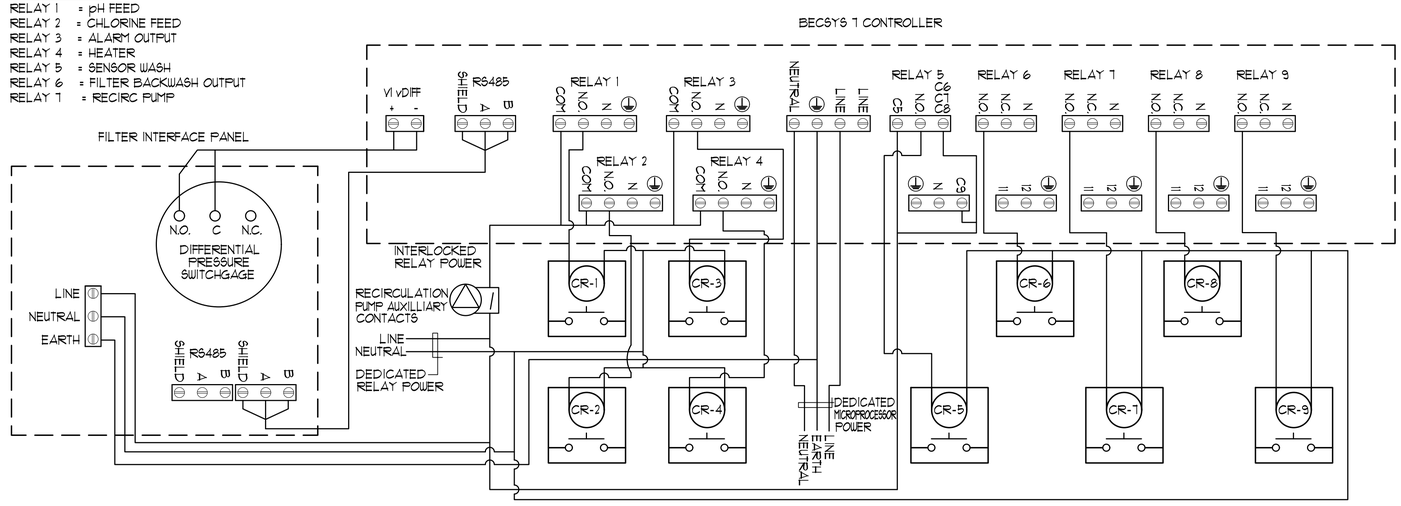
DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE	SHEET NO. MR-4
DESIGNED BY	GSF		108 OF 158 SHTS
DRAWN BY	NMV		
CHECKED BY	GSF	CITY ENGINEER	
RECORD DWGS.		STOCKTON, CALIFORNIA	PROJECT NO. 5541.107C

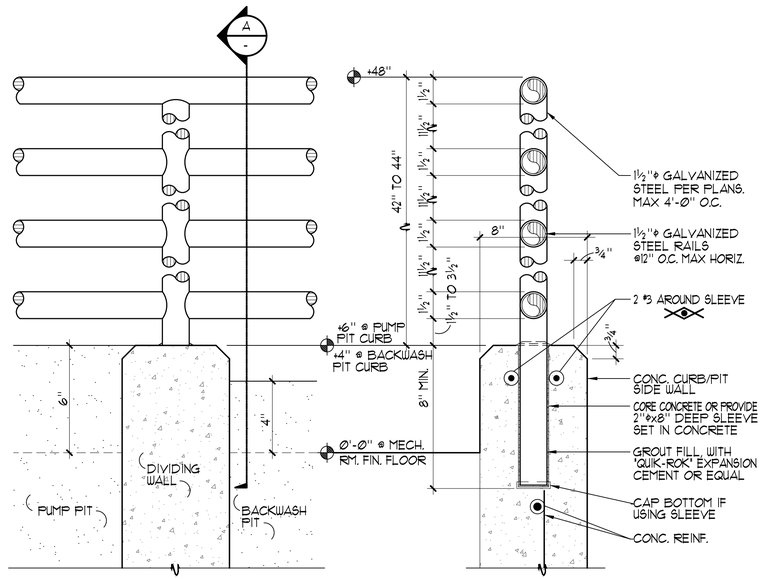


1 **WATER CHEMISTRY CONTROLLER RELAY INPUTS** NO SCALE

RELAY LEGEND
RELAY 1 = pH FEED
RELAY 2 = CHLORINE FEED
RELAY 3 = ALARM OUTPUT
RELAY 4 = HEATER
RELAY 5 = SENSOR WASH
RELAY 6 = FILTER BACKWASH OUTPUT
RELAY 7 = RECIRC PUMP



2 **WATER CHEMISTRY CONTROLLER RELAY OUTPUTS** NO SCALE

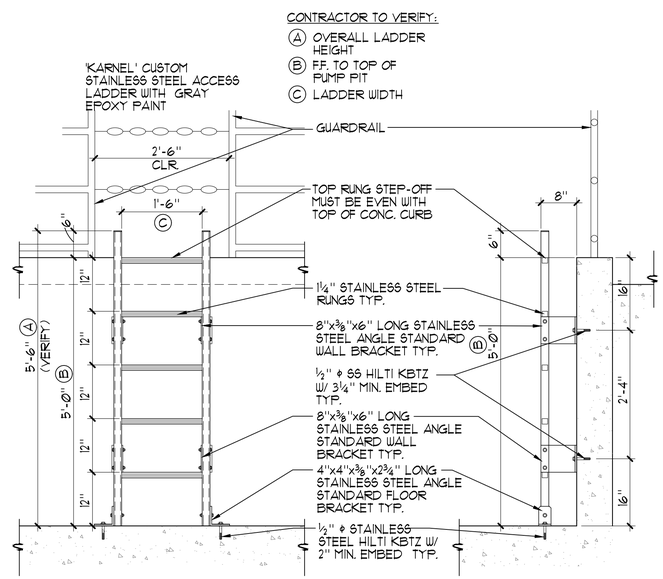


ELEVATION AT PIT DIVIDING WALL

A **GUARD RAIL SECTION**

3 **PIT GUARD RAIL** 3"=1'-0"

CONTRACTOR TO VERIFY:
(A) OVERALL LADDER HEIGHT
(B) F.F. TO TOP OF PUMP PIT
(C) LADDER WIDTH



1 **FRONT ELEVATION**

2 **SIDE ELEVATION**

4 **PUMP PIT ACCESS LADDER** ¾"=1'-0"

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January 5, 2023 CALA PROJECT NO. 21013

MCKINLEY PARK AND POOL RENOVATION

DETAILS

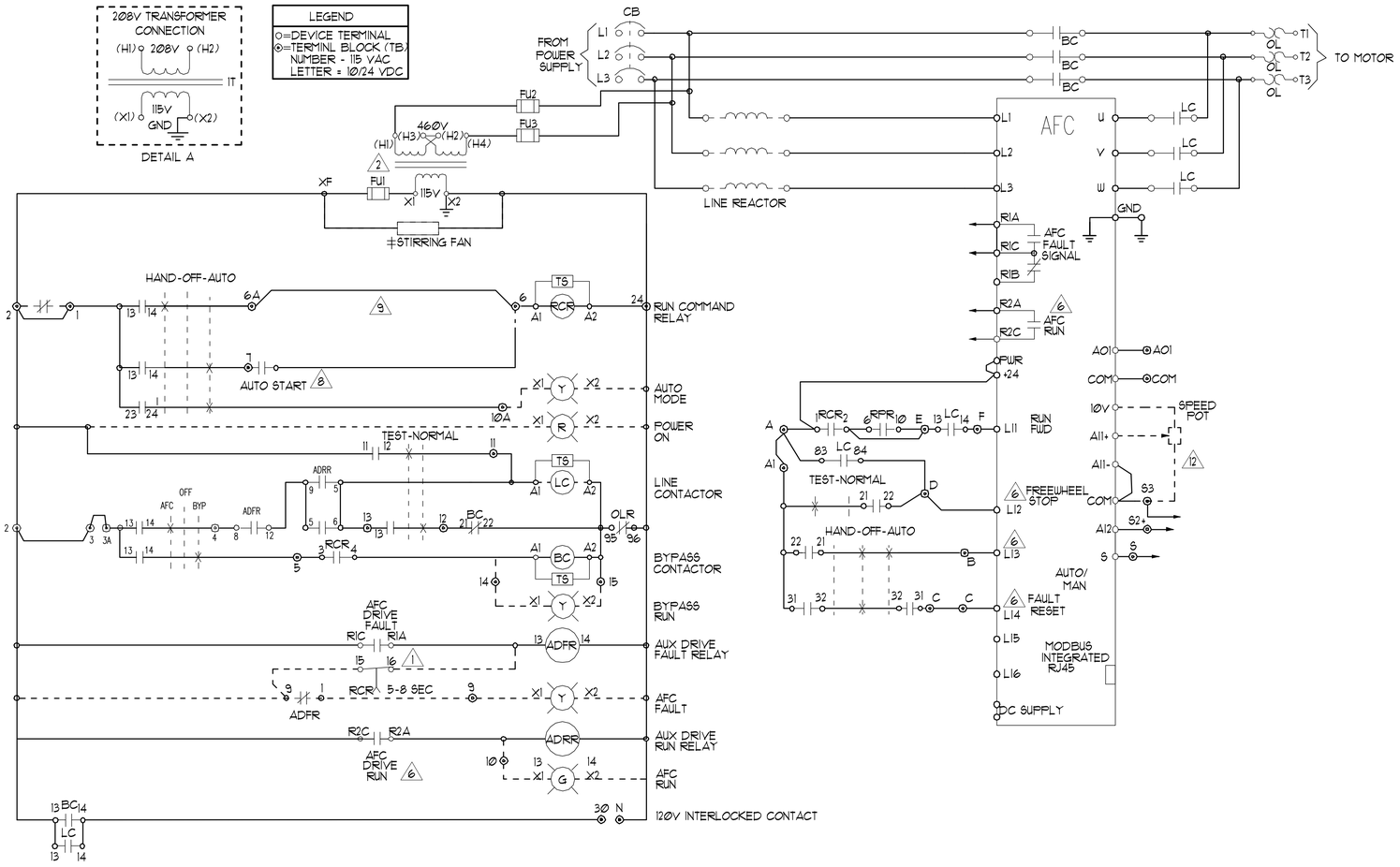
PERMIT REVIEW SET

LICENSED ARCHITECT GREGORY S. GSELL C-35802 REN. 07/31/25 STATE OF CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By

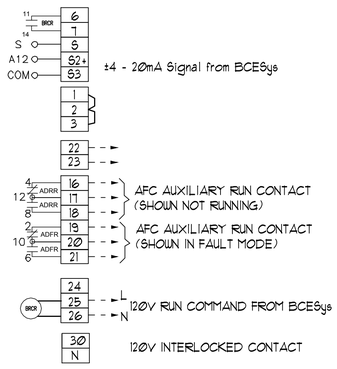
DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE	SHEET NO. MR-5
DESIGNED BY	GSF		109 OF 158 SHTS
DRAWN BY	NMV		
CHECKED BY	GSF	CITY ENGINEER	
RECORD DWGS.		STOCKTON, CALIFORNIA	PROJECT NO. 5541.108C



EKO-FLEX ATV61 FACTORY CONFIGURATION					
MENU	No	SUB-MENU	DESCRIPTION	CODE	ADJ.
SIM	1.1	----	2/3 WIRE CONTROL	tCC	2C
SIM	1.1	----	PUMPS FANS	CFG	PnF
SIM	1.1	----	STANDARD MOT. FREQ (HZ)	bFr	60
SIM	1.1	----	ACCELERATION (SEC)	ACC	10
SIM	1.1	----	DECELERATION (SEC)	dEC	10
SIM	1.1	----	LOW SPEED (HZ)	LSP	3
SIM	1.3	----	SWITCHING FREQ. (HZ)	SCr	8
I - O	1.5	----	2 WIRE TYPE	tCt	LEL
I - O	1.5	AI2 CONFIG.	AI2 MIN. VALUE (mA)	CrI2	4
I - O	1.5	R2 CONFIG.	R2 ASSIGN - DRIVE RUNNING	r2C	rUn
CtL	1.6	----	REF. 1 CHAN	FRI	HMI
CtL	1.6	----		FRI	AI1
CtL	1.6	----	PROFILE	CHCF	SEP
FUn	1.7	STOP CONFIG.	FREEWHEEL STOP ASSIGN	nST	LI2
FUn	1.7	REFERENCE SWITCH	REF. 1B SWITCHING	rCb	LI3
FUn	1.7	REFERENCE SWITCH	REF. 1B CHAN	Frlb	AI2
FLt	1.8	FAULT RESET	FAULT RESET	rSF	LI4
FLt	1.8	CATCH ON THE FLY	CATCH ON THE FLY	FLR	YES
FLt	1.8	OUTPUT PHASE LOSS	OUTPHASE LOSS	PDL	NO
COM	1.9	FORCED LOCAL	FORCED LOCAL ASSIGN.	FLt	LI4

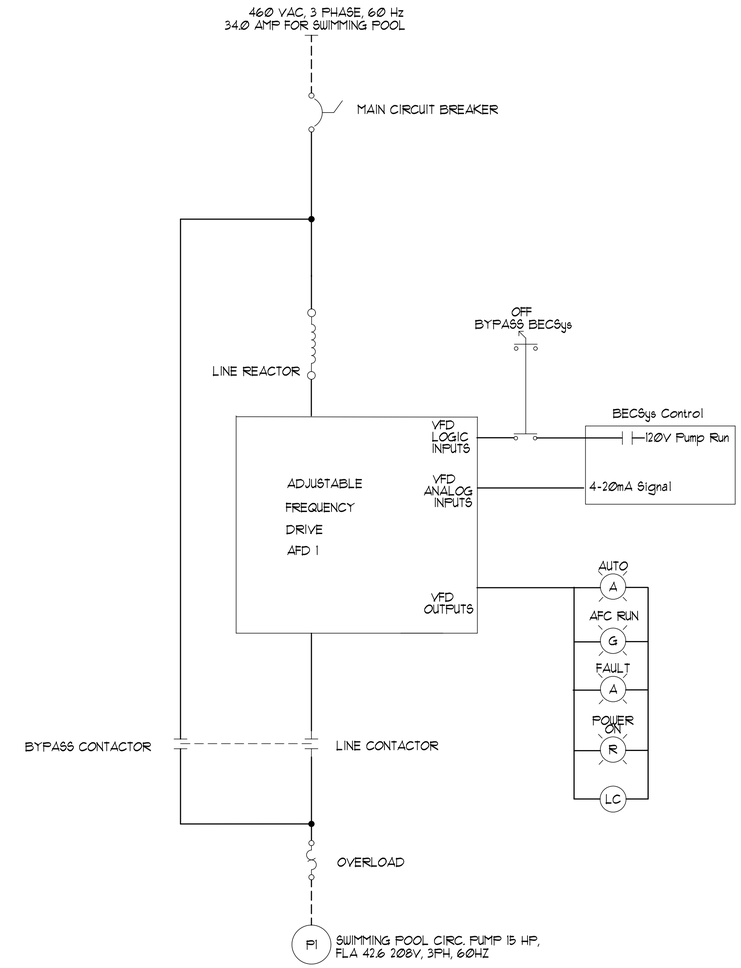
DESCRIPTION	TYPE 1	TYPE 12K	TYPE 3R
⧺ STIRRING FANS	10-100 HP 460V, 7.5-50HP 208/230V	10-100 HP 460V, 7.5-50HP 208/230V	NA
⧺ VENTILIATION FAN	NA	NA	ALL HP
⧺ SPACE HEATER	NA	NA	ALL HP



NOTES:

1. RCR TIMED CONTACT USED ONLY IF LINE CONTACTOR IS SUPPLIED
2. CONTROL TRANSFORMER SHOWN FOR 460V PRIMARY. FOR 230V PRIMARY, JUMPER H2-H3 IS
6. PROGRAMMED I/O SEE CONTROLLER FUNCTION CONFIGURATION TABLE.
8. BECs RUN COMMAND RELAY (BRCR)
9. JUMPER USED WHEN START-STOP PUSH BUTTONS NOT USED.

1 **'SPCS' EKO-FLEX VARIABLE FREQUENCY DRIVE SYSTEM SCHEMATIC** NO SCALE



2 **'SPCS' EKO-FLEX SINGLE LINE DIAGRAM** NO SCALE

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January 5, 2023 CALA PROJECT NO. 21013

MCKINLEY PARK AND POOL RENOVATION

DETAILS

PERMIT REVIEW SET

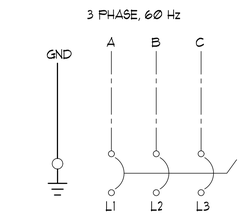
Revision No.	Description	Date	By	Aprvd. By

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

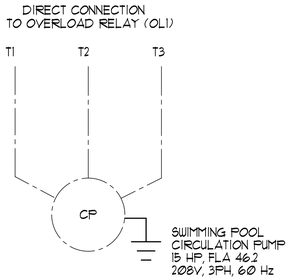
SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE	SHEET NO.
DESIGNED BY	GSF		MR-6
DRAWN BY	NMV		11OOF 158 SHTS
CHECKED BY	GSF	CITY ENGINEER	
RECORD DWGS.		STOCKTON, CALIFORNIA	PROJECT NO.

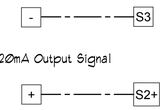
5541.109C

LICENSED ARCHITECT GEORGE S. ADAMS C-35802 REN. 07/31/23 STATE OF CALIFORNIA

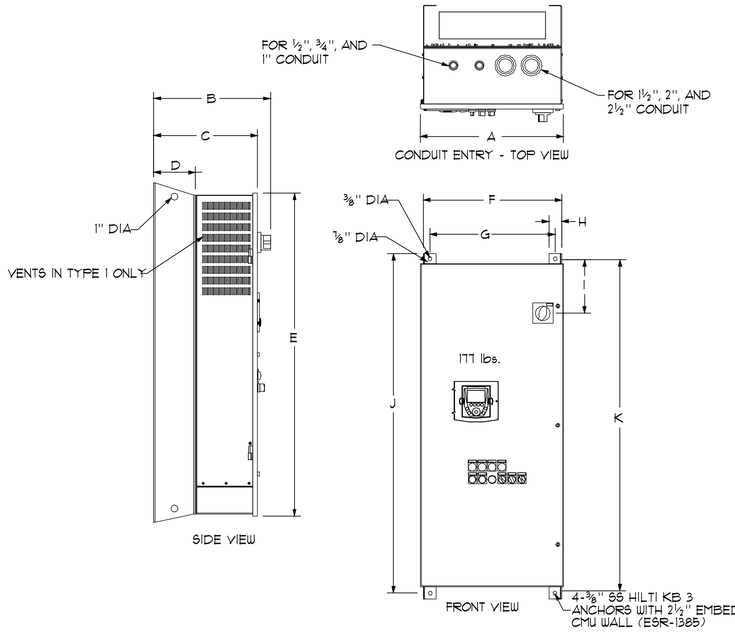


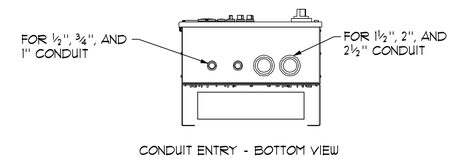
FUSED INTERLOCKED CONTACT





(1) 'SPCS' EKO-FLEX FIELD CONNECTION DIAGRAM NO SCALE





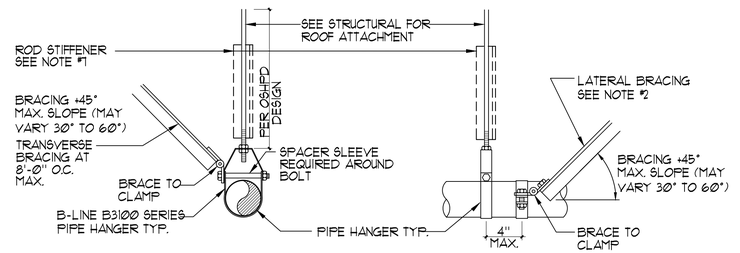
CONDUIT ENTRY - BOTTOM VIEW

NOTE:
PROVIDE AT LEAST 3" OF MOUNTING CLEARANCE ON EACH SIDE OF THE DRIVE CONTROLLER.
PROVIDE AT LEAST 6" OF MOUNTING CLEARANCE ON EACH TOP AND BOTTOM OF THE DRIVE CONTROLLER

'SPCS' EKO-FLEX SIZING TABLE

HP	HP	WEIGHT	DIMENSIONS									
460V	208/230V	LBS	A	B	C	D	E	F	G	H	I	J	K
1 TO 7.5	1 TO 5	83	14.76"	13.93"	12.08"	3.01"	37.38"	14.25"	12.30"	1.86"	6.11"	35.00"	33.75"
10 TO 25	7.5 TO 10	126	20.00"	13.93"	12.08"	3.01"	38.38"	19.49"	17.54"	1.86"	7.65"	41.00"	39.75"
30 TO 50	15 TO 25	177	20.65"	16.83"	14.83"	6.00"	46.64"	20.00"	18.04"	1.86"	7.75"	49.02"	47.83"
60 TO 100	30 TO 50	211	25.65"	16.83"	14.98"	6.00"	60.38"	25.00"	23.04"	1.86"	15.52"	63.00"	61.81"

(2) 'SPCS' EKO-FLEX ENCLOSURE DIMENSIONS NO SCALE



HANGER/BRACE PERPENDICULAR

HANGER/BRACE LONGITUDINAL

HANGER ROD SIZES/TABLE

⅜"ø AT 2" PIPING MAX. ROD LENGTH = SEE OFM DESIGN
⅝"ø AT 4" PIPING MAX. ROD LENGTH = SEE OFM DESIGN
¾"ø AT 6" PIPING MAX. ROD LENGTH = SEE OFM DESIGN
¾"ø AT 8" PIPING MAX. ROD LENGTH = SEE OFM DESIGN
¾"ø AT 10" PIPING MAX. ROD LENGTH = SEE OFM DESIGN

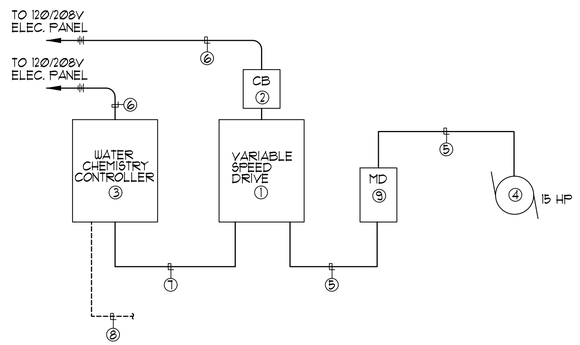
MAX. PIPE HANGER SPACING

4" PIPING OR SMALLER = 6'-0" O.C.
6" PIPING = 6'-0" O.C.
8" PIPING = 6'-0" O.C.
10" PIPING = 4'-0" O.C.

NOTES:

1. REFER TO OSHPD (OPM #0043-13 & #0052-13) FOR PIPE HANGER HARDWARE & INSTALLATION. INSTALLATION SHALL SATISFY ANCHORAGE REQUIREMENTS OF ACI 318 CHAPTER 17.
2. PROVIDE BRACING FOR EACH PIPE RUN IN TWO DIRECTIONS. AT EACH CHANGE OF DIRECTION OF PLUMBING AND MID LENGTHS SPAN NO GREATER THAN 12'-0".
3. REFER TO STRUCTURAL DETAIL FOR CONNECTIONS TO ROOF STRUCTURAL SYSTEMS.
4. REFER TO STRUCTURAL PLANS FOR TYPICAL DIAGONAL BRACE ATTACHMENT.
5. FOR COPPER TUBING USE COPPER PLATED OR PAINTED B3104CT, FELT LINED B3100F, OR PLASTIC COATED B3100C.
6. REFER TO MR1 FOR PIPE HANGER LOCATIONS.
7. PROVIDE ROD STIFFENER WHEN BRACING IS USED OR WHERE ROD LENGTHS EXCEED 31", SEE OFM DESIGN

(4) 'UNISTRUT' PIPING HANGER/SUPPORT DETAILS NO SCALE

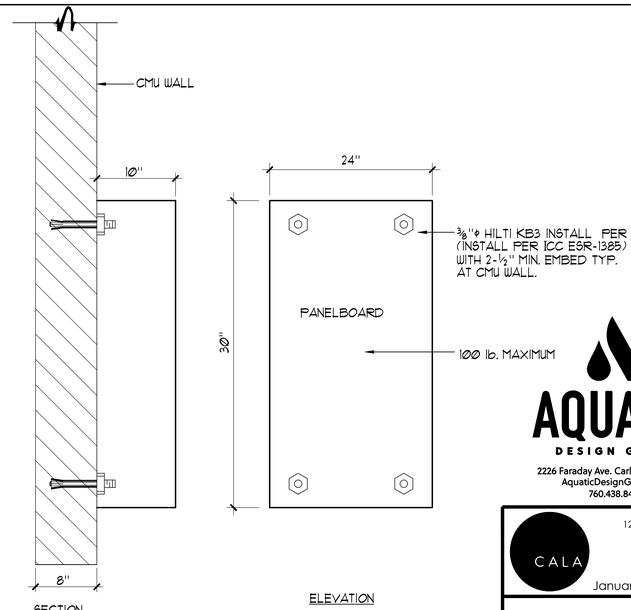


NOTES:

① VARIABLE SPEED DRIVE MOTOR CONTROL CABINET, SEE PLANS AND SPECIFICATIONS.
② ENCLOSED CIRCUIT BREAKER, SEE SINGLE LINE DIAGRAM.
③ WATER CHEMISTRY/FILTER CONTROL UNIT, SEE PLANS.
④ CONNECT TO CIRCULATION PUMP MOTOR, SEE PLANS.
⑤ MOTOR FEEDERS, SEESINGLE LINE DIAGRAM.
⑥ 120 VOLT BRANCH CIRCUITS, SEE PLANS.
⑦ ¾"C, (4) #12, (1) #12 GND. (120 VOLT CONTROL WIRING)
⑧ 24 VOLT SIGNAL AND SENSOR CABLING, SEE SPECIFICATIONS AND INSTALLATION INSTRUCTIONS FOR ADDITIONAL REQUIREMENTS.
⑨ MOTOR DISCONNECT, SEE PLANS.

NO SCALE

(3) TYPICAL WIRING SCHEMATIC AT SPCS UNIT



NO SCALE

(5) PANELBOARD MOUNTING DETAIL

NEW MR1 DETAIL SET

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January 5, 2023 CALA PROJECT NO. 21013

MCKINLEY PARK AND POOL RENOVATION

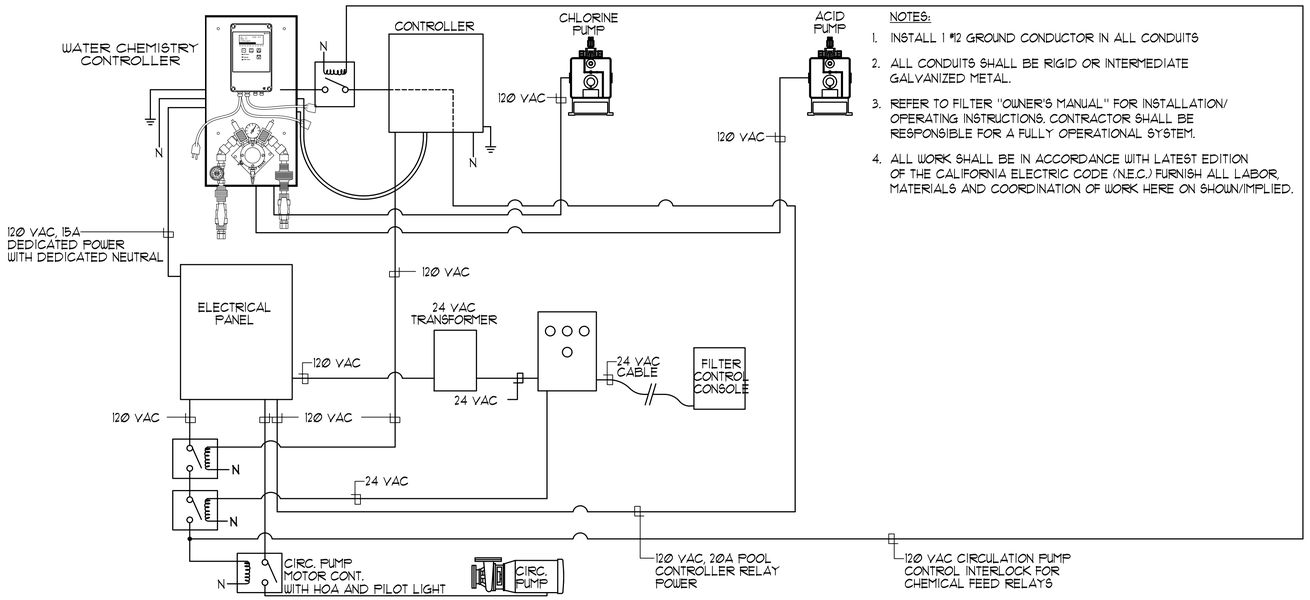
DETAILS

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By

LICENSED ARCHITECT GREGORY S. ROSE C-35802 REN. 07/31/25 STATE OF CALIFORNIA

SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE	SHEET NO. MR-7
DESIGNED BY	GSF		11 OF 158 SHTS
DRAWN BY	NMV		
CHECKED BY	GSF	CITY ENGINEER	
RECORD DWGS.		STOCKTON, CALIFORNIA	PROJECT NO. 5541.110C



NOTES:

1. INSTALL 1 #12 GROUND CONDUCTOR IN ALL CONDUITS
2. ALL CONDUITS SHALL BE RIGID OR INTERMEDIATE GALVANIZED METAL.
3. REFER TO FILTER "OWNER'S MANUAL" FOR INSTALLATION/ OPERATING INSTRUCTIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR A FULLY OPERATIONAL SYSTEM.
4. ALL WORK SHALL BE IN ACCORDANCE WITH LATEST EDITION OF THE CALIFORNIA ELECTRIC CODE (N.E.C.) FURNISH ALL LABOR, MATERIALS AND COORDINATION OF WORK HERE ON SHOWN/IMPLIED.

1 POOL MECHANICAL ELECTRICAL INTERCONNECTION DIAGRAM

NO SCALE

DESIGNATION: 'SP' — VOLTAGE: 120/208V 3PH 4W — 200 AMP ☒ MAIN BREAKER ☐ MAIN LUG — ☐ RECESSED ☒ SURFACE — LOCATION: MECHANICAL EQUIP. RM. — MINIMUM DEVICE A.I.C. RATING ☒ 10,000 ☐ 14,000 — PANELBOARD KEY NOTES (1)

DESCRIPTION:	C/B	CIR NO.	φ A	φ B	φ C	CIR NO.	C/B	DESCRIPTION:
SP FILTER AFC	20/1	1	1200			2	80/3	SP CIRC PUMP
		3	5544	1200		4		15 HP
SP PRESSURE AMP		5		5544	1200	6		
SP WATER CHEM CONTROL		7	360		5544	8	20/1	CHLORINE FEED
SP WATER CHEM RELAY		9	720	360		10		ACID FEED
SP CIRC PUMP INTERCONN.		11		720	360	12		SPARE (1)
SP CIRC PUMP MTR CONTROL		13	1440		720	14		SPACE
SPARE (1)		15		720		16		
SP FILTER PRIORITY		17			720	18		
SPARE (1)		19				20		
SPACE		21				22		
		23				24		
		25				26		
		27				28		
		29				30		
		31				32		
		33				34		
		35				36		
		37				38		
		39				40		
		41				42		
TOTAL PER PHASE			9,264	8,544	8,544			10,650 ÷ 120V = 89 AMPS
+ 25% L.C.L.			1,386	1,386	2,046			
TOTAL			10,650	9,930	10,590			

(1) GFI CIRCUIT SP = SWIMMING POOL

2 PANEL SCHEDULE

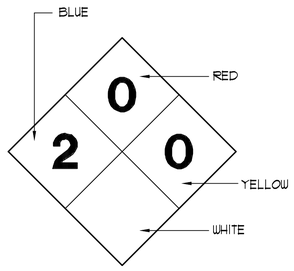
CHEMICAL CLASSIFICATION TABLE										
COMMON NAME	CHEMICAL NAME	% COMP.	CAS #	FORM	QUANT. STORED (NOT USED)	QUANT. IN USE (USE-CLOSED)	MAXIMUM ALLOWABLE QUANTITY	LOCATION (STORAGE & USE)	HAZ. CLASSES	JUSTIFICATION
SODIUM HYPOCHLORITE	SODIUM HYPOCHLORITE	12.5%	7681-52-9	LIQUID	0 GAL.	500 GAL.	500 GAL.	CHEM. ENCLOSURE	IRRITANT LIQUID	MSDS
MURIATIC ACID	HYDROCHLORIC ACID	25%	7647-01-0	LIQUID	0 GAL.	350 GAL.	500 GAL.	CHEM. ENCLOSURE	CORROSIVE LIQUID	MSDS

QUANTITIES OF CHEMICALS DO NOT EXCEED THE QUANTITIES LISTED IN CFC TABLE 5003.1.1(4) AND CBC TABLES 307.1 (1) AND 307.1 (2).

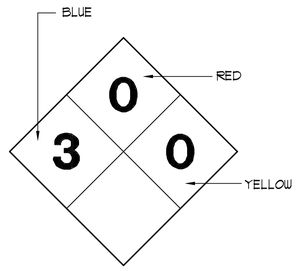
RATING EXPLANATION GUIDE					
RATING	HEALTH HAZARD	FLAMMABILITY HAZARD	REACTIVITY HAZARD	SPECIFIC HAZARD	
4	CAN BE LETHAL	EXTREMELY FLAMMABLE. IGNITES AT BELOW 73° F.	MAY EXPLODE AT NORMAL TEMPERATURES AND PRESSURES	OXIDIZER:	OX
				ACID:	ACID
3	CAN CAUSE SERIOUS OR PERMANENT INJURY	IGNITES AT ABOVE 73° F, BELOW 100° F.	MAY EXPLODE AT HIGH TEMPERATURES OR SHOCK	CORROSIVE:	COR
2	CAN CAUSE TEMPORARY INCAPACITATION OR RESIDUAL INJURY	IGNITES AT ABOVE 100° F, BELOW 200° F.	VIOLENT CHEMICAL CHANGE AT HIGH TEMPERATURES OR PRESSURES	ALKALI:	ALK
				USE NO WATER:	W
1	CAN CAUSE SIGNIFICANT IRRITATION	IGNITES AT ABOVE 200° F.	NORMALLY STABLE. HIGH TEMPERATURES MAKE UNSTABLE	RADIATION HAZARDS:	☢
				POLYMERIZES:	P
0	NO HAZARD	WILL NOT BURN	STABLE		

NOTES:

1. CONFIRM SIGNAGE WITH LOCAL FIRE MARSHALL AND/OR BUILDING CODES PRIOR TO INSTALLATION. SIGNS SHALL CONFORM TO NFPA 704.
2. SIGNS SHALL BE SIZES AND COLORS PER CODE MOUNTED AT +60" AFF. ON DOORS AT CHEMICAL ROOMS.



SODIUM HYPOCHLORITE



MURIATIC ACID

3 HAZARDOUS INFORMATION SIGNAGE

NO SCALE

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January 5, 2023 CALA PROJECT NO. 21013

MCKINLEY PARK AND POOL RENOVATION

DETAILS

PERMIT REVIEW SET

LICENSED ARCHITECT GERRY S. PARNELL C-35802 REN. 07/31/25 STATE OF CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN
DESIGNED BY	GSF
DRAWN BY	NMV
CHECKED BY	GSF
RECORD DWGS.	

APPROVED BY: 7/24/23 DATE
CITY ENGINEER
STOCKTON, CALIFORNIA

SHEET NO. MR-8
112 OF 158 SHTS
PROJECT NO. 5541.111C

A5.602
***CALGreen* VERIFICATION GUIDELINES**
MANDATORY MEASURES CHECKLIST

Application: This checklist shall be used for nonresidential projects that meet one of the following: new construction, building additions of 1,000 square feet or greater, or building alterations with a permit valuation of $200,000 or more pursuant to Section 301.3 AND do not trigger a Tier 1 or Tier 2 requirement:

Y = Yes (section has been selected and/or included)
N/A = Not Applicable (code section does not apply to the project—mainly used for additions and alterations)
O = Other (provide explanation)
[N] = New construction pursuant to Section 301.3
[A] = Additions and/or Alterations pursuant to Section 301.3

CHAPTER 5 DIVISIONS		SECTION TITLE	CODE SECTION	Y	N/A	O	PLAN SHEET, SPEC, OR ATTACH REFERENCE
DIVISION 5.1 Planning and Design	Mandatory	Storm water pollution prevention for projects that disturb less than 1 acre of land	5.106.1 through 5.106.2		X		
	Mandatory	Short-term bicycle parking (with exception)	5.106.4.1.1	X			
	Mandatory	Long-term bicycle parking	5.106.4.1.2 through 5.106.4.1.5	X			
	Mandatory	Designated parking for clean air vehicles	5.106.5.2	X			
	Mandatory	Parking stall marking	5.106.5.2.1	X			
	Mandatory	Single charging space requirements	5.106.5.3.1	X			
	Mandatory	Multiple charging space requirements [N]	5.106.5.3.2	X			
	Mandatory	EV charging space calculation [N] (with exceptions)	5.106.5.3.3	X			
	Mandatory	[N] Identification	5.106.5.3.4	X			
	Mandatory	[N] Future charging spaces	5.106.5.3.5		X		
	Mandatory	Light pollution reduction [N] (with exceptions and notes)	5.106.8	X			
	Mandatory	Grading and paving (exception for additions and alterations not altering the drainage path)	5.106.10	X			
DIVISION 5.2 Energy Efficiency	Mandatory	Meet the minimum energy efficiency standard	5.201.1	X			
DIVISION 5.3 Water Efficiency and Conservation (continued)	Mandatory	Separate meters (new buildings or additions > 50,000 sf that consume more than 100 gal/day)	5.303.1.1		X		
	Mandatory	Separate meters (for tenants in new buildings or additions that consume more than 1,000 gal/day)	5.303.1.2		X		
	Mandatory	Water closets shall not exceed 1.28 gallons per flush (gpf)	5.303.3.1	X			

(continued)

CHAPTER 5 DIVISIONS		SECTION TITLE	CODE SECTION	Y	N/A	O	PLAN SHEET, SPEC, OR ATTACH REFERENCE
(continued) **DIVISION 5.3 Water Efficiency and Conservation**	Mandatory	Wall-mounted urinals shall not exceed 0.125 gpf	5.303.3.2.1	X			
	Mandatory	Floor-mounted urinals shall not exceed 0.5 gpf	5.303.3.2.2		X		
	Mandatory	Single showerhead shall have maximum flow rate of 1.8 gpm (gallons per minute) at 80 psi	5.303.3.3.1	X			
	Mandatory	Multiple showerheads serving one shower shall have a combined flow rate of 1.8 gpm at 80 psi	5.303.3.3.2		X		
	Mandatory	Nonresidential lavatory faucets	5.303.3.4.1	X			
	Mandatory	Kitchen faucets	5.303.3.4.2		X		
	Mandatory	Wash fountains	5.303.3.4.3		X		
	Mandatory	Metering faucets	5.303.3.4.4		X		
	Mandatory	Metering faucets for wash fountains	5.303.3.4.5		X		
	Mandatory	Food waste disposers	5.303.4.1		X		
	Mandatory	Areas of additions or alterations	5.303.5		X		
	Mandatory	Standards for plumbing fixtures and fittings	5.303.6	X			
	Mandatory	Outdoor potable water use in landscape areas (with notes)	5.304.1	X			
	Mandatory	Outdoor water supply systems (with Exceptions 1-4)	5.305.1.1		X		
	Mandatory	Technical requirements for outdoor recycled water supply systems	5.305.1.2		X		
DIVISION 5.4 Material Conservation and Resource Efficiency (continued)	Mandatory	Weather protection	5.407.1	X			
	Mandatory	Moisture control: sprinklers	5.407.2.1		X		
	Mandatory	Moisture control: exterior door protection	5.407.2.2.1	X			
	Mandatory	Moisture control: flashing	5.407.2.2.2	X			
	Mandatory	Construction waste management—comply with either: Sections 5.408.1.1, 5.408.1.2, 5.408.1.3 or more stringent local ordinance	5.408.1.1, 5.408.1.2, 5.408.1.3	X			
	Mandatory	Construction waste management: documentation	5.408.1.4	X			
	Mandatory	Universal waste [A]	5.408.2		X		
	Mandatory	Excavated soil and land clearing debris (100% reuse or recycle)	5.408.3	X			
	Mandatory	Recycling by occupants (with exception)	5.410.1	X			
	Mandatory	Recycling by occupants: additions (with exception)	5.410.1.1		X		
	Mandatory	Recycling by occupants: sample ordinance	5.410.1.2		X		
	Mandatory	Commissioning new buildings (≥ 10,000 sf) [N]	5.410.2		X		
	Mandatory	Owner's or owner representative's Project Requirements (OPR) [N]	5.410.2.1		X		
	Mandatory	Basis of Design (BOD) [N]	5.410.2.2	X			

(continued)

CHAPTER 5 DIVISIONS		SECTION TITLE	CODE SECTION	Y	N/A	O	PLAN SHEET, SPEC, OR ATTACH REFERENCE
(continued) **DIVISION 5.4 Material Conservation and Resource Efficiency**	Mandatory	Commissioning plan [N]	5.410.2.3		X		
	Mandatory	Functional performance testing [N]	5.410.2.4		X		
	Mandatory	Documentation and training [N]	5.410.2.5		X		
	Mandatory	Systems manual [N]	5.410.2.5.1		X		
	Mandatory	Systems operation training [N]	5.410.2.5.2		X		
	Mandatory	Commissioning report [N]	5.410.2.6		X		
	Mandatory	Testing and adjusting for new buildings < 10,000 sf or new systems that serve additions or alterations [A]	5.410.4	X			
	Mandatory	System testing plan for renewable energy, landscape irrigation and water reuse [A]	5.410.4.2	X			
	Mandatory	Procedures for testing and adjusting	5.410.4.3	X			
	Mandatory	Procedures for HVAC balancing	5.410.4.3.1	X			
	Mandatory	Reporting for testing and adjusting	5.410.4.4	X			
	Mandatory	Operation and maintenance (O&M) manual	5.410.4.5	X			
	Mandatory	Inspection and reports	5.410.4.5.1	X			
DIVISION 5.5 Environmental Quality (continued)	Mandatory	Fireplaces	5.503.1		X		
	Mandatory	Woodstoves	5.503.1.1		X		
	Mandatory	Temporary ventilation	5.504.1	X			
	Mandatory	Covering of ducts openings and protection of mechanical equipment during construction	5.504.3	X			
	Mandatory	Adhesives, sealants, and caulks	5.504.4.1	X			
	Mandatory	Paints and coatings	5.504.4.3	X			
	Mandatory	Aerosol paints and coatings	5.504.4.3.1		X		
	Mandatory	Aerosol paints and coatings: verification	5.504.4.3.2		X		
	Mandatory	Carpet systems	5.504.4.4		X		
	Mandatory	Carpet cushion	5.504.4.4.1		X		
	Mandatory	Carpet adhesives per Table 5.504.4.1	5.504.4.4.2		X		
	Mandatory	Composite wood products	5.504.4.5		X		
	Mandatory	Composite wood products: documentation	5.504.4.5.3		X		
	Mandatory	Resilient flooring systems	5.504.4.6		X		
	Mandatory	Resilient flooring: verification of compliance	5.504.4.6.1		X		
	Mandatory	Filters (with exceptions)	5.504.5.3	X			
	Mandatory	Filters: labeling	5.504.5.3.1	X			
	Mandatory	Environmental tobacco smoke (ETS) control	5.504.7		X		
	Mandatory	Indoor moisture control	5.505.1	X			

(continued)

CHAPTER 5 DIVISIONS		SECTION TITLE	CODE SECTION	Y	N/A	O	PLAN SHEET, SPEC, OR ATTACH REFERENCE
(continued) **DIVISION 5.5 Environmental Quality**	Mandatory	Outside air delivery	5.506.1	X			
	Mandatory	Carbon dioxide (CO_2) monitoring	5.506.2	X			
	Mandatory	Acoustical control (with exception)	5.507.4		X		
	Mandatory	Exterior noise transmission, prescriptive method (with exceptions)	5.507.4.1		X		
	Mandatory	Noise exposure where noise contours are not readily available	5.507.4.1.1		X		
	Mandatory	Performance method	5.507.4.2		X		
	Mandatory	Site features	5.507.4.2.1		X		
	Mandatory	Documentation of compliance	5.507.4.2.2		X		
	Mandatory	Interior sound transmission (with note)	5.507.4.3		X		
	Mandatory	Ozone depletion and greenhouse gas reductions	5.508.1	X			
	Mandatory	Chlorofluorocarbons (CFCs)	5.508.1.1	X			
	Mandatory	Halons	5.508.1.2	X			
	Mandatory	Supermarket refrigerant leak reduction for retail food stores 8,000 square feet or more Sections 5.508.2 through 5.508.2.6.3	5.508.2 through 5.508.2.6.3		X		
		END OF MANDATORY PROVISIONS					

Documentation Author's / Responsible Designer's Declaration Statement	
☐ **Mandatory:** I attest that this mandatory provisions checklist is accurate and complete.	
Signature:	
Company:	Date:
Address:	License:
City/State/Zip:	Phone:

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2/21/2023 CALA PROJECT NO. 21013

MCKINLEY PARK AND POOL RENOVATION

CAL GREEN NON RESIDENTIAL CHECKLIST

PERMIT REVIEW SET

LICENSED ARCHITECT ERIC WILLIAM RHONE C28388 September 2023 STATE OF CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	12" = 1'-0"
DESIGNED BY	EB
DRAWN BY	EB
CHECKED BY	EW, EB
RECORD DWGS.	

APPROVED BY: 7/24/23 DATE
CITY ENGINEER
STOCKTON, CALIFORNIA

SHEET NO. G1.00
113 OF 158 SHTS
PROJECT NO. 5541.112C

DETERMINE TOTAL NUMBER OF FIXTURES BY DIVIDING THE
CALCULATED OCCUPANT LOAD BY THE ALLOWABLE FIXTURES PER PERSON IN CBC SECTION 3116B.2 (1)

STEP 1 - CALCULATE OOCUPANT LOAD FOR POOL SURFACE
- POOL AREA 5,300 SF......................5,300/15 OCC LOAD = 353.3 OCCUPANTS (1)

STEP 2 - DETERMINE OCCUPANT LOAD FOR EACH SANITARY FACILITY
- SHOWERS - 1 PER 50 POOL USERS
- TOILETS - 1 PER 60 WOMEN, 1 PER 75 MEN
- LAVATORIES - 1 PER EVERY 80 POOL USERS

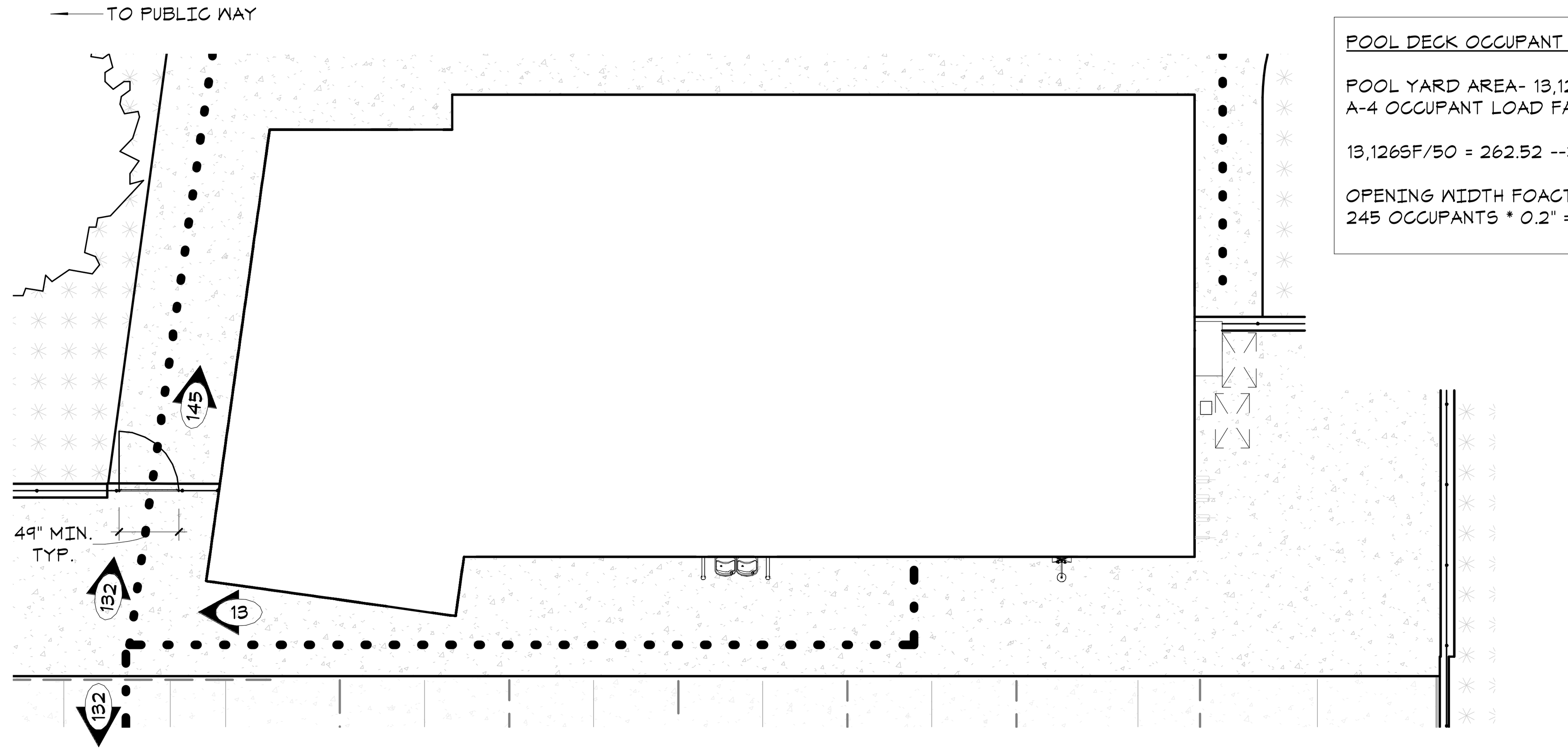
STEP 3 - REQUIRED FIXTURES
- SHOWERS - 353.3/50 = 7
- TOILETS, WOMEN - 176.65/60 = 2.9 --> 3
- TOILETS, MEN - 176.65/75 = 2.4 --> 3
- LAVATORIES - 353.3/80 = 4.4 --> 5

STEP 4 - REQUIRED FIXTURES
- SHOWERS - 353.3/50 = 7
- TOILETS, WOMEN - 176.65/60 = 2.9 --> 3
- TOILETS, MEN - 176.65/75 = 2.4 --> 3
- LAVATORIES - 353.3/80 = 4.4 --> 5

FRACTIONAL METHOD	TOILETS		LAVATORIES	SERVICE SINKS	DRINKING FOUNTAIN
	M	F			
REQUIRED	3	3	5	1	1
PROPOSED	3	3	5	1	2

**EQUAL ACCOMADATION FOR MALE AND FEMALE

2 (G2.00) PLUMBING FIXTURE CALCULATION
12" = 1'-0"



POOL DECK OCCUPANT LOAD CALCULATIONS

POOL YARD AREA- 13,126SF
A-4 OCCUPANT LOAD FACTOR - 50 GROSS

13,126SF/50 = 262.52 --> 263

OPENING WIDTH FOACTOR = 0.2 INCHES/OCCUPANT
245 OCCUPANTS * 0.2" = 49" MINIMUM

(1)

3 (G2.00) POOL LIFE SAFETY PLAN
1" = 10'-0"

CODE COMPLIANCE

REFERENCE	DESCRIPTION	INTERPRETATION
MAXIMUM TRAVEL DISTANCE		
CBC TABLE 1017.2	MAX. TRAVEL DISTANCE	300 FT (W/ SPRINKLERS) U.O.N. BY OCCUPANCY
CBC 1006.2.1	COMMON PATH OF TRAVEL	< 100 FT

MINIMUM REQUIRED EGRESS

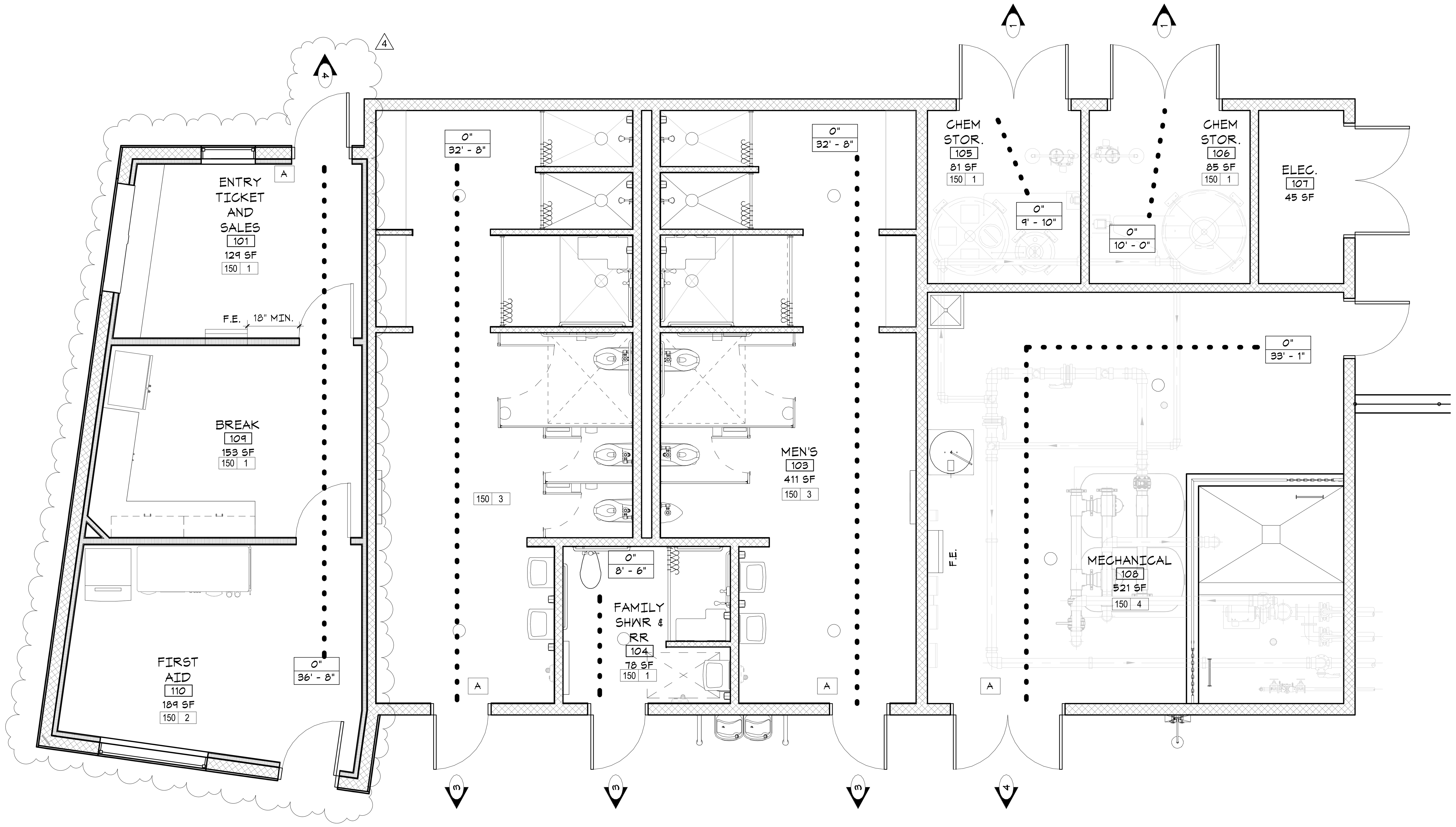
CBC 1006.3.1	MINIMUM NUMBER OF EXIST REQUIRED	2 (OCC. LOAD < 500)
CBC 1007.1.1	EXIT ARRANGEMENT SEPARATION	< 1/3 THE DIAGONAL DIM. (W/ SPRINKLERS)

OCCUPANT LOAD

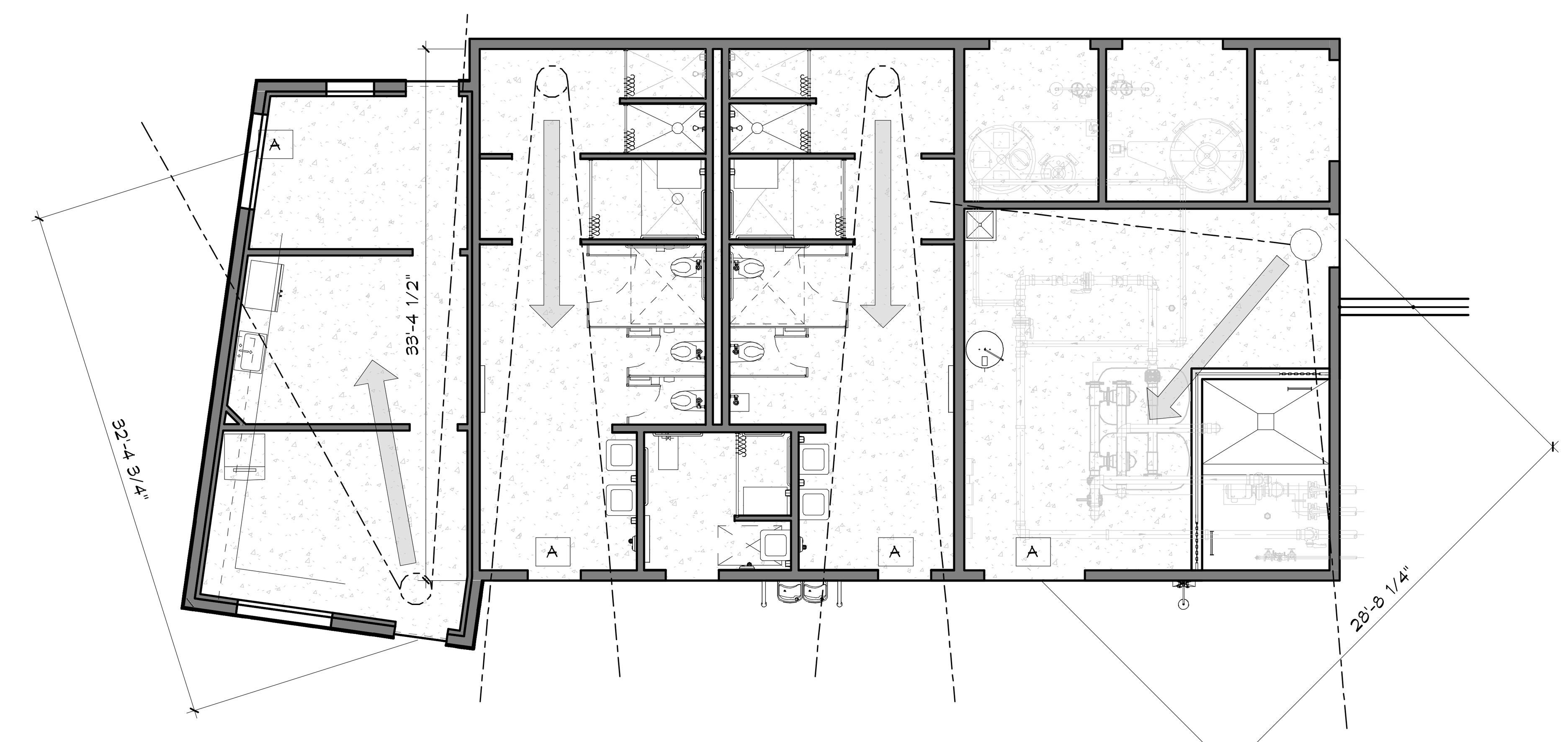
ROOM NO.	ROOM NAME	AREA	LOAD FACTOR	OCC. LOAD
101	ENTRY TICKET AND SALES	129 SF	150 SF	1
103	MEN'S	411 SF	150 SF	3
104	FAMILY SHWR & RR	78 SF	150 SF	1
105	CHEM STOR.	81 SF	150 SF	1
106	CHEM STOR.	85 SF	150 SF	1
107	ELEC.	45 SF	150 SF	1
108	MECHANICAL	521 SF	150 SF	4
109	BREAK	153 SF		
110	FIRST AID	189 SF		
119	Room	Not Placed		
120	Room	Not Placed		

LEGEND

- ROOM NAME / 101 / XXX — ROOM NAME & REFERENCE NUMBER; FLOOR AREA
- 0 | 0 — ROOM OCCUPANT LOAD (SF/OLF); OCCUPANT LOAD FACTOR FROM TABLE 1004.1.2
- 5 — OCCUPANT LOAD FROM ROOM OR SPACE INDICATING DIRECTION OF TRAVEL
- 26 — CUMULATIVE OCCUPANT LOAD @ EXIT INDICATING DIRECTION OF TRAVEL
- 35' - 0" / 57' - 0" — COMMON PATH OF EGRESS TRAVEL DISTANCE; EXIT ACCESS TRAVEL DISTANCE
- EGRESS PATH OF TRAVEL
- F.E. — FIRE EXTINGUISHER CABINET
- A — "EXIT" SIGN - SEE 10/G3.00
- BATTERY BACK-UP ILLUMINATED EXIT SIGN @ 8'-6" A.F.F. - REFER TO ELECT. DWGS.



1 (G2.00) BUILDING LIFE SAFETY PLAN
1/4" = 1'-0"



4 (G2.00) LINE OF SIGHT STUDY
1/8" = 1'-0"

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MCKINLEY PARK AND POOL RENOVATION

LIFE SAFETY PLAN

PERMIT REVIEW SET

LICENSED ARCHITECT ERIC WILLIAM WOHLE C28388 September 2023 STATE OF CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By
1	PLAN CHECK	11/14/22	EB	EW
3	PLAN CHECK	2/21/23	EB	EW
4	CITY REVISIONS	4/13/23	EB	EW

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	As indicated
DESIGNED BY	EB
DRAWN BY	EB
CHECKED BY	EW, EB
RECORD DWGS.	

APPROVED BY: 7/24/23 DATE
CITY ENGINEER
STOCKTON, CALIFORNIA

SHEET NO. G2.00
114 OF 158 SHTS
PROJECT NO.

5541.113C

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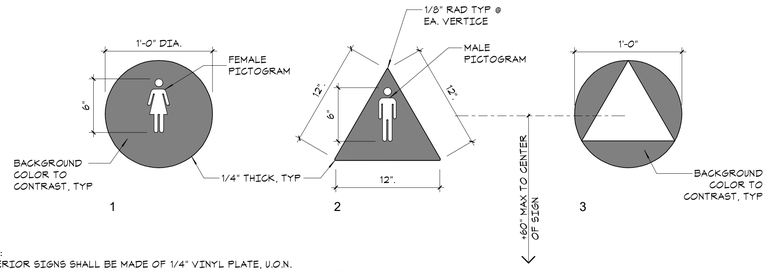
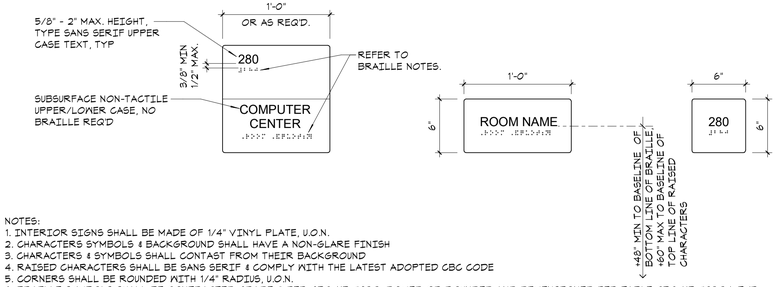
File Path: \\NAS366A5E\Projects\Callendar & Assoc -574\574-03-21 Mckinley Park Pool House\12 Mckinley Park Pool House Revit\0 Linked Files\21013_BS_TB_211020\21013-TB_COS_NO_KM.dwg Plot Date: 2/14/19 Saved By: Eburford
4/27/2023 11:13:13 AM20 Callander Associates Landscape Architecture, Inc.



NOTES:
1. INTERIOR SIGNS SHALL BE MADE OF 1/4" VINYL PLATE, U.O.N.
2. CHARACTERS SYMBOLS & BACKGROUND SHALL HAVE A NON-GLARE FINISH
3. CHARACTERS & SYMBOLS SHALL CONTAST FROM THEIR BACKGROUND
4. RAISED CHARACTERS SHALL BE SANS SERIF & COMPLY WITH THE LATEST ADOPTED CBC CODE
5. CORNERS SHALL BE ROUNDED WITH 1/4" RADIUS, U.O.N.
6. BRAILLE SYMBOLS SHALL BE CONTRACTED GRADE 2 PER CBC 11B-703.3, DOMED OR ROUNDED AND DIMENSIONED PER TABLE CBC 11B-703.3.1. TYP.

17 / G3.00 RESTROOM DOOR I.D.
1 1/2" = 1'-0"



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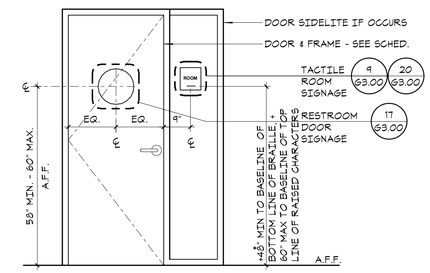
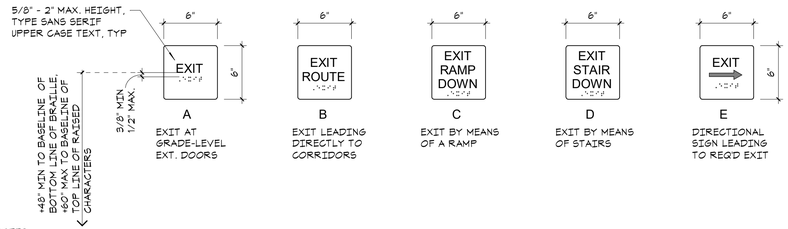
7. CLIENT TO SELECT SIGNAGE TYPE, U.O.N.

9 / G3.00 ROOM I.D. SIGNAGE - WALL MOUNT
1 1/2" = 1'-0"



NOTE:
1. A PERSON MAY APPROACH WITHIN 3" OF SIGNAGE WITHOUT ENCOUNTERING PROTUDING OBJECTS OR STANDING WITHIN THE SWING OF A DOOR.
2. SIGNS SHALL BE LOCATED ON THE WALL ADJACENT TO THE LATCH SIDE OF THE DOOR.
3. SIGNAGE INSTALLATION SHALL BE IN COMPLIANCE WITH 2016 CBC 11B-703.4.2

1 / G3.00 SIGNAGE MOUNTING HEIGHT
1/2" = 1'-0"



NOTES:
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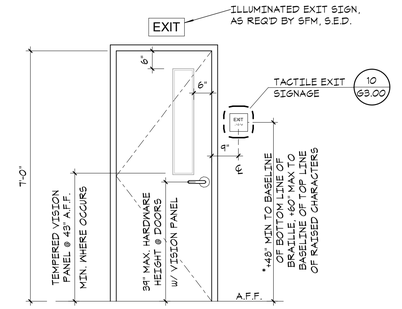
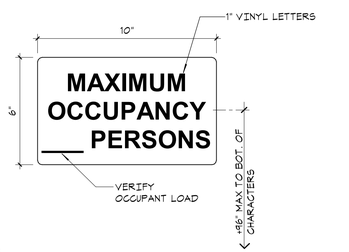
10 / G3.00 EXIT SIGNAGE
1 1/2" = 1'-0"



2 / G3.00 EXIT DOOR SIGNAGE
1/2" = 1'-0"



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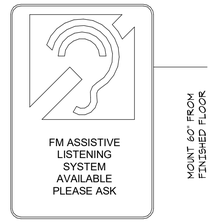
19 / G3.00 MAX. OCCUPANCY
3" = 1'-0"

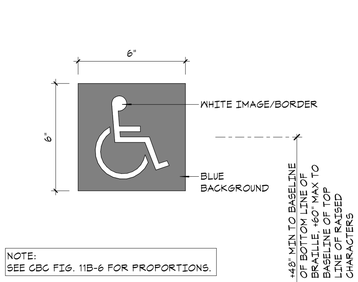


PROVIDE PLASTIC ENGRAVED, 8" WIDE X 12" HIGH X 1/8" THICK (BACKGROUND) ASSISTIVE LISTENING SYSTEM SIGN WITH 6"x6" INTERNATIONAL SYMBOL FOR HEARING LOSS.

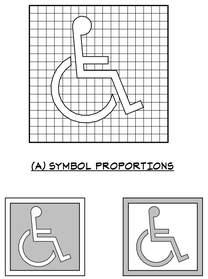
COLORS SHALL BE SELECTED BY THE ARCHITECT & SHALL CONTRAST W/ EA. OTHER & COLOR OF WALL ATTACHED TO.

COPY SHALL READ "FM ASSISTIVE LISTENING SYSTEM AVAILABLE PLEASE ASK "AND SHALL BE 5/8" HIGH SAN-SERIF LETTERS. PROVIDE STANDARD 3/32" RAISED BORDERS AND 1/2" RADIUS CORNERS.

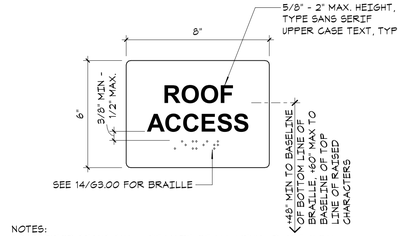
15 / G3.00 ASSISTIVE LISTENING SYSTEM
3" = 1'-0"



NOTE:
SEE CBC FIG. 11B-6 FOR PROPORTIONS.



11 / G3.00 INT'L. SYMBOL OF ACCESSIBILITY
3" = 1'-0"



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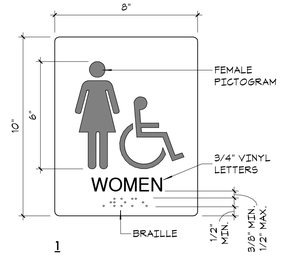
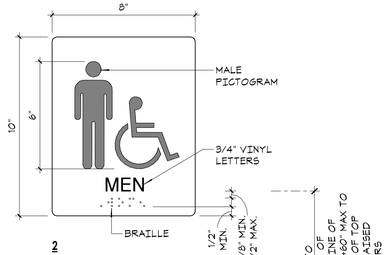
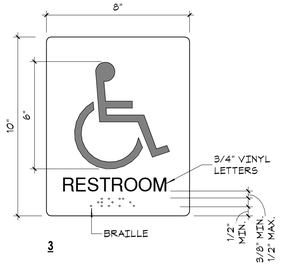
7. CLIENT TO SELECT SIGNAGE TYPE, U.O.N.

3 / G3.00 ROOF ACCESS SIGN
3" = 1'-0"







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20 / G3.00 RESTROOM WALL I.D.
3" = 1'-0"

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2/21/2023

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SIGNAGE DETAILS

PERMIT REVIEW SET

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DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

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DRAWN BY Author
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RECORD DWGS.

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CITY ENGINEER
STOCKTON, CALIFORNIA

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115 OF 158 SHTS
PROJECT NO. 5541.114C

DOORS & HARDWARE

1. ALL ENTRANCES AND EXTERIOR GROUND-FLOOR EXIT DOORS TO BUILDINGS AND FACILITIES SHALL BE MADE ACCESSIBLE TO PERSONS WITH DISABILITIES. DOORWAYS SHALL HAVE A MINIMUM CLEAR OPENING OF 32 INCHES WITH THE DOOR OPEN 90 DEGREES, MEASURED BETWEEN THE FACE OF THE DOOR AND THE OPPOSITE STOP (SECTIONS 1010.1.1, 11B-404.2 AND 11B-404.2.3).
2. HAND ACTIVATED DOOR OPENING HARDWARE SHALL BE CENTERED BETWEEN 34 INCHES AND 44 INCHES ABOVE THE FLOOR. LATCHING AND LOCKING DOORS THAT ARE HAND ACTIVATED AND WHICH ARE IN A PATH OF TRAVEL SHALL BE OPERABLE WITH A SINGLE EFFORT BY LEVER-TYPE HARDWARE, PANIC BARS, PUSH-PULL ACTIVATING BARS, OR OTHER HARDWARE DESIGNED TO PROVIDE PASSAGE WITHOUT REQUIRING THE ABILITY OT GRASP THE OPENING HARDWARE. LOCKED EXIT DOORS SHALL OPERATE AS ABOVE IN EGRESS DIRECTION (SECTIONS 1010.1.9 AND 11B-404.2.7).
3. PANIC HARDWARE: WHERE INSTALLED, SHALL COMPLY WITH THE REQUIREMENTS OF CBC 1010.1.10.1. THE ACTIVATING MEMBER SHALL BE MOUNTED AT A HEIGHT OF NOT LESS THAN 34 INCHES OR MORE THAN 44 INCHES ABOVE THE FLOOR. THE UNLATCHING FORCE SHALL NOT EXCEED 15 POUNDS WHEN APPLIED IN THE DIRECTION OF TRAVEL. (SECTION 1010.1.10, 1010.1.10.1 AND 11B-404.2.9). IF PANIC DEVICE OCCURS AT A DOOR WITH VISION PANEL, HARDWARE SHALL BE INSTALLED NO HIGHER THAN 39" A.F.F. U.O.N.
4. WIDTH AND HEIGHT: EVERY REQUIRED EXIT DOORWAY SHALL BE OF A SIZE AS TO PERMIT THE INSTALLATION OF A DOOR NOT LESS THAN 3 FEET IN WIDTH AND NOT LESS THAN 6 FEET, 8 INCHES IN HEIGHT WHEN INSTALLED IN EXIT DOORWAYS. EXIT DOORS SHALL BE CAPABLE OF OPENING AT LEAST 90 DEGREES AND SHALL BE SO MOUNTED THAT THE CLEAR WIDTH OF THE EXIT WAY IS NOT LESS THAN 32 INCHES (SECTIONS 1010.1.1 AND 11B-404.2.).
5. HINGED DOORS: THE OPENING WIDTH SHALL BE MEASURED WITH THE DOOR POSITIONED AT AN ANGLE OF 90 DEGREES FROM ITS CLOSED POSITION. WHERE A PAIR OF DOORS IS UTILIZED, AT LEAST ONE OF THE DOORS SHALL MEET THIS OPENING REQUEMENT. REVOLVING DOORS SHALL NOT BE USED AS A REQUIRED ENTRANCE FOR PERSONS WITH DISABILITIES (SECTIONS 11B-404.2.1, 11B-404.2.2 AND 11B-404.2.3).
6. THE MAXIMUM WIDTH OF A SWINGING DOOR LEAF SHALL NOT EXCEED 48 INCHES (SECTION 1010.1.1).
7. MAXIMUM EFFORT TO OPERATE DOORS SHALL NOT EXCEED 5 POUNDS FOR EXTERIOR DOORS AND 5 POUNDS FOR INTERIOR DOORS, SUCH PULL OR PUSH EFFORT BEING APPLIED AT RIGHT ANGLES TO HINGED DOORS AND AT THE CENTER PLANE OF SLIDING OR FOLDING DOORS. COMPENSATING DEVICES OR AUTOMATIC DOOR OPERATORS MAY BE UTILIZED TO MEET THE ABOVE STANDARDS. WHEN FIRE DOORS ARE REQUIRED, THE MAXIMUM EFFORT TO OPERATE THE DOOR MAY BE INCREASED NOT TO EXCEED 15 POUNDS (SECTIONS 1010.1.3, 1010.1.3.1 AND 11B-404.2.9).
8. DOOR AND GATE SURFACES: SWINGING DOOR AND GATE SURFACES WITHIN 10 INCHES OF THE FINISH FLOOR OR GROUND MEASURED VERTICALLY SHALL HAVE A SMOOTH SURFACES ON THE PUSH SIDE EXTENDING THE FULL WIDTH OF THE DOOR OR GATE. PARTS CREATING HORIZONTAL OR VERTICAL JOINTS IN THESE SURFACES SHALL BE WITHIN 1/16" INCH OF THE SAME PLANE AS THE OTHER AND BE FREE OF SHARP OR ABRASIVE EDGES. CAVITIES CREATED BY ADDED KICK PLATES SHALL BE CAPPED (SECTIONS 11B-404.2.10).
9. THRESHOLDS SHALL NOT EXCEED 1/2 INCHES IN HEIGHT, WITH A MAXIMUM 1/4-INCH VERTICAL AND CHANGES IN LEVEL BETWEEN 1/4 INCH AND 1/2 INCH SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1:2 (50% SLOPE) (SECTION 11B-404.2.5).
10. EXIT DOORS FROM GROUP 'A' OCCUPANCY SHALL NOT BE PROVIDED WITH A LATCH OR LOCK UNLESS IT IS PANIC HARDWARE (SECTION 1010.1.10).
11. RECESSED DOORMATS SHALL BE ADEQUATELY ANCHORED TO PREVENT INTERFERENCE WITH WHEELCHAIR TRAFFIC (SECTION 11B-302.1 AND 11B-302.2).
12. ALL GATES, INCLUDING TICKET GATES, SHALL MEET ALL APPLICABLE SPECIFICATIONS FOR DOORS (SECTION 11B-404.1 AND 11B-404.2).
13. DOOR CLOSING SPEED: DOOR AND GATE CLOSING SPEED SHALL COMPLY WITH SECTION 11B-404.2.8. DOOR CLOSERS AND GATE CLOSERS SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGRESS, THE TIME REQUIRED TO MOVE THE DOOR TO A POSITION OF 12 DEGREES FROM THE LATCH IS 5 SECONDS MINIMUM. DOOR AND GATE SPRING HINGES SHALL BE ADJUSTED SO THAT FROM THE OPEN POSITION OF 70 DEGREES, THE DOOR OR GATE SHALL MOVE TO THE CLOSED POSITION IN 1.5 SECONDS MINIMUM. (SECTIONS 11B-404.2.8.1 AND 11B-404.2.8.2).
14. THE ACCESSIBLE WATER CLOSET COMPARTMENT SHALL BE EQUIPPED WITH A DOOR THAT HAS AN AUTOMATIC-CLOSING DEVICE, AND SHALL HAVE A CLEAR, UNOBSTRUCTED OPENING WIDTH OF 34 INCHES.
15. THE INSIDE AND OUTSIDE OF THE COMPARTMENT DOOR SHALL BE EQUIPPED WITH A LOOP OR U-SHAPED HANDLE IMMEDIATELY BELOW THE LATCH. THE LATCH SHALL BE FLIP-OVER STYLE, SLIDING OR OTHER HARDWARE NOT REQUIRING THE USER TO GRASP OR TWIST.
16. EXCEPTION: IN GROUPS A, DIVISION 3, B, F, M, AND S OCCUPANCIES AND IN ALL CHURCHES, KEY-LOCKING HARDWARE MAY BE USED ON THE MAIN EXIT WHEN THE MAIN EXIT CONSISTS OF A SINGLE DOOR OR PAIR OF DOORS IF THERE IS A READILY VISIBLE, DURABLE SIGN ON OR ADJACENT TO THE DOOR STATING "THIS DOOR TO REMAIN UNLOCKED DURING BUSINESS HOURS". THE SIGN SHALL BE IN LETTERS NOT LESS THAN 1 INCH ON A CONTRASTING BACKGROUND. WHEN UNLOCKED, THE SINGLE DOOR OR BOTH LEAVES OF A PAIR OF DOORS MUST BE FREE TO SWING WITHOUT OPERATION OF ANY LATCHING DEVICE. THE USE OF THIS EXCEPTION MAY BE REVOKED BY THE BUILDING OFFICIAL [FOR HCD 1&2] ENFORCING AGENCY FOR DUE CAUSE.
17. EXIT DOORS SHALL BE FURNISHED & INSTALLED WITH HARDWARE ALLOWING DOOR TO BE OPENED FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT. PAIRS OF EXIT DOORS SHALL BE FURNISHED & INSTALLED WITH APPROVED AUTOMIAC FLUSH BOLTS ON ONE OF THE DOOR LEAVES AND NO SURFACE MOUNTED HARDWARE INSTALLED ON SAME LEAF. THE UNLATCHING OF BOTH DOOR LEAVES SHALL NOT REQUIRE MORE THAN ONE OPERATION.

RAMPS

1. ANY PATH OF TRAVEL SHALL BE CONSIDERED A RAMP IF ITS SLOPE IS GREATER THAN 1 FOOT OF VERTICAL RISE IN 20 FEET OF HORIZONTAL RUN (5% GRADIENT). THE LEAST POSSIBLE SLOPE SHALL BE USED FOR ANY RAMP (SECTION 11B-405.2).
2. WIDTH: PRIMARY ENTRANCE AND SPECIAL OCCUPANCY, PEDESTRIAN RAMPS SERVING PRIMARY ENTRANCES TO BUILDINGS HAVING AN OCCUPANT LOAD OF 300 OR MORE SHALL HAVE A MINIMUM CLEAR IN WIDTH OF 60 INCHES. RAMPS SERVING GROUP R OCCUPANCIES MAY BE 36 INCHES CLEAR WIDTH WHEN THE OCCUPANT LOAD IS 50 OR LESS. ALL OTHER PEDESTRIAN RAMPS SHALL HAVE A MINIMUM WIDTH OF 48 INCHES (SECTION 11B-405.5).
3. SLOPE: THE MAXIMUM SLOPE OF A RAMP THAT SERVES ANY EXIT WAY THAT PROVIDES ACCESS FOR PERSONS WITH PHYSICAL DISABILITIES OR IS IN THE PATH OF TRAVEL SHALL BE 1 FOOT OF VERTICAL RISE IN 12 FEET OF HORIZONTAL RUN (8.3% MAX. GRADIENT) (SECTION 11B-405.2). THE CROSS SLOPE OF RAMP SURFACES SHALL BE NO GREATER THAN 1 UNIT VERTICAL IN 48 UNITS HORIZONTAL (SECTION 11B-405.3).
4. A CURB, 2 INCHES HIGH MINIMUM, OR BARRIER SHALL BE PROVIDED THAT PREVENTS THE PASSAGE OF A 4 INCH DIAMETER SPHERE, WHERE ANY PORTION OF THE SPHERE IS WITHIN 4 INCHES OF THE FINISH FLOOR OR GROUND SURFACE. TO PREVENT WHEEL ENTRAPMENT, THE CURB OR BARRIER SHALL PROVIDE A CONTINUOUS AND UNINTERRUPED BARRIER ALONG THE LENGTH OF THE RAMP.

WALKS AND SIDEWALKS

1. CONTINUOUS SURFACE: WALKS AND SIDEWALKS SUBJECT TO THESE REGULATIONS SHALL HAVE A CONTINUOUS COMMON SURFACE, NOT INTERRUPTED BY STEPS OR BY ABRUPT CHANGES IN LEVEL EXCEEDING 1/2 INCH AND SHALL BE A MINIMUM OF 48 INCHES IN WIDTH. LEVEL CHANGES GREATER THAT 1/4 INCH AND UP TO 1/2 INCH SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1:2 (PER SECTION 11B-303.2 AND 11B-303.3). SURFACES SHALL BE SLIP RESISTANT AS FOLLOWS: (SECTION 11B-302.1).

   SLOPES LESS THAN 6 PERCENT: SLIP-RESISTANT AS DESCRIBED FOR A MEDIUM SALTED FINISH.

   SLOPES 6 PERCENT OR GREATER: SHALL BE SLIP-RESISTANT.

   SURFACE CROSS SLOPES: SHALL NOT EXCEED 1:48
2. GRATINGS: WALKS, SIDEWALKS, AND PEDESTRIAN WAYS SHALL BE FREE OF GRATING WHENEVER POSSIBLE. FOR GRATINGS LOCATED IN THE SURFACE OF ANY OF THESE AREAS, GRID OPENINGS IN GRATINGS SHALL BE LIMITED TO 1/2" (13 MM) IN THE DIRECTION OF TRAFFIC FLOW (SECTION 11B-302.3).
3. CHANGES IN LEVEL: ABRUPT CHANGES IN LEVEL ALONG ANY ACCESSIBLE ROUTE SHALL NOT EXCEED 1/2 INCH. WHEN CHANGES IN LEVEL DO OCCUR, THEY SHALL BE BEVELED WITH A SLOPE NO GREATER THAT 1 UNIT VERTICAL IN 2 UNITS HORIZONTAL. EXCEPT THAT LEVEL CHANGES NOT EXCEEDING 1/4 INCH MAY BE VERTICAL. WHEN CHANGES IN LEVELS GREATER THAN 1/2 INCH ARE NECESSARY THEY SHALL COMPLY WITH THE REQUIREMENTS FOR CURB RAMPS (SECTION 11B-303.4).
4. WARNING CURBS: ABRUPT CHANGES IN LEVEL, EXCEPT BETWEEN A WALK OR SIDEWALK AND AN ADJACENT STREET OR DRIVEWAY, EXCEEDING 4 INCHES IN A VERTICAL DIMENSION, SUCH AS AT PLANTERS OR FOUNDATIONS LOCATED IN OR ADJACENT TO WAKS, SIDEWALKS OR OTHER PEDESTRIAN WAYS, SHALL BE INDENTIFIED BY CURBS PROJECTING AT LEAST 6 INCHES IN HEIGHT ABOVE THE WALK OR SIDEWALK SURFACE TO WARN THE BLIND OF A POTENTIAL DROP OFF. WHEN A GUARDRAIL OR HANDRAIL IS PROVIDED, NO CURB IS REQUIRED WHEN A GUIDE RAIL IS PROVIDED CENTERED 2 INCHES MINIMUM AND 4 INCHES MAXIMUM ABOVE THE SURFACE OF THE WALK OR SIDEWALK. (SECTION 11B-303.5).
5. PROVIDE A LEVEL AREA NOT LESS THAN REQUIRED (TABLE AND FIGURE 11B-404.2.4.1).
6. WALKS WITH CONTINUOUS GRADIENTS SHALL HAVE LEVEL AREAS AT LEAST 5 FEET IN LENGTH AT INTERVALS OF 400 FEET MAXIMUM (SECTION 11B-403.7).
7. A 36 INCH WIDE DETECTABLE WARNING MATERIAL SHALL BE PROVIDED AT BOUNDARIES BETWEEN WALKWAYS AND VEHICULAR WAYS. MATERIAL SHALL COMPLY WITH SECTION 11B-705.1.1

SANITARY FACILITIES IDENTIFICATION

1. DOORWAYS LEADING TO MEN'S SANITARY FACILITIES SHALL BE INDENTIFIED BY AN EQUILATERAL TRIANGLE 1/4 INCH THICK WITH EDGES 12 INCHES LONG AND A VERTEX POINTING UPWARD. WOMEN'S SANITARY FACILITIES SHALL BE IDENTIFIED BY A CIRCLE, 1/4 INCH THICK AND 12 INCHES IN DIAMETER. UNISEX SANITARY FACILITIES SHALL BE IDENTIFIED BY A CIRCLE 1/4 INCH THICK, 12 INCHES IN DIAMETER WITH A 1/4 INCH THICK TRIANGLE SUPERIMPOSED ON THE CIRCLE AND WITHIN THE 12 INCH DIAMETER. THESE GEOMETRIC SYMBOLS SHALL BE CENTERED ON THE DOOR AT A HEIGHT OF 60 INCHES AND THEIR COLOR AND CONTRAST SHALL BE DISTINCTLY DIFFERENT FROM THE COLOR AND CONTRAST OF THE DOOR.
2. SEE ACCESSIBLITY SIGNAGE CRITERIA FOR ADDITIONAL REQUIREMENTS.

BATHING AND TOILET FACILITIES

1. PASSAGEWAYS LEADING TO SANITARY FACILITIES SHALL HAVE A CLEAR ACCESS AS SPECIFIED IN SECTION 11B-402. ALL DOORWAYS LEADING TO SUCH SANITARY FACILITIES SHALL HAVE:

   AN UNOBSTRUCTED CLEAR OPENING WIDTH OF 32 INCHES (813 MM).

   A LEVEL AND CLEAR AREA NOT LESS THAN REQUIRED (TABLE AND FIGURE 11B-404.2.4.1)
2. BATHING FACILITIES (NOT APPLICABLE).
3. TOILET FACILITIES (SECTION 11B-603).

   MULTIPLE-ACCOMMODATION TOILET FACILITITIES SHALL HAVE THE FOLLOWING:

   CLEAR SPACE: A WATER CLOSET FIXTURE LOCATED IN A COMPARTMENT SHALL PROVIDE A MINIMUM 17 INCHES AND 18 INCHES MAXIMUM FROM THE CENTERLINE OF THE WATER CLOSET TO THE WALL, EXCEPT THAT THE WATER CLOSET SHALL BE A MINIMUM 17 INCHES AND 19 INCHES MAXIMUM FROM THE CENTERLINE OF WATER CLOSET TO THE WALL IN AMBULATORY ACCESSIBLE TOILET COMPARTMENTS. A MINIMUM 48 INCHES LONG CLEAR SPACE SHALL BE PROVIDED IN FRONT OF THE WATER CLOSET IF THE COMPARTMENT HAS AN END-OPENING DOOR (FACING THE WATER CLOSET). A MINIMUM 60 INCH LONG CLEAR SPACE SHALL BE PROVIDED IN A COMPARTMENT WITH THE DOOR LOCATED AT THE SIDE AND OPENING OUT. GRAB BARS SHALL NOT PROJECT MORE THAN 3 INCHES IN THE CLEAR SPACES AS SPECIFIED ABOVE.

   COMPARTMENT DOORS: WATER CLOSET COMPARTMENT SHALL BE EQUIPPED WITHA DOOR THAT HAS AN AUTOMATIC-CLOSING DEVICE, AND SHALL HAVE A CLEAR, UNOBSTRUCTED OPENING WIDTH OF 32 INCHES WHEN LOCATED AT THE END AND 34 INCHES WHEN LOCATED AT THE SIDE WITH THE DOOR POSITIONED AT AN ANGLE OF 90 DEGREES FROM ITS CLOSED POSITION (SECTION 11B-604.8.1.2).

   THE INSIDE AND OUTSIDE OF THE COMPARTMENT DOOR SHALL BE EQUIPPED WITH A LOOP OR U-SHAPED HANDLE IMMEDIATELY BELOW THE LATCH, MOUNTING HEIGHT OF 34 INCHES TO 44 INCHES A.F.F. THE LATCH SHALL BE FLIP-OVER STYLE, SLIDING, OR OTHER HARDWARE NOT REQUIRING THE USER TO GRASP OR TWIST. EXCEPT FOR DOOR-OPENING WIDTHS AND DOOR SWINGS, A CLEAR, UNOBSTRUCTED ACCESS OF NOT LESS THAN 44 INCHES SHALL BE PROVIDED TO WATER CLOSET COMPARTMENTS DESIGNED FOR USE BY PERSONS WITH DISABILITIES AND THE SPACE IMMEDIATELY IN FRONT OF A WATER CLOSET COMPARTMENT SHALL NOT BE LESS THAN 48 INCHES (1219 MM) AS MEASURED AT RIGHT ANGLES TO COMPARTMENT DOOR IN ITS CLOSED POSITION.
4. GRAB BARS

   LOCATION: GRAB BARS LOCATED ON EACH SIDE, OR ONE SIDE AND THE BACK OF THE ACCESSIBLE TOILET STALL OR COMPARTMENT, SHALL BE SECURELY ATTACHED 33 INCHES MINIMUM AND 36 INCHES MAXIMUM TO TOP OF GRIPPING SURFACE ABOVE AND PARALLEL TO THE FLOOR. SIDE GRAB BARS SHALL BE 42 INCHES MINIMUM LOCATED 12 INCHES MAXIMUM FROM REAR WALL, EXTENDING 54 INCHES MINIMUM FROM THE REAR WALL WITH THE FRONT END POSITIONED 24 INCHES IN FRONT OF THE WATER CLOSET STOOL. REAR GRAB BARS SHALL BE 36 INCHES LONG MINIMUM AND EXTEND FROM THE CENTERLINE OF WATER CLOSET 12 INCHES MINIMUM ON ONE SIDE AND 24 INCHES MINIMUM ON THE OTHER SIDE(SECTIONS 11B 609.4., 11B-604.5.1 AND 11B-604.5.2).

   DIAMETER OR WIDTH: THE DIAMETER OR WIDTH OF THE GRIPPING SURFACES OF A GRAB BAR SHALL BE 1-1/4 INCHES TO 2 INCHES (32 MM TO 38 MM) OR THE SHAPE SHALL PROVIDE AN EQUIVALENT GRIPPING SURFACE. IF GRAB BARS ARE MOUNTED ADJACENT TO A WALL, THE SPACE BETWEEN THAT WALL AND GRAB BARS SHALL BE 1-1/2 INCHES (38 MM). SEE FIGURE 11B-609.2.2 (11B-609.2).

   STRUCTURAL STRENGTH: THE STRUCTURAL STRENGTH OF GRAB BARS, TUB AND SHOWER SEATS, FASTENERS, AND MOUNTING DEVICES SHALL MEET THE REQUREMENTS IN SECTIONS 11B-609.8. GRAB BARS SHALL NOT ROTATE WITHIN THEIR FITTINGS. (SECTION 11B-609.6)

   SURFACE: A GRAB BAR AND ANY WALL OR OTHER SURFACE ADJACENT TO IT SHALL BE FREE OF ANY SHARP OR ABRASIVE ELEMENTS. EDGES SHALL HAVE A MINIMUM RADIUS OF 1/8 INCH (3.2 MM). (SECTION 11B-609.5)
5. TOILET ROOM FIXTURES AND ACCESSORIES

   LAVATORY FIXTURES: A CLEAR FLOOR SPACE 30 INCHES BY 48 INCHES SHALL BE PROVIDED IN FRONT OF A LAVATORY TO ALLOW A FORWARD APPROACH. SUCH CLEAR FLOOR SPACE SHALL ADJOIN OR OVERLAP AN ACCESSIBLE ROUTE AND SHALL EXTEND A MAXIMUM OF 19 INCHES INTO KNEE AND TOE SPACE UNDERNEATH THE LAVATORY. (SECTIONS 11B-305.3 AND 11B-306.2.2, EXCEPTION)

   MIRRORS SHALL BE MOUNTED WITH THE BOTTOM EDGE OF THE REFLECTIVE SURFACE NO HIGHER THAN 40 INCHES FROM THE FLOOR. MIRRORS NOT LOCATED ABOVE LAVATORIES OR COUNTERTOPS SHALL BE MOUNTED WITH THE BOTTOM EDGE OF THE REFLECTIVE SURFACE NO HIGHER THAN 35 INCHES FROM THE FLOOR (SECTION 11B-603.3).

   WHERE TOWEL, SANITARY NAPKINS,, WASTE RECEPTACLE, AND OTHER SIMILAR DISPENSING AND DISPOSAL FIXTURES ARE PROVIDED, AT LEAST ONE OF EACH TYPE SHALL BE LOCATED WITH ALL OPERABLE PARTS, INCLUDING COIN SLOTS, WITHIN 40 INCHES FROM THE FINISHED FLOOR (SECTION 11B-603.5).

   TOILET TISSUE DISPENSERS SHALL BE LOCATED ON THE WALL WITHIN 7-9 INCHES OF THE FRONT EDGE OF THE TOILET SEAT, MOUNTED BELOW THE GRAB BAR, AT A MINIMUM HEIGHT OF 19 INCHES. DISPENSERS THAT CONTROL DELIVERY OR THAT DO NOT PERMIT CONTINUOUS PAPER FLOW SHALL NOT BE USED. LIMIT THE PROJECTION OF A SURFACE OR SEMI-RECESSED MOUNTED DISPENSER FROM ENCROACHING MORE THAN 3 INCHES FROM THE FACE OF THE WALL OR PARTITION, AND NO CLOSER THAN 1-1/2 INCHES TO THE TANGENT POINT OF THE GRAB BAR (SECTION 11B-604.7).

   WHERE URINALS ARE PROVIDED, AT LEAST ONE SHALL HAVE A CLEAR FLOOR SPACE 30 INCHES BY 48 INCHES IN FRONT OF THE URINAL TO ALLOW FORWARD APPROACH (SECTION 11B-605.3).

DRINKING FOUNTAINS

1. THE FLOW OF WATER SHALL BE ACTIVATED BY A MANUALLY OPERATED SYSTEM THAT IS FRONT MOUNTED OR SIDE MOUNTED AND LOCATED WITHIN 6 INCHES OF THE FRONT EDGE OF THE FOUNTAIN OR AN AUTOMATIC ELECTRICALLY CONTROLLED DEVICE. CBC 11B-602.3
2. THE SPOUT SHALL BE LOCATED 15 INCHES MINIMUM FROM THE VERTICAL SUPPORT AND 5 INCHES MAXIMUM FROM THE FRONT EDGE OF THE UNIT, INCLUDING BUMPERS PER CBC 11B-602.5
3. THE SPOUT SHALL PROVIDE A FLOW OF WATER 4 INCHES HIGH MINIMUM AND SHALL BE LOCATED 5 INCHES MAXIMUM FROM THE FRONT OF THE UNIT. THE ANGLE OF THE WATER STREAM SHALL BE MEASURED HORIZONTALLY RELATIVE TO THE FRONT FACE OF THE UNIT PER CBC 11B-602.6
4. WHERE THE SPOUTS ARE LOCATED LESS THAN 3 INCHES OF THE FRONT OF THE UNIT THE ANGLE OF THE WATER STREAM SHALL BE 30 DEGREES MAXIMUM PER CBC 11B-602.6
5. WHERE THE SPOUTS ARE LOCATED BETWEEN 3 INCHES AND 5 INCHES MAXIMUM FROM THE FRONT OF THE UNIT, THAN ANGLE OF THE WATER STREAM SHALL BE 15 DEGREES MAXIMUM PER CBC 11B-602.6
6 THE SPOUT OUTLETS OF DRINKING FOUNTAINS FOR STANDING PERSONS SHALL BE 38 INCHES MINIMUM AND 43 INCHES MAXIMUM ABOVE THE FINISHED FLOOR OR GROUND PER CBC 11B-602.7
7 WALL AND POST MOUNTED CANTILEVERED DRINKING FOUNTAINS SHALL BE 18 INCHES MINIMUM AND 19 INCHES MAXIMUM IN DEPTH PER CBC 11B-602.8
8 THE PROTECTED AREA WITHIN WHICH A DRINKING FOUNTAIN IS LOCATED SHALL BE 32" WIDE MINIMUM AND 18 INCHES DEEP MINIMUM AND SHALL COMPLY WITH CBC 11B-305.7

LOCKERS

1. AT LEAST ONE LOCKER AND NOT LESS THAN 5% OF ALL LOCKERS SHALL BE MADE ACCESSIBLE TO PERSONS WITH DISABILITIES. (SECTION 11B-225.2.1)
2. A CLEAR FLOOR SPACE OF AT LEAST 30 INCHES BY 48 INCHES THAT ALLOWS EITHER A FORWARD OR PARALLEL APPROACH BY A PERSON USING A WHEELCHAIR SHALL BE PROVIDED. (SECTION 11B-305)
3. HEIGHT: FOR FORWARD APPROACH, THE MAXIMUM HIGH FORWARD REACH SHALL BE 48 INCHES AND THE MINIMUM LOW FORWARD REACH IS 15 INCHES.. FOR PARALLEL APPROACH, THE MAXIMUM HIGH SIDE REACH SHALL BE 48 INCHES AND THE LOW SIDE REACH SHALL BE MINIMUM 15 INCHES ABOVE THE FLOOR. (SECTION 11B-308)
4. HARDWARE: LATCH & LOCKING HARDWARE SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 POUNDS OF FORCE. (SECTION 11B-309.4)

ACCESSIBILITY SIGNAGE

1. INTERNATIONAL SYMBOL OF ACCESSIBILITY: THE FOLLOWING ELEMENTS AND SPACES OF ACCESSIBLE FACILITIES SHALL BE IDENTIFIED BY THE INTERNATIONAL SYMBOL OF ACCESSIBILITY:

   ACCESSIBLE PARKING SPACES.

   ACCESSIBLE AREA OF REFUGE.

   ACCESSIBLE PASSENGER LOADING ZONES.

   ACCESSIBLE TOILET AND BATHING FACILITIES.

   ALL MAIN ENTRY DOORS.
2. OTHER SIGNS: INACCESSIBLE BUILDING ENTRANCES, INACCESSIBLE PUBLIC TOILETS AND BATHING FACILITIES, AND ELEVATORS NOT ON AN ACCESSIBLE ROUTE SHALL BE PROVIDED WITH DIRECTIONAL SIGNAGE INDICATING THE ROUTE TO THE NEARST SIMILAR ACCESSIBLE ELEMENT (SECTIONS 11B-216.3, 11B-216.6 AND 11B-216.9.2))

   AT EXITS SERVING A REQUIRED ACCESSIBLE SPACE, BUT NOT PROVIDING AN APPROVED ACCESSIBLE MEANS OF EGRESS, SIGNS SHALL BE INSTALLED INDICATING THE LOCATION OF ACCESSIBLE MEANS OF EGRESS. (SECTION 11B-216.4.3)
3. DESIGN: THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL BE THE STANDARD USED TO INDENTIFY FACILITIES THAT ARE ACCESSIBLE TO AND USABLE BY PHYSICALLY DISABLED PERSONS AS SET FORTH IN THESE BUILDING STANDARDS AND AS SPECIFICALLY REQURED IN THESE NOTES (SECTION 11B-703.7.2.1).
4. COLOR OF SYMBOL: THE SYMBOL SPECIFIED ABOVE SHALL CONSIST OF A WHITE FIGURE ON A BLUE BACKGROUND. THE BLUE SHALL BE EQUAL TO COLOR NO. 15090 IN FEDERAL STANDARD 595B. (SECTION 11B-703.7.2.1)

   EXCEPTION: THE APPROPRIATE ENORCEMENT AGENCY MAY APPROVE SPECIAL SIGNS AND IDENTIFICATION NECESSARY TO COMPLEMENT DECOR OR UNIQUE DESIGN WHEN IT IS DETERMINED THAT SUCH SIGNS AND IDENTIFICATION PROVIDE ADEQUATE DIRECTION TO PERSONS WITH DISABILITIES.(SECTION 11B-703.7.2.1, EXCEPTION)
5. CONTRAST AND FINISH: CHARACTER AND SYMBOLS SHALL CONTRAST WITH THEIR BACKGROUND OR DARK CHARACTERS ON A LIGHT BACKGROUND. THE (FINISH OF) CHARACTERS AND BACKGROUND OF SIGNS SHALL BE EGGSHELL, MATTE, OR OTHER NON-GLARE FINISH (SECTION 11B-703.5.1 AND 11B-703.7.1).
6. PROPORTIONS: CHARACTERS SHALL BE SELECTED FROM FONTS WHERE THE WIDTH OF THE UPPERCASE LETTER "O" IS 60 PERCENT MINIMUM AND 110 PERCENT MAXIMUM OF THE HEIGHT OF THE UPPERCASE LETTER "I" (SECTION 11B-703.5.4).
7. CHARACTER HEIGHT: MINIMUM CHARACTER HEIGHT SHALL COMPLY WITH TABLE 11B-703.5.5. VIEWING DISTANCE SHALL BE MEASURED AS THE HORIZONTAL DISTANCE BETWEEN THE CHARACTER AND AN OBSTRUCTION PREVENTING FURTHER APPROACH TOWARDS THE SIGN. CHARACTER HEIGHT SHALL BE BASED ON THE UPPERCASE LETTER "I" (SECTION 11B-703.5.5).
8. WHERE PERMANENT IDENTIFICATION IS PROVIDED FOR ROOMS AND SPACES, RAISED LETTERS SHALL ALSO BE PROVIDED AND SHALL BE ACCOMPANIED BY BRAILLE (SECTION 11B-703.2).
9. RAISED CHARACTERS AND PICTORIAL SYMBOL SIGNS: WHEN RAISED CHARACTERS OR SYMBOLS ARE USED, THEY SHALL CONFORM TO THE FOLLOWING REQUIREMENTS (11B-703.2 AND 11B-703.4).

   CHARACTER TYPE: LETTERS AND NUMBERS ON SIGNS SHALL BE RAISED 1/32 INCH MINIMUM AND SHALL BE SANS-SERIF UPPERCASE CHARACTERS ACCOMPANIED BY GRADE 2 BRAILLE. (SECTION 11B-703.2.1, 11B-703.2.3 AND 11B-703.3)

   CHARACTER SIZE: RAISED CHARACTERS OR SYMBOLS SHALL BE A MINIMUM OF 5/8 INCH HIGH TO A MAXIMUM HEIGHT OF 2 INCHES. (SECTION 11B-703.2.5)

   PICTORIAL SYMBOL SIGNS (PICTOGRAMS NONGEOMETRIC): PICTORIAL SYMBOL SIGNS (PICTOGRAMS) SHALL BE ACCOMPANIED BY THE EQUIVALENT VERBAL DESCRIPTION PLACED DIRECTLY BELOW THE PICTOGRAM. THE BORDER DIMENSION OF THE PICTOGRAM SHALL BE A MINIMUM OF 6 INCHES IN HEIGHT. (SECTION 11B-703.6.1)

   CHARACTER PLACEMENT: CHARACTERS AND BRAILLE SHALL BE IN A HORIZONTAL FORMAT. BRAILLE SHALL BE PLACED A MINIMUM OF 3/8 INCH AND A MAXIMUM OF 1/2 INCH DIRECTLY BELOW THE TACTILE CHARACTERS (FLUSH LEFT OR CENTERED). WHEN TACTILE TEXT IS MULTILINED, ALL BRAILLE SHALL BE PLACED TOGETHER BELOW ALL LINES OF TACTILE TEXT. (SECTION 11B-703.3.2)
10. BRAILLE: CONTRACTED (GRADE 2) BRAILLE SHALL BE USED WHEREVER BRAILLE IS REQUIRED IN OTHER PORTIONS OF THESE STANDARDS. DOTS SHALL BE 1/10 INCH ON CENTER IN EACH CELL WITH 2/10 INCH SPACE BETWEEN CELLS DOTS SHALL BE RAISED A MINIMUM OF 1/40 INCH ABOVE THE BACKGROUND. BRAIL DOTS SHALL BE DOMED OR ROUNDED (TABLE 11B-703.3.1).
11. MOUNTING LOCATION AND HEIGHT: WHERE PERMANENT IDENTIFICATION SIGNS ARE PROVIDED FOR ROOMS AND SPACES, SIGNS SHALL BE INSTALLED ON THE WALL ADJACENT TO THE LATCH SIDE OF THE DOOR ON THE APPROACH SIDE OF THE DOOR AS ONE ENTERS THE ROOM OR SPACE. WHERE THERE IS NO WALL SPACE ON THE LATCH SIDE, INCLUDING AT DOUBLE LEAF DOORS, SIGNS SHALL BE PLACED ON THE NEAREST ADJACENT WALL, PREFERABLY ON THE RIGHT. SIGNS CONTAINING TACTILE CHARACTERS SHALL BE LOCATED SO THAT A CLEAR FLOOR SPACE OF 18 INCHES MINIMUM BY 18 INCHES MINIMUM, CENTERED ON THE TACTILE CHARACTERS, IS PROVIDED BEYOND THE ARC OF ANY DOOR SWING BETWEEN THE CLOSED POSITION AND 45 DEGREE OPEN POSITION. TACTILE CHARACTERS ON SIGNS SHALL BE LOCATED 48 INCHES MINIMUM ABOVE THE FINISH FLOOR OR GROUND SURFACE, MEASURED FROM THE BASELINE OF THE LOWEST BRAILLE CELLS AND 60 INCHES MAXIMUM ABOVE FINISH FLOOR OR GROUND SURFACE, MEASURED FROM THE BASELINE OF THE HIGHEST LINE OF RAISED CHARACTERS. (SECTION 11B-703.4.1 AND 11B-703.4.2).
12. ENTRANCE SIGNS: ALL BUILDING ENTRANCES THAT ARE ACCESSIBLE TO AND USABLE BY PERSONS WITH DISABILITIES SHALL BE INDENTIFIED WITH AT LEAST ONE INTERNATIONAL SYMBOL OF ACCESSIBILITY SIGN AND WITH ADDITIONAL DIRECTIONAL SIGNS (UTILIZING THE SYMBOL), AS REQUIRED AT JUNCTIONS WHERE THE ACCESSIBLE ROUTE OF TRAVEL DIVERGES FROM THE REGULAR CIRCULATION PATH, TO BE VISIBLE TO PERSONS ALONG APPROACHING CIRCULATION PATHS. (SECTION 11B-216.6)

ASSISTIVE LISTENING SYSTEMS

1. AN ASSISTIVE LISTENING SYSTEM SHALL BE PROVIDED IN ASSEMBLY AREAS, INCLUDING CONFERENCE AND MEETING ROOMS.

2. THE MINIMUM NUMBER OF RECEIVERS TO BE PROVIDED SHALL BE EQUAL TO 4% OF THE TOTAL NUMBER OF SEATS, BUT IN NO CASE LESS THAN TWO.

3. IF THE ASSISTIVE-LISTENING SYSTEM PROVIDED IS LIMITED TO SPECIFIC AREAS OR SEATS, THEN SUCH AREAS OR SEATS SHALL BE WITHIN A 50-FOOT VIEWING DISTANCE OF THE STAGE OR PLAYING AREA AND SHALL HAVE A COMPLETE VIEW OF STAGE OF PLAYING AREA.

4. PERMANENTLY INSTALLED ASSISTIVE-LISTENING SYSTEMS ARE REQUIRED IN AREAS IF (1) THEY ACCOMODATE AT LEAST 50 PERSONS OR IF THEY HAVE AUDIO- AMPLIFICATION SYSTEMS, AND (2) THEY HAVE FIXED SEATING.IF PORTABLE ASSISTIVE-LISTENING SYSTEMS ARE USED FOR CONFERENCE OR MEETING ROOMS, THE SYSTEM MAY SERVE MORE THAN ONE ROOM. AN ADEQUATE NUMBER OF ELECTRICAL OUTLETS OR OTHER SUPPLEMENTARY WIRING NECESSARY TO SUPPORT A PORTABLE ASSISITIVE-LISTENING SYSTEM SHALL BE PROVIDED.

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2/21/2023 CALA PROJECT NO. 21013

MCKINLEY PARK AND POOL RENOVATION

ACCESSIBILITY STANDARDS

PERMIT REVIEW SET

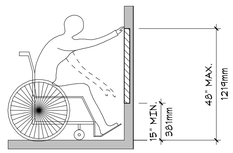
LICENSED ARCHITECT ERIC WILLIAM WOHLE C28388 September 2023 STATE OF CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By
1	PLAN CHECK	11/14/22	EB	EW
3	PLAN CHECK	2/21/23	EB	EW
4	CITY REVISIONS	4/13/23	EB	EW

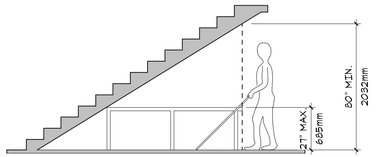
DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE		APPROVED BY: 7/24/23 DATE	SHEET NO.
DESIGNED BY	EB		G4.00
DRAWN BY	EB		116 OF 158 SHTS
CHECKED BY	EW, EB	CITY ENGINEER	
RECORD DWGS.		STOCKTON, CALIFORNIA	PROJECT NO.

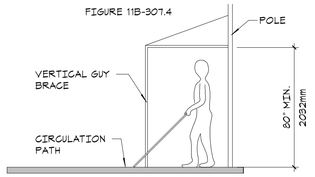
5541.115C



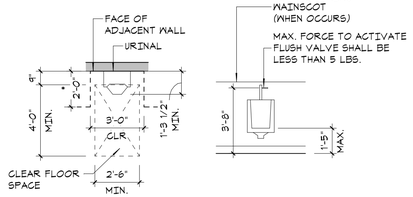
UNOBSTRUCTED FORWARD REACH
FIGURE 11B-308.2.1



VERTICALCLEARANCE
FIGURE 11B-307.4



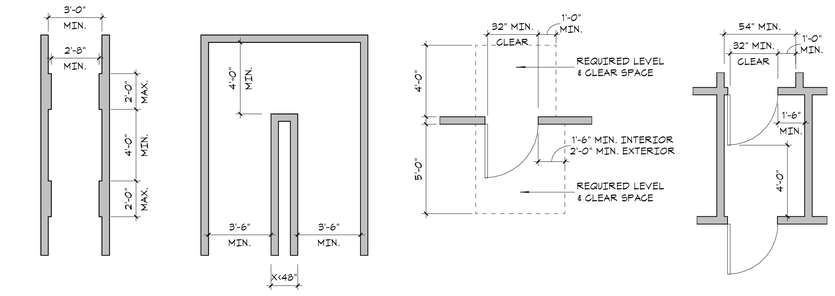
GUY BRACES
FIGURE 11B-307.4.1



PLAN ELEVATION

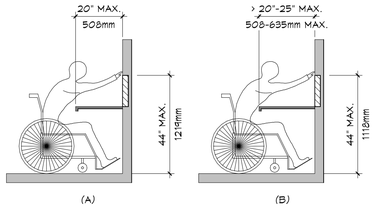
* WHEN URINAL OCCURS WITHIN AN ALCOVE DEEPER THAN 24" DEEP PROVIDE 3'-0" CLEAR, AS SHOWN.

9 64.01 URINAL
1/4" = 1'-0"

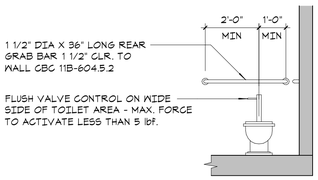


CLEAR WIDTH OF AN ACCESSIBLE ROUTE | CLEAR WIDTH AT TURN | ENTRANCE - FRONT APPROACH | VESTIBULE

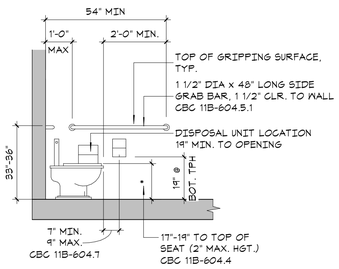
5 64.01 WHEEL CHAIR ACCESS
1/4" = 1'-0"



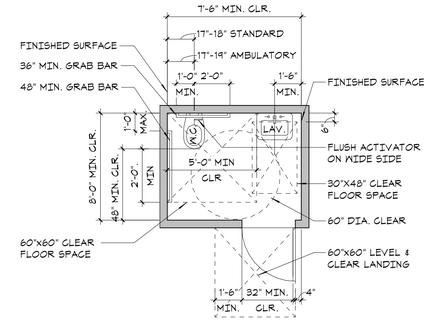
OBSTRUCTED HIGH FORWARD REACH
FIGURE 11B-308.2.2

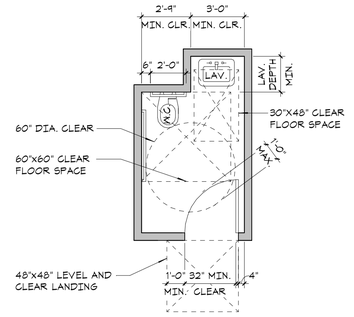


FRONT ELEVATION

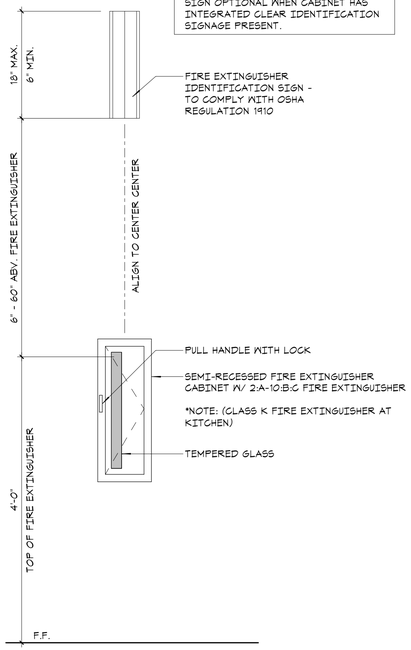


SIDE ELEVATION



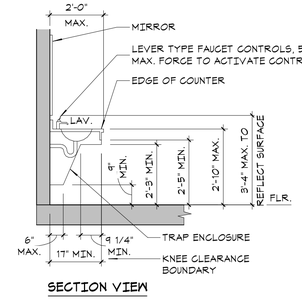


18 64.01 REACH
3/8" = 1'-0"

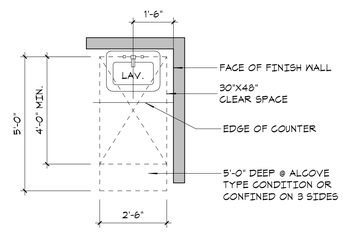


20 64.01 FIRE EXTINGUISHER CABINET
1" = 1'-0"

14 64.01 WATER CLOSET
3/8" = 1'-0"



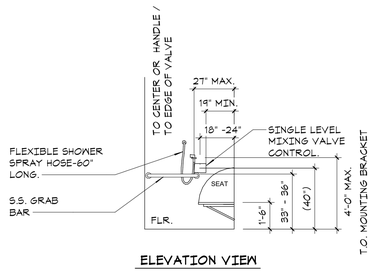
SECTION VIEW



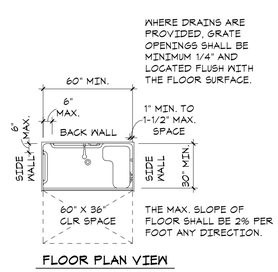
PLAN VIEW

NOTE:
ALL PIPING UNDERNEATH LAVATORIES SHALL BE INSULATED OR COVERED

15 64.01 LAV COUNTER
3/8" = 1'-0"



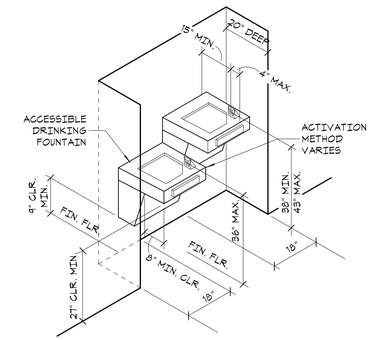
ELEVATION VIEW



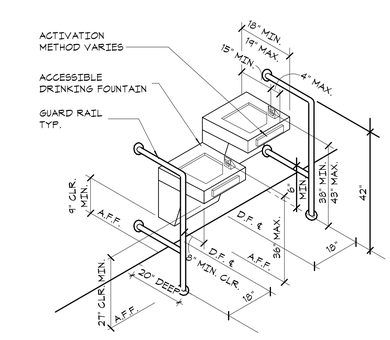
FLOOR PLAN VIEW

16 64.01 ACCESSIBLE SHOWER
1/4" = 1'-0"

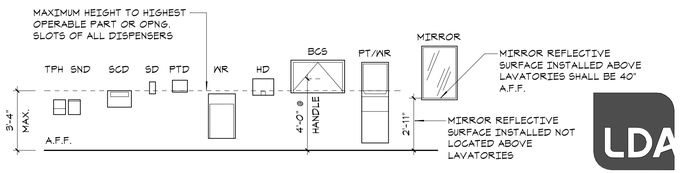
6 64.01 MINIMUMS @ SINGLE TOILET COMPARTMENT
1/4" = 1'-0"



7 64.01 DRINKING FOUNTAIN IN ALCOVE
1/4" = 1'-0"



3 64.01 DRINKING FOUNTAIN
1/4" = 1'-0"



8 64.01 ELEVATION OF TOILET ACCESSORIES
1/4" = 1'-0"

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2/21/2023 CALA PROJECT NO. 21013

MCKINLEY PARK AND POOL RENOVATION

ACCESSIBILITY DETAILS

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

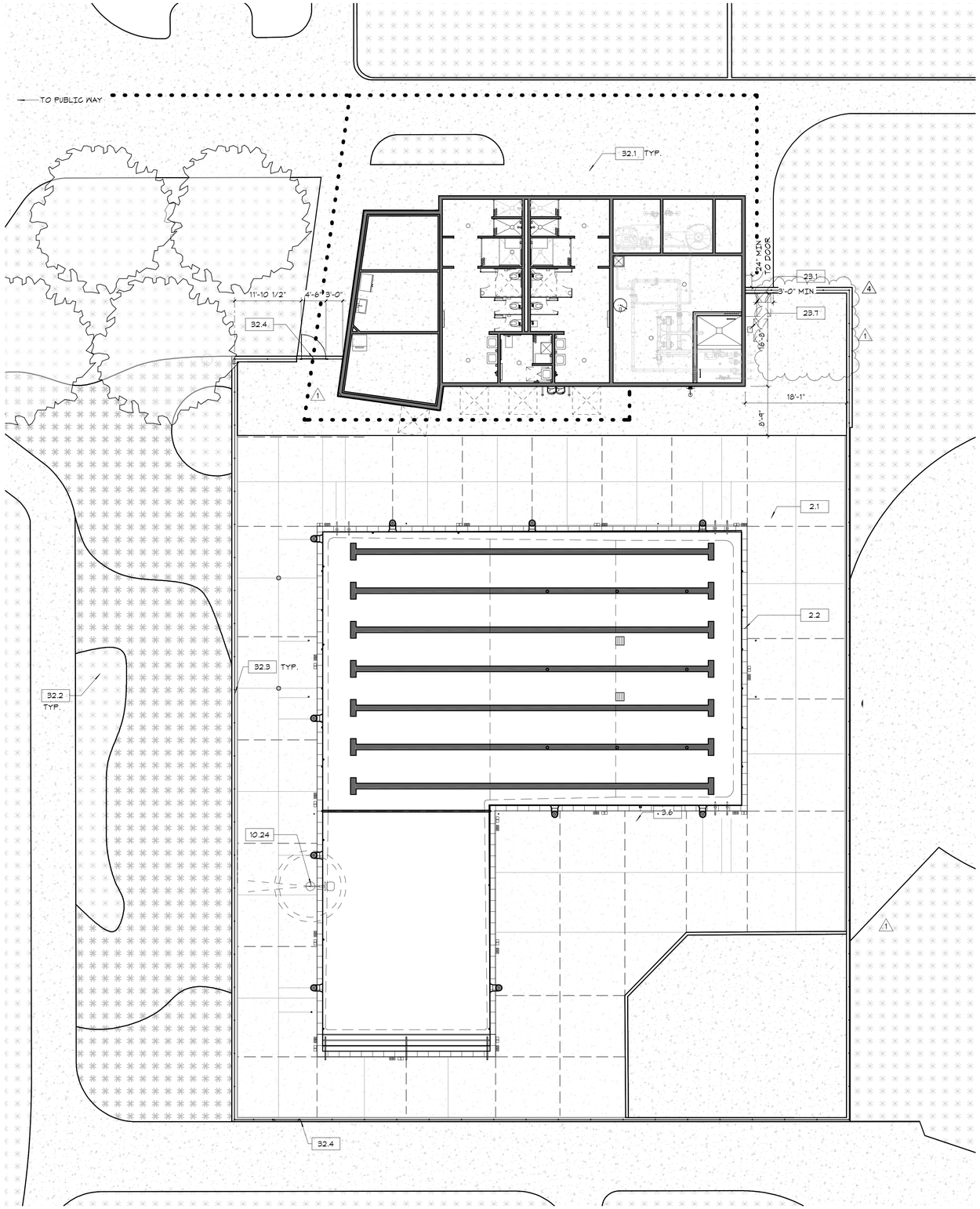
PERMIT REVIEW SET

LICENSED ARCHITECT ERIC WILLIAM MONK C28388 September 2023 STATE OF CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By
1	PLAN CHECK	11/14/22	EB	EW
3	PLAN CHECK	2/21/23	EB	EW
4	CITY REVISIONS	4/13/23	EB	EW

SCALE	As indicated	APPROVED BY: 7/24/23	SHEET NO.
DESIGNED BY	Designer	DATE	G4.01
DRAWN BY	Author		117 OF 158 SHTS
CHECKED BY	Checker	CITY ENGINEER	
RECORD DWGS.		STOCKTON, CALIFORNIA	PROJECT NO.

5541.116C



1 A1.01 ENLARGED SITE PLAN
1" = 10'-0"

LEGEND

- ACCESSIBLE PATH OF TRAVEL. FOR ADDITIONAL INFO. REFER TO ACCESSIBILITY STANDARDS SHEET G4.00
- LANDSCAPE/ TURF
- CONCRETE WALK/ FLAT WORK
- TREE

KEYNOTES

2.1	EXISTING CONCRETE POOL DECK - TO REMAIN
2.2	EXISTING POOL AND PERIMETER TILES - TO REMAIN
3.6	PROPOSED CONCRETE POOL DECK
10.24	ACCESSIBLE POOL CHAIR LIFT - REF. TO AQUATIC DRAWINGS
23.1	HVAC CONDENSING UNIT - S.M.D.
23.7	NEW GAS METER LOCATION - S.M.D.
32.1	SITE PAVING- S.C.D.
32.2	PLANTING MATERIAL - S.L.D.
32.3	8'-0" ANTI CLIMB MESH POOL AREA FENCE - S.L.D.
32.4	8'-0" ANTI CLIMB MESH POOL AREA FENCE GATE - S.L.D.

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2/21/2023 CALA PROJECT NO. 21013

MCKINLEY PARK AND POOL RENOVATION

ENLARGED SITE PLAN

PERMIT REVIEW SET

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

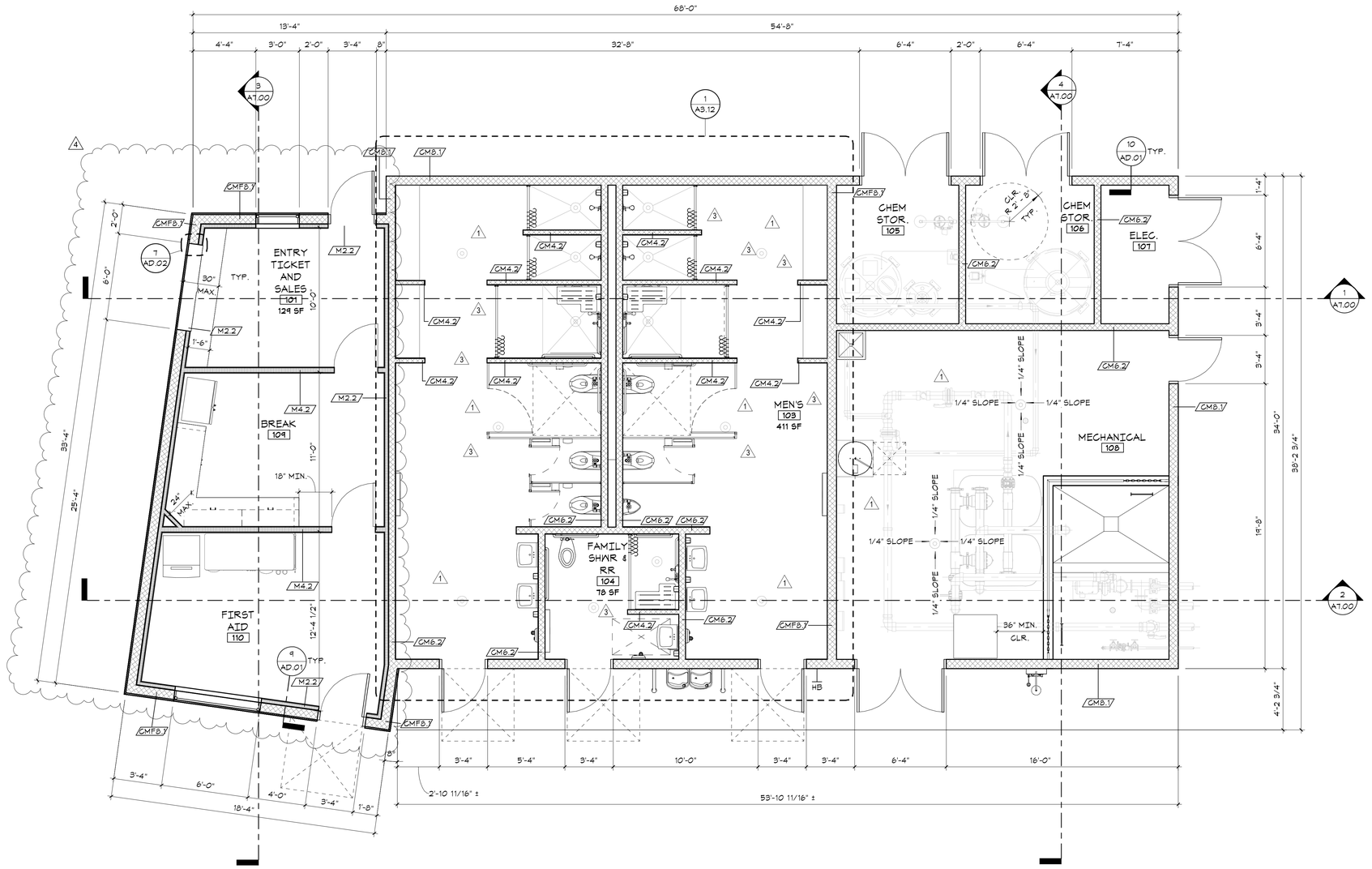
LICENSED ARCHITECT ERIC WILLIAM WONG C28388 September 2023 STATE OF CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By
1	PLAN CHECK	11/14/22	EB	EW
3	PLAN CHECK	2/21/23	EB	EW
4	CITY REVISIONS	4/13/23	EB	EW

SCALE	1" = 10'-0"
DESIGNED BY	EB
DRAWN BY	EB
CHECKED BY	EW, EB
RECORD DWGS.	

APPROVED BY: 7/24/23 DATE
CITY ENGINEER
STOCKTON, CALIFORNIA

SHEET NO. A1.01
118 OF 158 SHTS
PROJECT NO. 5541.117C



WALL LEGEND

- CM4.2 — 4x8x16 CMU WALL - 6" ABV. GLNG — SEE DETAIL AD.01
- CM6.2 — 6x8x16 CMU WALL - 6" ABV. GLNG — SEE DETAIL AD.01
- CM8.1 — 8x8x16 CMU WALL FULL HEIGHT — SEE DETAIL AD.01
- CMF8.1 — 8x8x16 CMU WALL FULL HT. W/ 7/8" RES. CHANNEL AND 5/16" FIBER CEMENT FINISH — SEE DETAIL AD.01
- M2.2 — 1/2" CONT. RIGID INSULATION - 2 1/2" METAL STUD FRAME - R-13 LOOSE BATT INSULATION - FINISH 5/8" GYPSUM (1) SIDE - 6" ABV. GLNG — SEE DETAIL AD.01
- 4 — M4.2 — 3 5/8" METAL STUD FRAME - R-19 LOOSE BATT INSULATION - FINISH 5/8" GYPSUM (1) EA. SIDE - 6" ABV. GLNG — SEE DETAIL AD.01

GENERAL - NOTES

1. UNLESS OTHERWISE NOTED OR INDICATED, ALL DIMENSIONS SHOWN ARE TO FACE OF FRAMING, CONC. SLAB AND/OR CMU.
2. CONTRACTOR SHALL WORK TOWARD DIMENSIONS WITH TOLERANCES +/- SHOWN.
3. PROVIDE ADEQUATE BLOCKING IN WALLS FOR CABINETS AND OTHER WALL MOUNTED ACCESSORIES INCLUDING BUT NOT LIMITED TO HANDRAILS, SHELVING, TV SUPPORT BRACKETS, BULLETING BOARDS, MARKER BOARDS AND BATHROOM FIXTURES.
4. PROVIDE FIRE BLOCKING EVERY 10'-0" VERTICALLY & HORIZONTALLY AT CONCEALED SPACES, WALLS, PARTITIONS, CEILINGS AND INTERSECTIONS - TYP.
5. CONTRACTOR TO PROVIDE SHEATHING ON THE INTERIOR SIDE OF ALL WALLS WHERE STRUCTURAL SHEATHING OCCURS TO PROVIDE A CONTINUOS AND FLUSH WALL SURFACE FOR THE ENTIRE WALL.
6. ALL INTERIOR DOORS SHALL HAVE MIN. 18" WIDTH CLEARANCE ON THE SIDE TO WHICH THE DOOR SWINGS FROM THE STRIKE EDGE OF THE DOOR.
7. ALL EXTERIOR DOORS SHALL HAVE MIN. 24" WIDTH LEVEL AREA ON THE SIDE TO WHICH THE DOOR SWINGS FROM THE STRIKE EDGE OF THE DOOR.
8. EQUIPMENT IS PER OWNER UNLESS OTHERWISE NOTED. CONTRACTOR TO INSTALL ALL GAS, WATER, PLUMBING PER EQUIPMENT REQUIREMENTS. REFER TO OWNER FOR REQUIREMENTS.
9. MINIMUM 1/8":12 SLOPE FOR CONCRETE FLOORS WHERE FLOOR DRAIN OCCURS.
10. PROVIDE TACTILE EXIT SIGNS AT EACH EXIT PER 2010 CBC 1011.3.
11. REFER TO SHEET G4.00 ACCESSIBILITY STANDARDS AND G4.01 ACCESSIBILITY DETAILS FOR ADDITIONAL INFORMATION AND TYPICAL ACCESSIBLE DETAILS.
12. REFER TO ROOM FINISH PLAN FOR ALL FINISH DESIGNATIONS
13. REFER TO STRUCTURAL DWGS. FOR LOCATIONS AND EXTENT OF CONCRETE CURB AT INTERIOR WALLS.

1 A3.10 FIRST FLOOR DIMENSION PLAN
1/4" = 1'-0"

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2/21/2023 — CALA PROJECT NO. 21013

MCKINLEY PARK AND POOL RENOVATION

FIRST FLOOR DIMENSION PLAN

PERMIT REVIEW SET

LICENSED ARCHITECT ERIC WILLIAM WONG C28385 September 2023 STATE OF CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By
1	PLAN CHECK	11/14/22	EB	EW
3	PLAN CHECK	2/21/23	EB	EW
4	CITY REVISIONS	4/13/23	EB	EW

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	As indicated
DESIGNED BY	EB
DRAWN BY	EB
CHECKED BY	EW, EB
RECORD DWGS.	

APPROVED BY: 7/24/23
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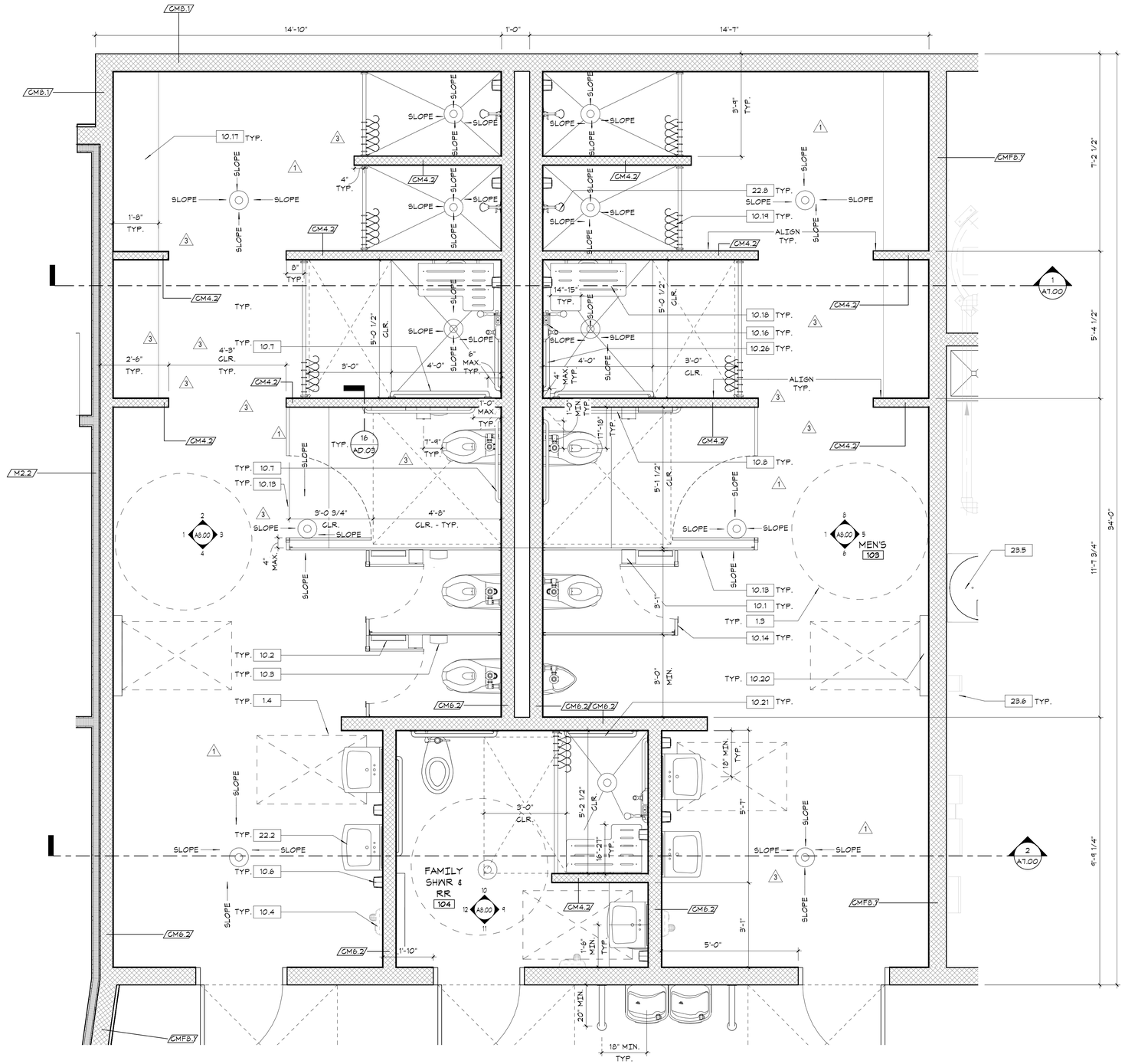
CITY ENGINEER
STOCKTON, CALIFORNIA

SHEET NO. A3.10
119 OF 158 SHTS
PROJECT NO. 5541.118C



KEYNOTES

1.3 60" DIA. MIN. ACCESSIBLE MANUVERING SPACE @ 2T" A.F.F.

1.4 30" x 48" MIN. ACCESSIBLE CLR. KNEE AREA

10.1 TOILET TISSUE DISPNSER; MOUNT @ 19" HT. A.F.F. TO DISPENSER OUTLET AND 7'-9" FRONT OF BOWL TO CENTERLINE OF DISPENSER

10.2 SURFACE MOUNTED TOILET SEAT COVER DISPENSER. MOUNT DISPENSER OPENING @ 40" HT. MAX A.F.F.

10.3 SANITARY NAPKIN DISPENSER UNIT - MOUNT DISPENSER OPENINGS @ 19" A.F.F.

10.4 FUTURE TOUCHLESS ELECTRIC AIR HAND DRYER - MOUNT WITH CENTER OF CONTROLS @ 40" A.F.F. MAX. - INSTALL J-BOX PER ELEC.

10.6 SURFACE MOUNTED SOAP DISPENSER - MOUNT CENTER OF CONTROLS @ 40" HT. A.F.F.

10.7 GRAB BAR 36" MOUNT TOP OF BAR AT 33" - 36" A.F.F.

10.8 GRAB BAR 42" MOUNT TOP OF BAR AT 33" - 36" A.F.F.

10.13 TOILET "ADA" COMPARTMENTS w/36" WIDE DRS & BOT. OF PANELS 12" A.F.F. MAX. TYP.

10.14 TOILET COMPARTMENTS w/24" WIDE IN-SWING DRS & BOT. OF PANELS 12" A.F.F. MAX. TYP.

10.16 S.S. SHOWER HEAD WITH ADA COMPLIANT CONTROLS AND WAND

10.17 ADA COMPLIANT BENCH SEAT 18" HEIGHT X 24" WIDE X 48" MIN LENGTH - SLIP RESISTENT FINISH

10.18 ADA COMPLIANT S.S. FOLDING SHOWER SEAT TO BE MOUNTED 18" A.F.F.

10.19 S.S. SHOWER CURTAIN ROD AND CURTAIN

10.20 ADA COMPLIANT SURFACE MOUNTED BABY DIAPER CHANGING STATION

10.21 GRAB BAR 30" MOUNT TOP OF BAR AT 33"-36" A.F.F.

10.26 GRAB BAR 32" MOUNT TOP OF BAR AT 33" - 36" A.F.F.

22.2 LAVATORY - MOUNT TOP OF RIM @ 2'10" A.F.F - S.F.D.

22.8 S.S. SHOWER HEAD MOUNTED @ 80" ABV. F.F.

23.5 COMMERCIAL HOT WATER HEATER - S.M.D.

23.6 WALL MOUNTED MECHANICAL EQUIPMENT - S.M.D.

WALL LEGEND

CM4.2 — CM4.2 - 4x8x16 CMU WALL - 6" ABV. CLNG
SEE DETAIL AD.01

CM6.2 — CM6.2 - 6x8x16 CMU WALL - 6" ABV. CLNG
SEE DETAIL AD.01

CM8.1 — CM8.1 - 8x8x16 CMU WALL FULL HEIGHT
SEE DETAIL AD.01

CMF8.1 — CM8.1 - 8x8x16 CMU WALL FULL HT. w/ 7/8" RES. CHANNEL AND 5/16" FIBER CEMENT FINISH
SEE DETAIL AD.01

M2.2 — M2.2 - 1/2" CONT. RIGID INSULATION - 2 1/2" METAL STUD FRAME - R-13 LOOSE BATT INSULATION - FINISH 5/8" GYPSUM (1) SIDE - 6" ABV. CLNG
SEE DETAIL AD.01

M4.2 — M4.2 - 3 5/8" METAL STUD FRAME - R-19 LOOSE BATT INSULATION - FINISH 5/8" GYPSUM (1) EA. SIDE - 6" ABV. CLNG
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5. CONTRACTOR TO PROVIDE SHEATHING ON THE INTERIOR SIDE OF ALL WALLS WHERE STRUCTURAL SHEATHING OCCURS TO PROVIDE A CONTINUOUS AND FLUSH WALL SURFACE FOR THE ENTIRE WALL.
6. ALL INTERIOR DOORS SHALL HAVE MIN. 18" WIDTH CLEARANCE ON THE SIDE TO WHIGH THE DOOR SWINGS FROM THE STRIKE EDGE OF THE DOOR.
7. ALL EXTERIOR DOORS SHALL HAVE MIN. 24" WIDTH LEVEL AREA ON THE SIDE TO WHICH THE DOOR SWINGS FROM THE STRIKE EDGE OF THE DOOR.
8. EQUIPMENT IS PER OWNER UNLESS OTHERWISE NOTED. CONTRACTOR TO INSTALL ALL GAS, WATER, PLUMBING PER EQUIPMENT REQUIREMENTS. REFER TO OWNER FOR REQUIREMENTS.
9. MINIMUM 1/8":12 SLOPE FOR CONCRETE FLOORS WHERE FLOOR DRAIN OCCURS.
10. PROVIDE TACTILE EXIT SIGNS AT EACH EXIT PER 2010 CBC 1011.3.
11. REFER TO SHEET G4.00 ACCESSIBILITY STANDARDS AND G4.01 ACCESSIBILITY DETAILS FOR ADDITIONAL INFORMATION AND TYPICAL ACCESSIBLE DETAILS.
12. REFER TO ROOM FINISH PLAN FOR ALL FINISH DESIGNATIONS
13. REFER TO STRUCTURAL DWGS. FOR LOCATIONS AND EXTENT OF CONCRETE CURB AT INTERIOR WALLS.

1 A3.12 ENLARGED RESTROOM PLAN
1/2" = 1'-0"

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2/21/2023

CALA PROJECT NO. 21013

MCKINLEY PARK AND POOL RENOVATION

ENLARGED FLOOR PLAN

PERMIT REVIEW SET

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

LICENSED ARCHITECT ERIC WILLIAM WONG C28388 September 2023 STATE OF CALIFORNIA

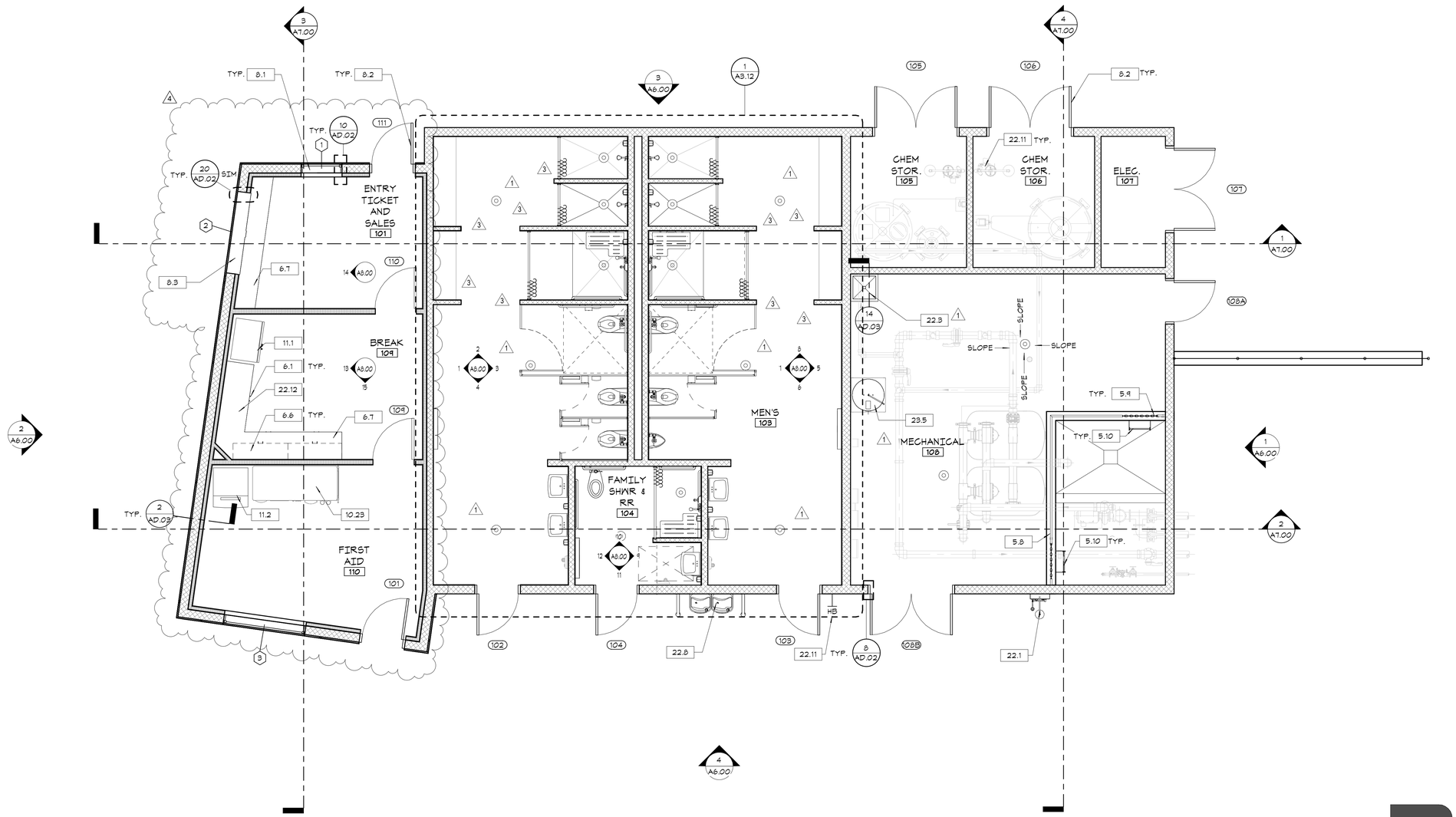
Revision No.	Description	Date	By	Aprvd. By
1	PLAN CHECK	11/14/22	EB	EW
3	PLAN CHECK	2/21/23	EB	EW
4	CITY REVISIONS	4/13/23	EB	EW

SCALE	As indicated
DESIGNED BY	EB
DRAWN BY	EB
CHECKED BY	EW, EB
RECORD DWGS.	

APPROVED BY: 7/24/23 DATE
CITY ENGINEER
STOCKTON, CALIFORNIA

SHEET NO. A3.12 120 OF 158 SHTS

PROJECT NO. 5541.119C



WALL LEGEND

- CM4.2 - 4x8x16 CMU WALL - 6" ABV. GLNG
  SEE DETAIL AD.01
- CM6.2 - 6x8x16 CMU WALL - 6" ABV. GLNG
  SEE DETAIL AD.01
- CM8.1 - 8x8x16 CMU WALL FULL HEIGHT
  SEE DETAIL AD.01
- CMF8.1 - 8x8x16 CMU WALL FULL HT. W/ 7/8" RES. CHANNEL AND 5/16" FIBER CEMENT FINISH
  SEE DETAIL AD.01
- M2.2 - M2.2 - 1/2" CONT. RIGID INSULATION - 2 1/2" METAL STUD FRAME - R-13 LOOSE BATT INSULATION - FINISH 5/8" GYPSUM (1) SIDE - 6" ABV. GLNG
  SEE DETAIL AD.01
- M4.2 - M4.2 - 3 5/8" METAL STUD FRAME - R-19 LOOSE BATT INSULATION - FINISH 5/8" GYPSUM (1) EA. SIDE - 6" ABV. GLNG
  SEE DETAIL AD.01

LEGEND

- 101 — DOOR REFERENCE NUMBER
- 1 — WINDOW REFERENCE NUMBER
- 1 / A10.00 / 1 — ELEVATIONS

KEYNOTES

5.8	PUMP AREA FALL PROTECTION - 48" - REF. TO AQUATIC DRAWINGS
5.9	PUMP AREA FALL PROTECTION ACCESS CHAIN GUARD - REF. TO AQUATIC DRAWINGS
5.10	PUPM AREA ACCESS LADDER - REF. TO AQUATIC DRAWINGS
6.1	P. LAM FACED BASE CABINET WITH DOORS AND ADJ. SHELVES
6.6	P. LAM FACED UPPER CABINET WITH DOORS AND ADJ. SHELVES
6.7	ADA ACCESSIBLE SOLID SURFACE COUNTERTOP WITH APRON AND BACKSLPLASH - TOP @ 2'-10" A.F.F.
8.1	ALUMINUM STOREFRONT SYSTEM - REFER TO STOREFRONT SCHEDULE
8.2	HOLLON METAL DOOR - REFER TO DOOR SCHEDULE
8.3	HOLLON METAL FRAMED TRANSFER WINDOW WITH AUDIO GRATE
10.23	FOLDING COT - OFOI
11.1	FULL SIZE 36" REFRIGERATOR WITH ICE MAKER AND WATER CONNECTION
11.2	30" UNDERCOUNTER ICE MAKER WITH CONDENSATE AND OVERFLOW LINE
22.1	EXTERIOR ADA COMPLIANT SHOWER TONER - S.M.D.
22.3	FLOOR MOUNT UTLITY SINK - S.P.D.
22.8	S.S. SHOWER HEAD MOUNTED @ 80" ABV. F.F.
22.11	8" X 8" KEYED, LOCKABLE PLUMBING ACCESS PANEL WITH HOSE BIB - S.P.D.
22.12	S.S. SINGLE COMPARTMENT UNDERMOUNT KITCHEN SINK DIVISION 22
23.5	COMMERCIAL HOT WATER HEATER - S.M.D.

1 A3.15 — FIRST FLOOR ANNOTATION PLAN
1/4" = 1'-0"

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2/21/2023 — CALA PROJECT NO. 21013

MCKINLEY PARK AND POOL RENOVATION

FIRST FLOOR ANNOTATION PLAN

PERMIT REVIEW SET

LICENSED ARCHITECT — ERIC WILLIAM BOTHELO — C28388 — September 2023 — STATE OF CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By
1	PLAN CHECK	11/14/22	EB	EW
3	PLAN CHECK	2/21/23	EB	EW
4	CITY REVISIONS	4/13/23	EB	EW

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	As indicated
DESIGNED BY	EB
DRAWN BY	EB
CHECKED BY	EW, EB
RECORD DWGS.	

APPROVED BY: 7/24/23 DATE
CITY ENGINEER
STOCKTON, CALIFORNIA

SHEET NO. A3.15
121 OF 158 SHTS
PROJECT NO. 5541.120C

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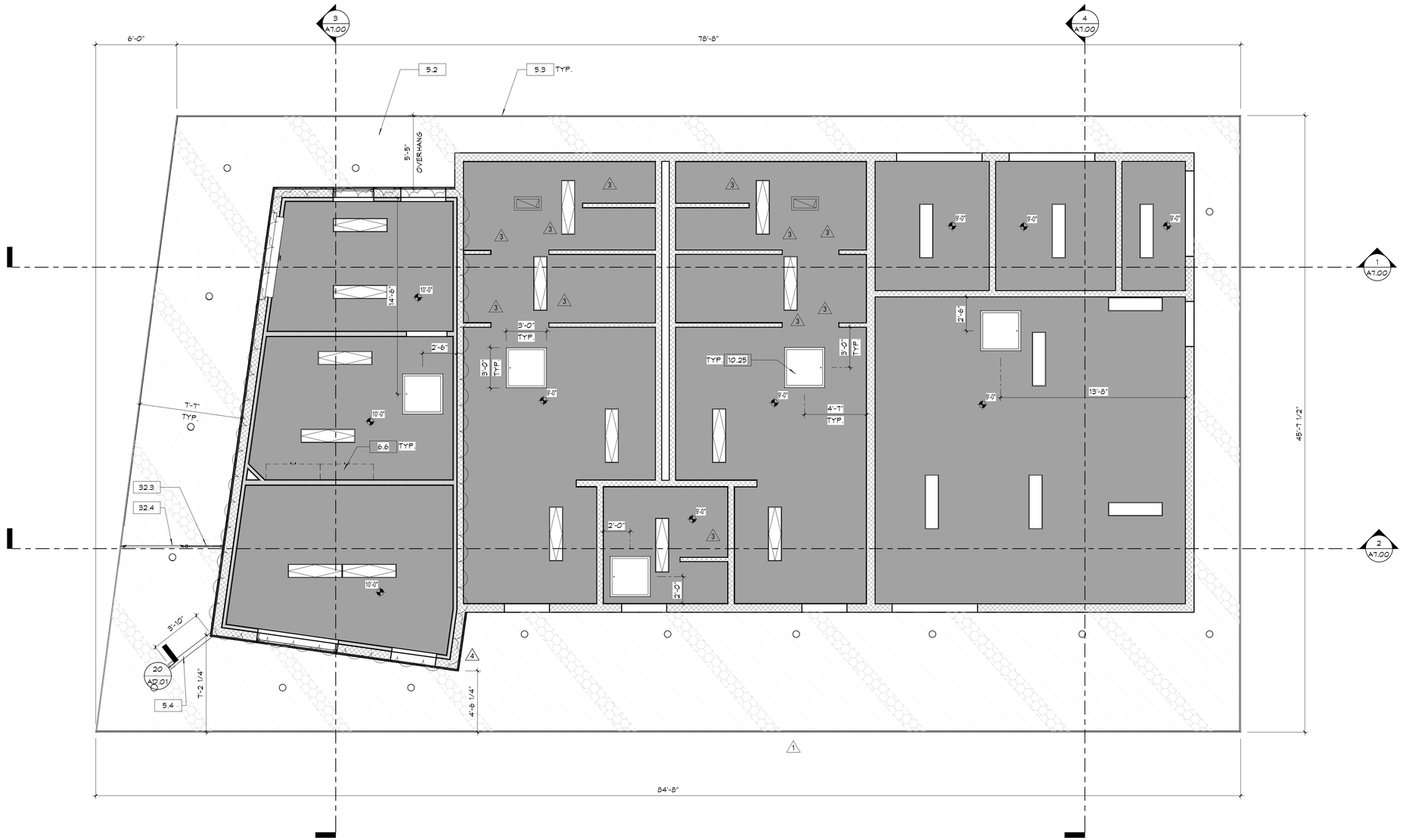

LEGEND

- 5/8" TYPE "X" GYPSUM BOARD, TEXTURE, PRIME & PAINT
- 24 GA PREFINISHED METAL SOFFIT PANEL
- VENTILATED SOFFIT PANEL - EVERY EIGHTH PANEL
- EXHAUST AIR REGISTER - S.M.D.
- RECESSED FLANGED VANDAL BOX LIGHT - S.E.D.
- SURFACE MOUNTED BOX LIGHT - S.E.D.
- RECESSED DOWN LIGHT - S.E.D.

GENERAL NOTES

1. FOR LIGHT FIXTURES AND MECHANICAL EQUIPMENT NOT REFERENCED REFER TO ELECTRICAL & MECHANICAL DRAWINGS.
2. OVERHANG DIMENSIONS ARE REPRESENTATIVE OF DEPTH, BUT NOT LENGTH OF MATERIAL. OVERHANG CURVES WILL INCREASE THE REQUIRED LENGTH OF SOFFIT PANELS.

KEYNOTES

32.3 8'-0" ANTI CLIMB MESH POOL AREA FENCE - S.L.D.

32.4 8'-0" ANTI CLIMB MESH POOL AREA FENCE GATE - S.L.D.

ATTIC VENTILATION
- BUILDING AREA: 1,400SF
- 2,400SF/150= 16SF

- REQUIRED VENTILATION AREA = 16SF MIN.
- PROVIDED VENTIALTION AREA = 160SF

1 A4.10 FIRST FLOOR REFLECTED CEILING PLAN
1/4" = 1'-0"

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2/21/2023

CALA PROJECT NO. 21013

MCKINLEY PARK AND POOL RENOVATION

FIRST FLOOR REFLECTED CEILING PLAN

PERMIT REVIEW SET

LICENSED ARCHITECT ERIC WILLIAM WRONA C28388 September 2023 STATE OF CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By
1	PLAN CHECK	11/14/22	EB	EW
3	PLAN CHECK	2/21/23	EB	EW
4	CITY REVISIONS	4/13/23	EB	EW

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	As indicated
DESIGNED BY	EB
DRAWN BY	EB
CHECKED BY	EW, EB
RECORD DWGS.	

APPROVED BY: 7/24/23 DATE
CITY ENGINEER
STOCKTON, CALIFORNIA

SHEET NO. A4.10
122 OF 158 SHTS
PROJECT NO. 5541.121C

LEGEND

SPOT ELEVATION

METAL ROOFING PANELS

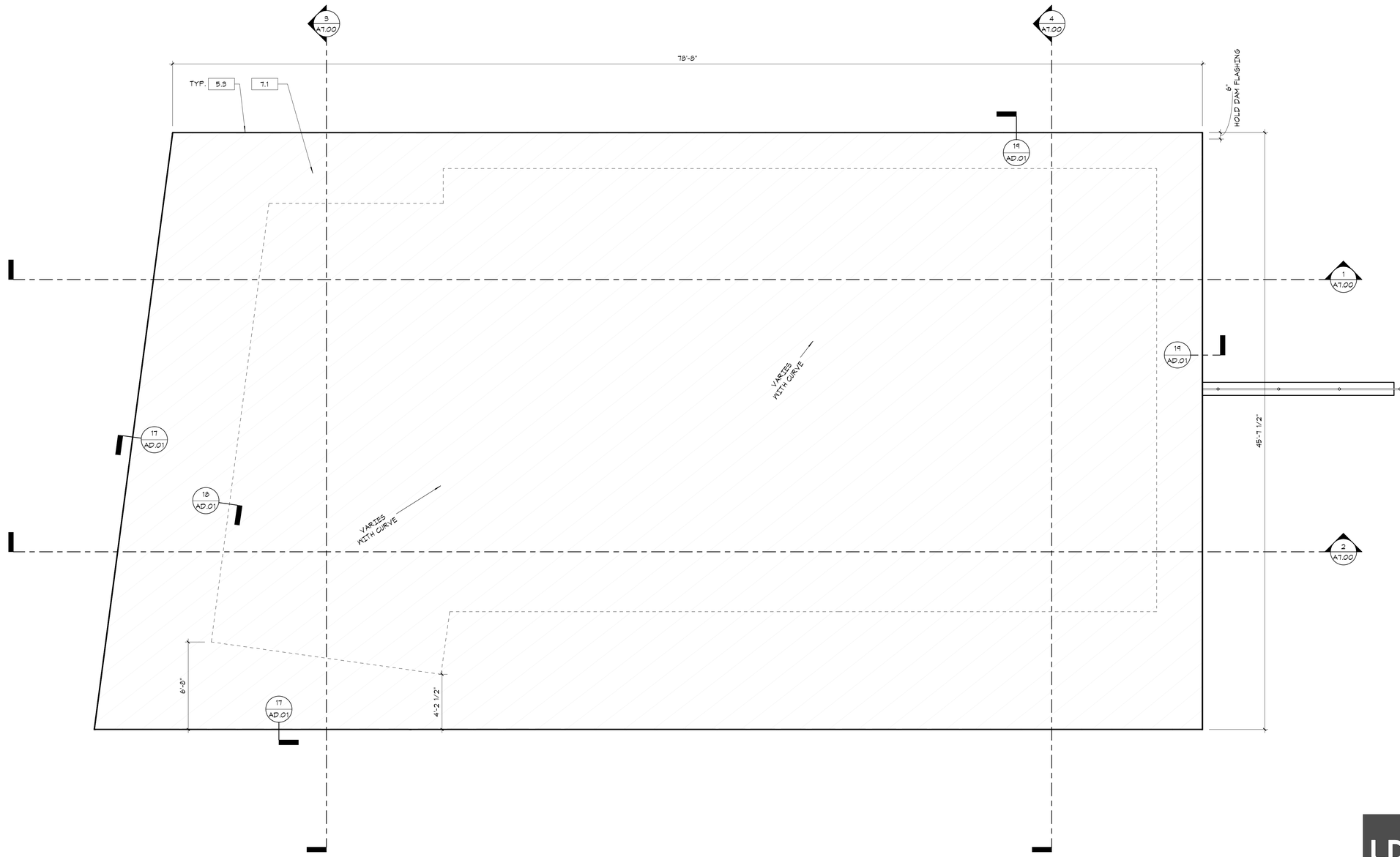
GENERAL NOTES

1. PROVIDE 26 GA. G.I. FLASHING AT ALL VALLEY, ROOF TO WALL TO HIP CONDITIONS. ALL ROOF PENETRATIONS SHALL RECEIVE A 26 GA. ROOF SAFE SET IN MASTIC.
2. CONTRACTOR TO PROVIDE ALL ROOF PENETRATIONS CURBS AND FLASHING FOR MECHANICAL ELECTRICAL AND PLUMBING SYSTEMS AS REQUIRED.
3. DEFERRED SUBMITTAL: CONTRACTOR TO PROVIDE MANUFACTURER'S TECHNICAL DATA FOR ALL VENT DEVICES (ATTIC/SOFFIT) TO ARCHITECT FOR APPROVAL BEFORE INSTALLATION.

KEYNOTES

5.3 PRE-FINISHED, CURVED METAL FASCIA WITH TRIM

7.1 STANDING SEAM METAL ROOF PANELS - COLOR SELECTED BY ARCHITECT



1 A5.00 ROOF PLAN
1/4" = 1'-0"

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2/21/2023

CALA PROJECT NO. 21013

MCKINLEY PARK AND POOL RENOVATION

OVERALL ROOF PLAN

PERMIT REVIEW SET

LICENSED ARCHITECT ERIC WILLIAM WONG C28388 September 2023 STATE OF CALIFORNIA

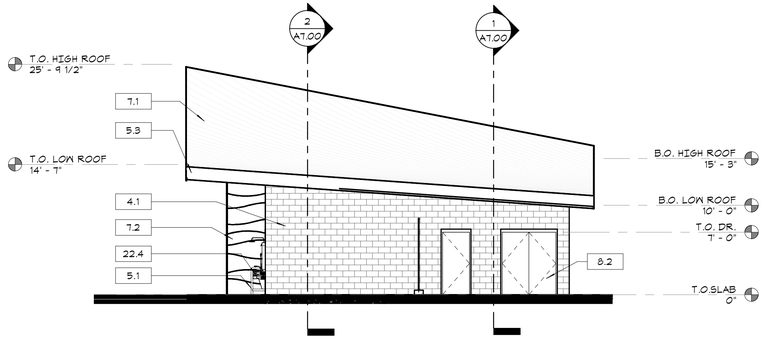
Revision No.	Description	Date	By	Aprvd. By

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

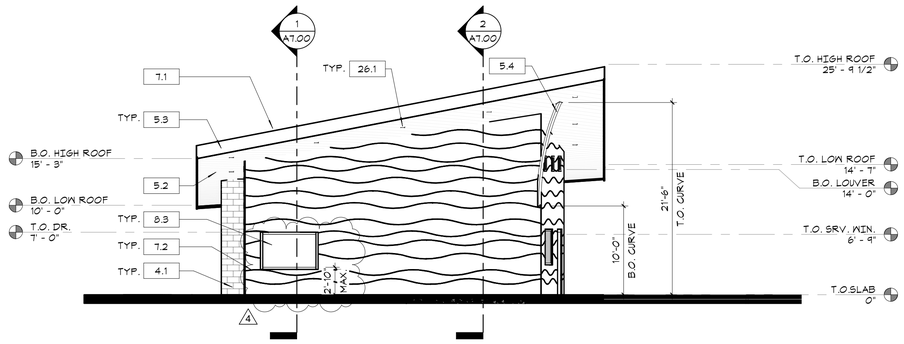
SCALE	As indicated
DESIGNED BY	EW
DRAWN BY	EB
CHECKED BY	EW, EB
RECORD DWGS.	

APPROVED BY: 7/24/23 DATE
CITY ENGINEER
STOCKTON, CALIFORNIA

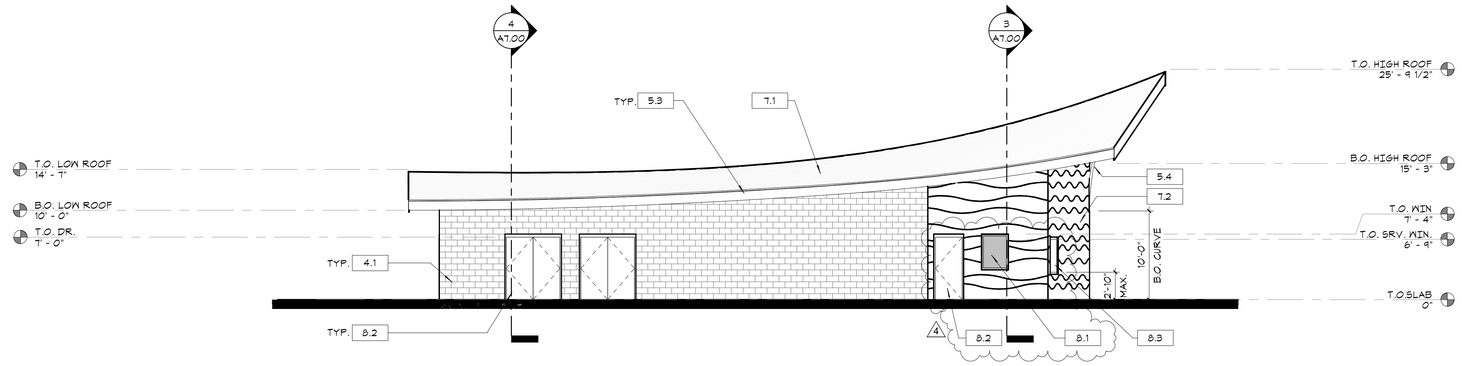
SHEET NO. A5.00
123 OF 158 SHTS
PROJECT NO. 5541.122C



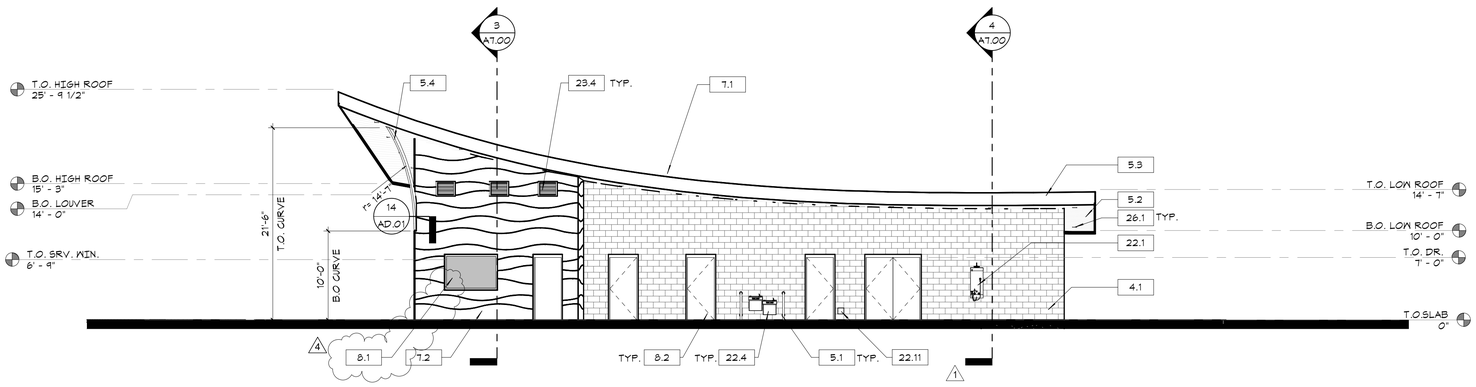
1 EXTERIOR ELEVATION - EAST
A6.00 1/8" = 1'-0"



2 EXTERIOR ELEVATION - WEST
A6.00 1/8" = 1'-0"



3 EXTERIOR ELEVATION - NORTH
A6.00 1/8" = 1'-0"



4 EXTERIOR ELEVATION - SOUTH
A6.00 1/8" = 1'-0"

KEYNOTES

4.1	8X8X16 CMU - GROUND FACE MATERIAL - COLOR SELECTED BY ARCHITECT
5.1	S.S. DRINKING FOUNTAIN GUARD RAIL
5.2	PREFINISHED 24GA METAL SOFFIT PANELS
5.3	PRE-FINISHED, CURVED METAL FASCIA WITH TRIM
5.4	CUSTOM DECORATIVE, CURVED, POWDER COATED HOLLOW STEEL MEMBER
7.1	STANDING SEAM METAL ROOF PANELS - COLOR SELECTED BY ARCHITECT
7.2	PREFINISHED HARDIE BOARD FIBER CEMENT SIDING - FINE SAND ARCHITECTURAL PANEL - COLOR SELECTED BY ARCHITECT
8.1	ALUMINUM STOREFRONT SYSTEM - REFER TO STOREFRONT SCHEDULE
8.2	HOLLOW METAL DOOR - REFER TO DOOR SCHEDULE
8.3	HOLLOW METAL FRAMED TRANSFER WINDOW WITH AUDIO GRATE
22.1	EXTERIOR ADA COMPLIANT SHOWER TOWER - S.M.D.
22.4	ADA DRINKING FOUNTAIN w/ BI-LEVEL BOWLS - S.P.D.
22.11	8" X 8" KEYED, LOCKABLE PLUMBING ACCESS PANEL WITH HOSE BIB - S.P.D.
23.4	LOUVERED VENTILATION - S.M.D. FOR SF REQUIREMENTS
26.1	EXTERIOR LED LIGHT FIXTURE - S.E.D.

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2/21/2023 CALA PROJECT NO. 21013

MCKINLEY PARK AND POOL RENOVATION

EXTERIOR ELEVATIONS

PERMIT REVIEW SET

LICENSED ARCHITECT ERIC WILLIAM WONG C-28388 September 2023 STATE OF CALIFORNIA

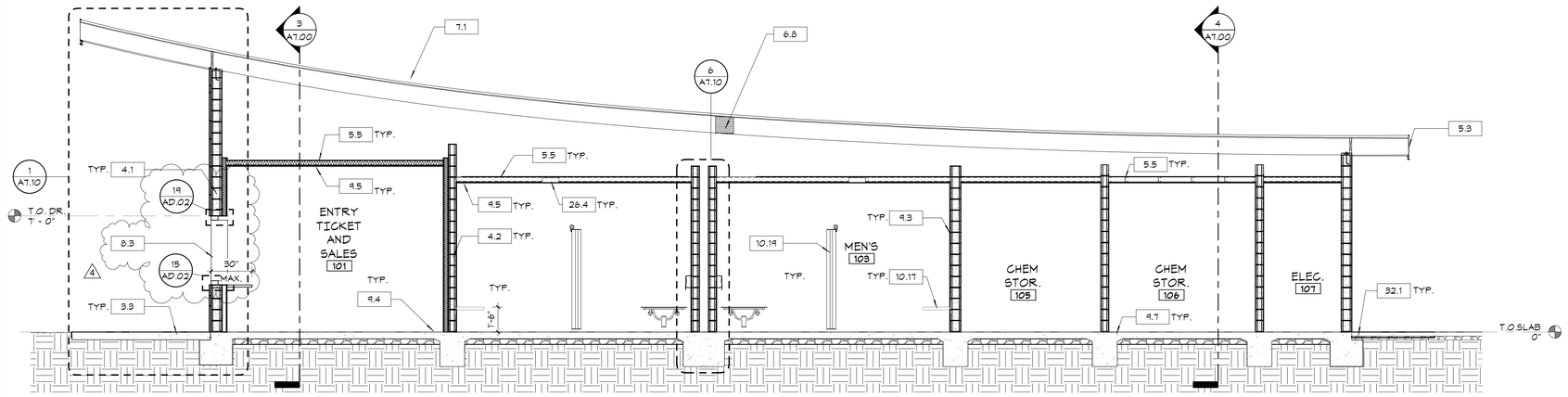
Revision No.	Description	Date	By	Aprvd. By
1	PLAN CHECK	11/14/22	EB	EW
3	PLAN CHECK	2/21/23	EB	EW
4	CITY REVISIONS	4/13/23	EB	EW

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

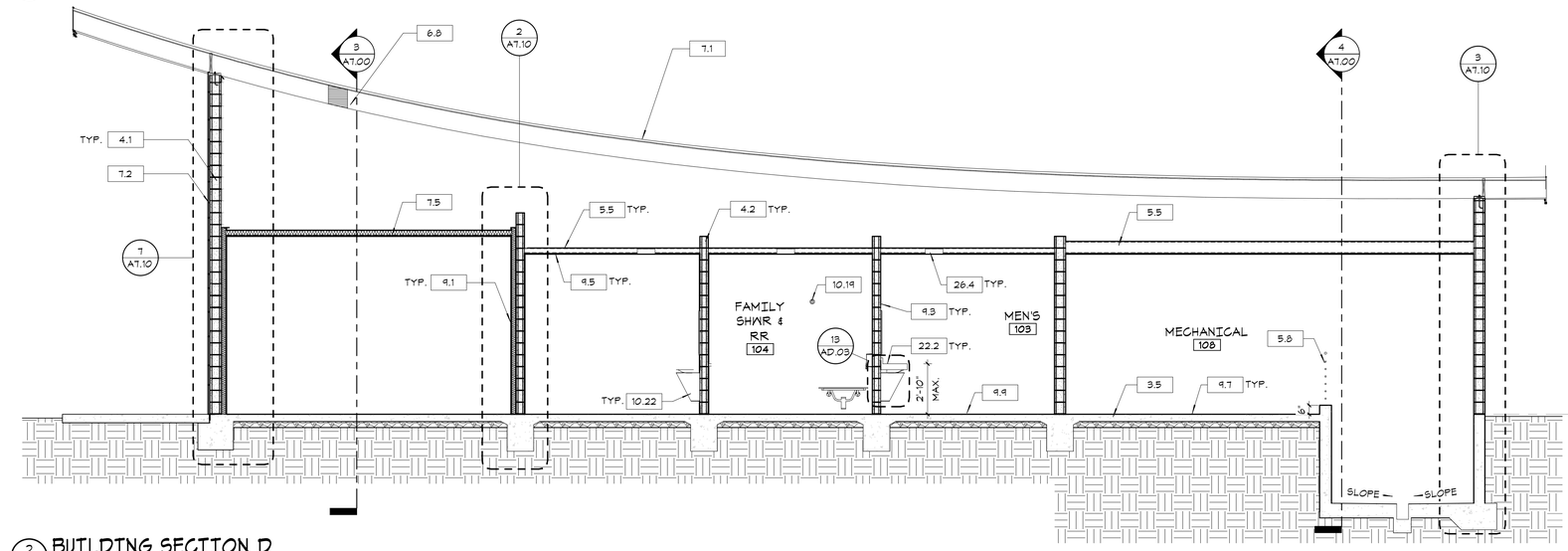
SCALE	1/8" = 1'-0"
DESIGNED BY	EB
DRAWN BY	EB
CHECKED BY	EW, EB
RECORD DWGS.	

APPROVED BY: DATE 7/24/23
CITY ENGINEER
STOCKTON, CALIFORNIA

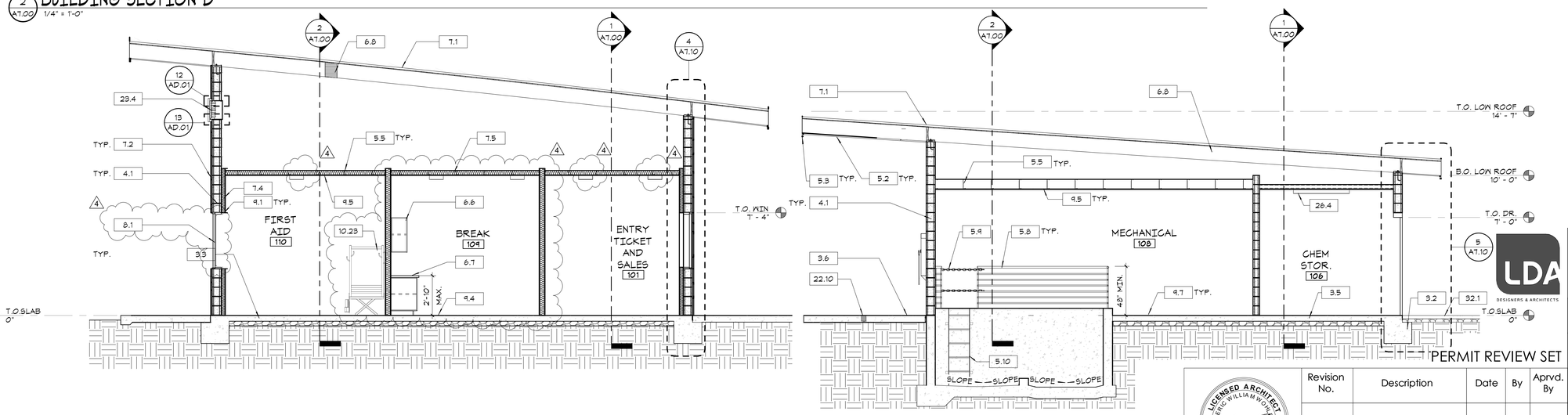
SHEET NO. A6.00
124 OF 158 SHTS
PROJECT NO. 5541.123C



1 A7.00 **BUILDING SECTION C**
1/4" = 1'-0"



2 A7.00 **BUILDING SECTION D**
1/4" = 1'-0"



3 A7.00 **BUILDING SECTION A**
1/4" = 1'-0"

4 A7.00 **BUILDING SECTION B**
1/4" = 1'-0"

KEYNOTES

3.2	CONCRETE FOOTING - S.S.D.
3.3	CONCRETE WALKWAY - S.C.D.
3.5	CONCRETE SLAB - S.S.D.
3.6	PROPOSED CONCRETE POOL DECK
4.1	8X8X16 CMU - GROUND FACE MATERIAL - COLOR SELECTED BY ARCHITECT
4.2	6X8X16 CMU - GROUND FACE MATERIAL - COLOR SELECTED BY ARCHITECT
5.2	PREFINISHED 24GA METAL SOFFIT PANELS
5.3	PRE-FINISHED, CURVED METAL FASCIA WITH TRIM
5.5	LIGHT GUAGE METAL CEILING JOISTS - S.S.D.
5.8	PUMP AREA FALL PROTECTION - 48" - REF. TO AQUATIC DRAWINGS
5.9	PUMP AREA FALL PROTECTION ACCESS CHAIN GUARD - REF. TO AQUATIC DRAWINGS
5.10	PUPM AREA ACCESS LADDER - REF. TO AQUATIC DRAWINGS
6.6	P. LAM FACED UPPER CABINET WITH DOORS AND ADJ. SHELVES
6.7	ADA ACCESSIBLE SOLID SURFACE COUNTERTOP WITH APRON AND BACKSLPLASH - TOP @ 2'-10" A.F.F.
6.8	ENGINEERED BEAM AND ROOF FRAMING - S.S.D. FOR ROOF ASSEMBLY
7.1	STANDING SEAM METAL ROOF PANELS - COLOR SELECTED BY ARCHITECT
7.2	PREFINISHED HARDIE BOARD FIBER CEMENT SIDING - FINE SAND ARCHITECTURAL PANEL - COLOR SELECTED BY ARCHITECT
7.4	LOOSE BATT WALL INSULATION - S.M.D. FOR SIZE AND R-VALUE
7.5	CEILING INSULATION - S.M.D. FOR SIZE AND R-VALUE
8.1	ALUMINUM STOREFRONT SYSTEM - REFER TO STOREFRONT SCHEDULE
8.3	HOLLOW METAL FRAMED TRANSFER WINDOW WITH AUDIO GRATE
9.1	5/8" TYPE "X" GYPSUM BOARD - PRIME AND PAINT U.O.N.
9.3	CERAMIC WALL TILE W/ MORTAR FLOAT - REF. TO SCHED.
9.4	SEALED CONCRETE - SMOOTH TROWEL FINSIH
9.5	5/8" TYPE "X" GYPSUM CEILING BOARD - PRIME AND PAINT U.O.N.
9.7	SEALED, SLOPED CONCRETE - SLOPE TO FLOOR DRAIN - REF. TO PLANS
9.9	COVED EPOXY FLOORING - SLOPE TO DRAIN - REF. TO FINISH SCHEDULE
10.17	ADA COMPLIANT BENCH SEAT 18" HEIGHT X 20"-24" WIDE X 48" MIN LENGTH - SLIP RESISTENT FINISH
10.19	S.S. SHOWER CURTAIN ROD AND CURTAIN
10.22	ADA COMPLIANT S.S. UNDER SINK PIPE GUARD
10.23	FOLDING COT - OFOI
22.2	LAVATORY - MOUNT TOP OF RIM @ 2'10" A.F.F - S.P.D.
22.10	SLOT DRIAN - S.C.D.
23.4	LOUVERED VENTILATION - S.M.D. FOR SF REQUIREMENTS
26.4	LINEAR LED BOX LIGHTING - S.E.D.
32.1	SITE PAVING- S.C.D.

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2/21/2023

CALA PROJECT NO. 21013

MCKINLEY PARK AND POOL RENOVATION

BUILDING SECTIONS

PERMIT REVIEW SET

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

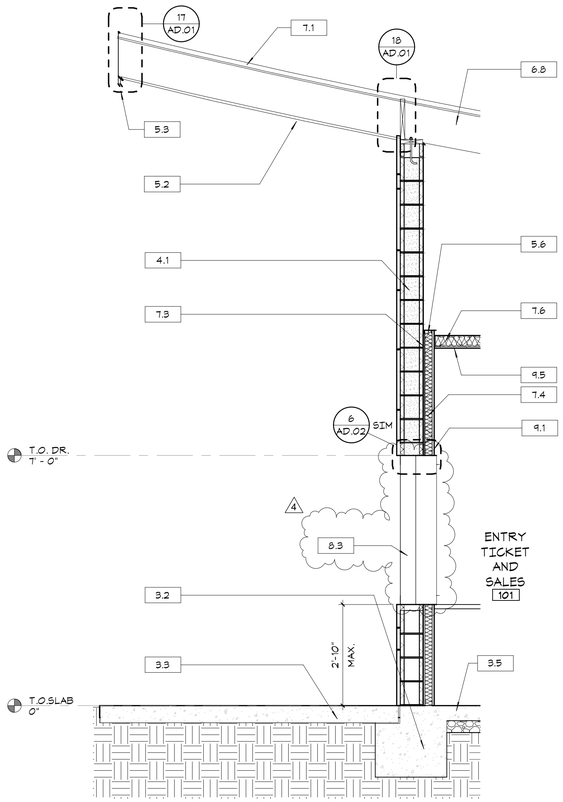
LICENSED ARCHITECT ERIC WILLIAM MUNSEY C28388 September 2023 STATE OF CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By

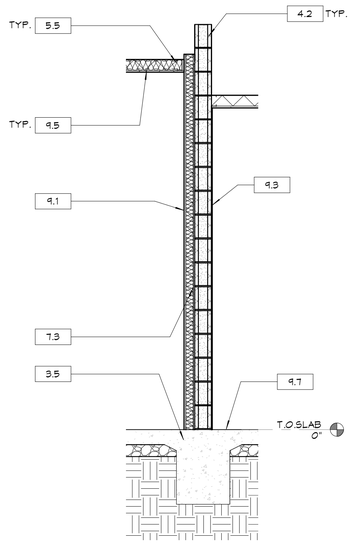
SCALE	1/4" = 1'-0"
DESIGNED BY	EB
DRAWN BY	EB
CHECKED BY	EW,EB
RECORD DWGS.	

APPROVED BY: 7/24/23 DATE
CITY ENGINEER
STOCKTON, CALIFORNIA

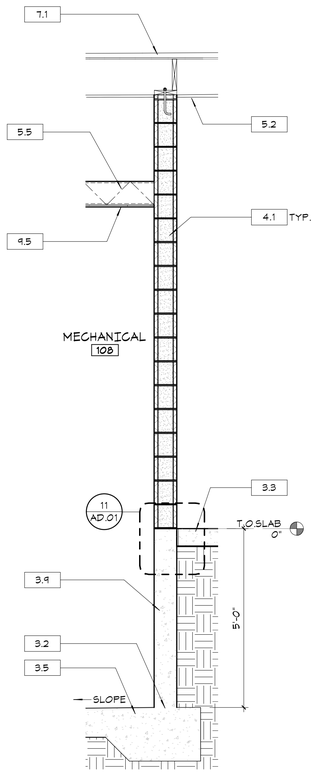
SHEET NO. A7.00
125 OF 158 SHTS
PROJECT NO. 5541.124C



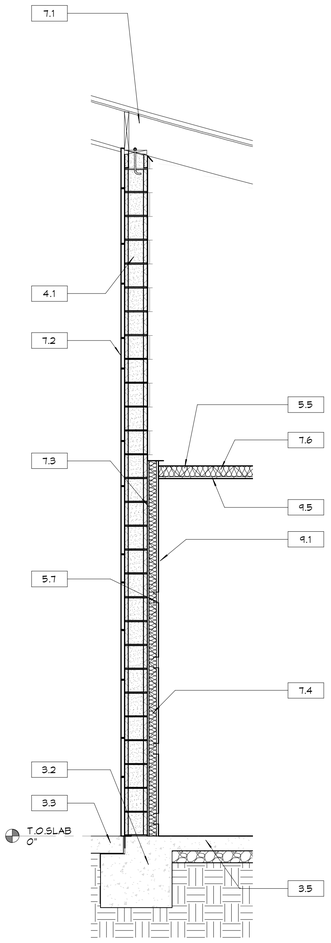
1 AT1.10 EXT. WALL AT EAVE W/ FURRING
1/2" = 1'-0"



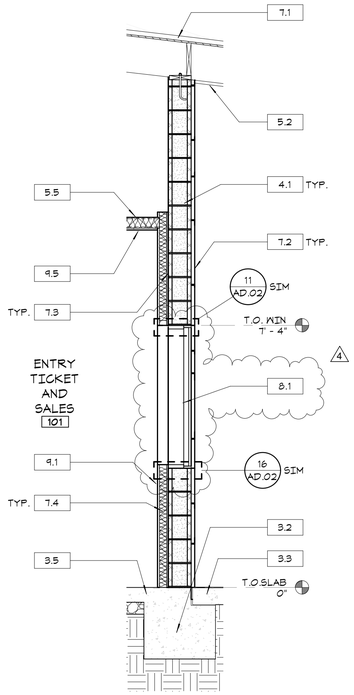
2 AT1.10 INT. WALL W/ FURRING
1/2" = 1'-0"



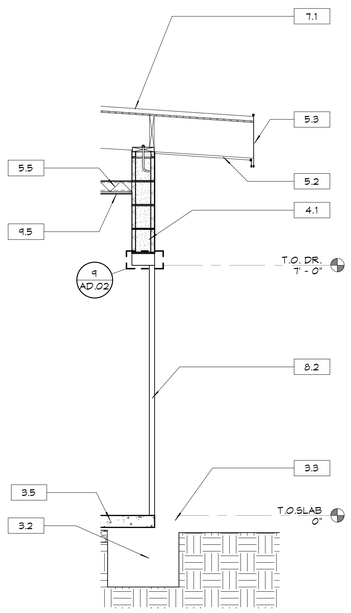
3 AT1.10 EXT. WALL AT PUMP PIT
1/2" = 1'-0"



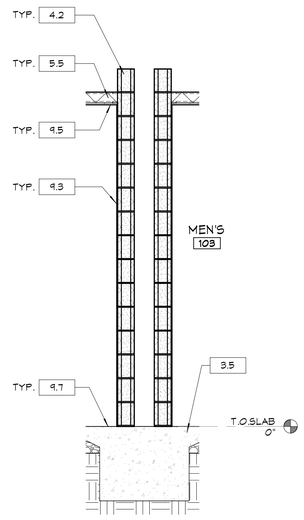
7 AT1.10 EXTERIOR WALL W/ FURRING AND CASWORK
1/2" = 1'-0"



4 AT1.10 EXT. WALL AT WIN. W/ FURRING
1/2" = 1'-0"



5 AT1.10 EXT DOOR AT EAVE
1/2" = 1'-0"



6 AT1.10 INT. PLUMBING CHASE WALL
1/2" = 1'-0"

KEYNOTES

3.2	CONCRETE FOOTING - S.S.D.
3.3	CONCRETE WALKWAY - S.C.D.
3.5	CONCRETE SLAB - S.S.D.
3.9	PUMP PIT CONCRETE STEM WALL - S.S.D.
4.1	8X8X16 CMU - GROUND FACE MATERIAL - COLOR SELECTED BY ARCHITECT
4.2	8X8X16 CMU - GROUND FACE MATERIAL - COLOR SELECTED BY ARCHITECT
5.2	PREFINISHED 24GA METAL SOFFIT PANELS
5.3	PRE-FINISHED, CURVED METAL FASCIA WITH TRIM
5.5	LIGHT GUAGE METAL CEILING JOISTS - S.S.D.
5.6	LIGHT GUAGE METAL FRAMING - REF. TO PLANS FOR SIZE
5.7	LIGHT GUAGE METAL BLOCKING - REF. TO DETAILS
6.8	ENGINEERED BEAM AND ROOF FRAMING - S.S.D. FOR ROOF ASSEMBLY
7.1	STANDING SEAM METAL ROOF PANELS - COLOR SELECTED BY ARCHITECT
7.2	PREFINISHED HARDIE BOARD FIBER CEMENT SIDING - FINE SAND ARCHITECTURAL PANEL - COLOR SELECTED BY ARCHITECT
7.3	1/2" CONTINUOUS RIGID INSULATION
7.4	LOOSE BATT WALL INSULATION - S.M.D. FOR SIZE AND R-VALUE
7.6	5" LOOSE BATT CEILING INSULATION
8.1	ALUMINUM STOREFRONT SYSTEM - REFER TO STOREFRONT SCHEDULE
8.2	HOLLOW METAL DOOR - REFER TO DOOR SCHEDULE
8.3	HOLLOW METAL FRAMED TRANSFER WINDOW WITH AUDIO GRATE
9.1	5/8" TYPE "X" GYPSUM BOARD - PRIME AND PAINT U.O.N.
9.3	CERAMIC WALL TILE W/ MORTAR FLOAT - REF. TO SCHED.
9.5	5/8" TYPE "X" GYPSUM CEILING BOARD - PRIME AND PAINT U.O.N.
9.7	SEALED, SLOPED CONCRETE - SLOPE TO FLOOR DRAIN - REF. TO PLANS

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2/21/2023 CALA PROJECT NO. 21013

MCKINLEY PARK AND POOL RENOVATION

WALL SECTIONS

PERMIT REVIEW SET

LICENSED ARCHITECT
ERIC WILLIAM METH
C28388
September 2023
STATE OF CALIFORNIA

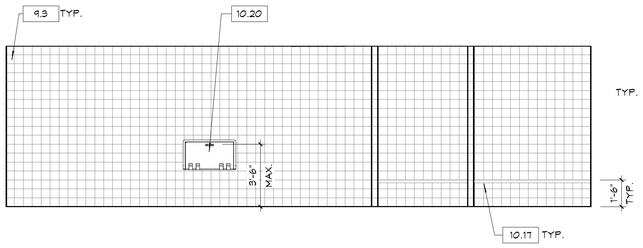
Revision No.	Description	Date	By	Aprvd. By

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

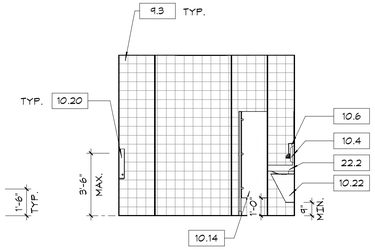
SCALE	1/2" = 1'-0"
DESIGNED BY	EB
DRAWN BY	EB
CHECKED BY	EW, EB
RECORD DWGS.	

APPROVED BY: _____ DATE 7/24/23
CITY ENGINEER
STOCKTON, CALIFORNIA

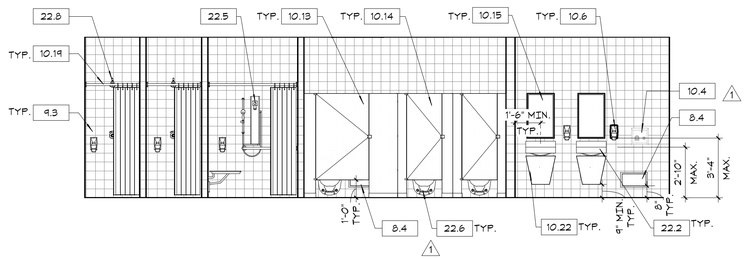
SHEET NO. A7.10
126 OF 158 SHTS
PROJECT NO. 5541.125C



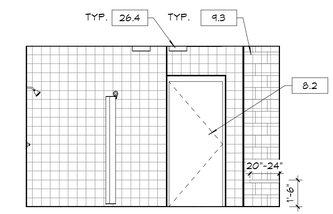
1 A8.00 **WOMEN'S 102 - WEST**
1/4" = 1'-0"



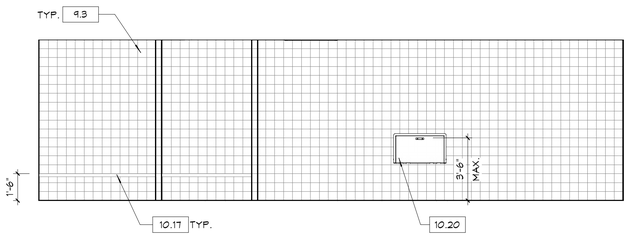
2 A8.00 **WOMEN'S 102 - NORTH**
1/4" = 1'-0"



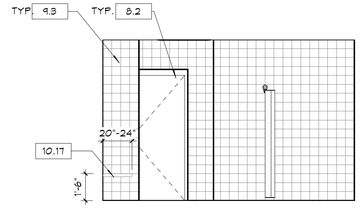
3 A8.00 **WOMEN'S 102 - EAST**
1/4" = 1'-0"



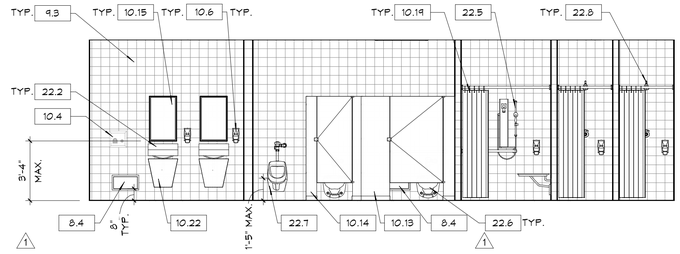
4 A8.00 **WOMEN'S 102 - SOUTH**
1/4" = 1'-0"



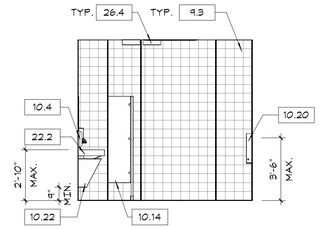
5 A8.00 **MEN'S 103 - EAST**
1/4" = 1'-0"



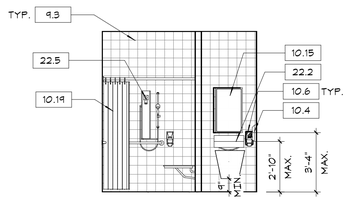
6 A8.00 **MEN'S 103 - SOUTH**
1/4" = 1'-0"



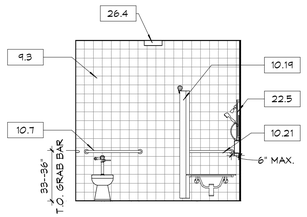
7 A8.00 **MEN'S 103 - WEST**
1/4" = 1'-0"



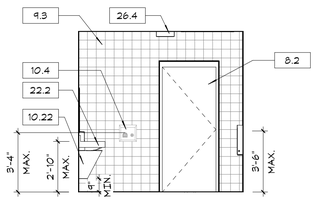
8 A8.00 **MEN'S 103 NORTH**
1/4" = 1'-0"



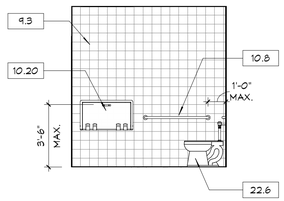
9 A8.00 **FAMILY SHWR & RR 104 - EAST**
1/4" = 1'-0"



10 A8.00 **FAMILY SHWR & RR 104 - NORTH**
1/4" = 1'-0"

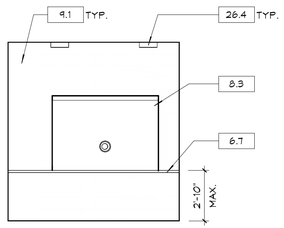


11 A8.00 **FAMILY SHWR & RR 104 - SOUTH**
1/4" = 1'-0"

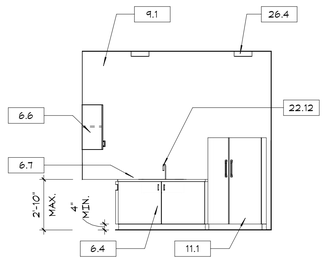


12 A8.00 **FAMILY SHWR & RR 104 - WEST**
1/4" = 1'-0"

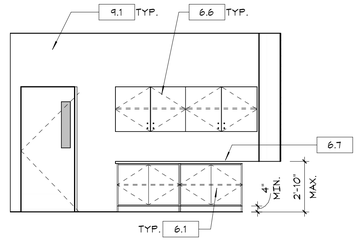
4



14 A8.00 **TICKET & SALES 101 - WEST**
1/4" = 1'-0"



13 A8.00 **BREAK 109 - WEST**
1/4" = 1'-0"



15 A8.00 **BREAK 109 - SOUTH**
1/4" = 1'-0"

KEYNOTES

6.1	P. LAM FACED BASE CABINET WITH DOORS AND ADJ. SHELVES
6.4	P. LAM FACED SINK CABINET WITH DOORS
6.6	P. LAM FACED UPPER CABINET WITH DOORS AND ADJ. SHELVES
6.7	ADA ACCESSIBLE SOLID SURFACE COUNTERTOP WITH APRON AND BACKSLPLASH - TOP @ 2'-10" A.F.F.
8.2	HOLLOW METAL DOOR - REFER TO DOOR SCHEDULE
8.3	HOLLOW METAL FRAMED TRANSFER WINDOW WITH AUDIO GRATE
8.4	S.S. 8" X 16" CMU ACCESS PANEL - ALIGN TO CMU CELL
9.1	5/8" TYPE 'X' GYPSUM BOARD - PRIME AND PAINT U.O.N.
9.3	CERAMIC WALL TILE W/ MORTAR FLOAT - REF. TO SCHED.
10.4	FUTURE TOUCHLESS ELECTRIC AIR HAND DRYER - MOUNT WITH CENTER OF CONTROLS @ 40" A.F.F. MAX. - INSTALL J-BOX PER ELEC.
10.6	SURFACE MOUNTED SOAP DISPENSER - MOUNT CENTER OF CONTROLS @ 40" HT. A.F.F.
10.7	GRAB BAR 36" MOUNT TOP OF BAR AT 33" - 36" A.F.F.
10.8	GRAB BAR 42" MOUNT TOP OF BAR AT 33" - 36" A.F.F.
10.13	TOILET "ADA" COMPARTMENTS W/36" WIDE DRS & BOT. OF PANELS 12" A.F.F. MAX. TYP.
10.14	TOILET COMPARTMENTS W/24" WIDE IN-SWING DRS & BOT. OF PANELS 12" A.F.F. MAX. TYP.
10.15	36" HIGH SHATTER RESISTENT MIRROR; MOUNT @ 40" MAX. A.F.F. TO BOTTOM OF REFLECTING SURFACE
10.17	ADA COMPLIANT BENCH SEAT 18" HEIGHT X 20"-24" WIDE X 48" MIN LENGTH - SLIP RESISTENT FINISH
10.19	S.S. SHOWER CURTAIN ROD AND CURTAIN
10.20	ADA COMPLIANT SURFACE MOUNTED BABY DIAPER CHANGING STATION
10.21	GRAB BAR 30" MOUNT TOP OF BAR AT 33"-36" A.F.F.
10.22	ADA COMPLIANT S.S. UNDER SINK PIPE GUARD
11.1	FULL SIZE 36" REFRIGERATOR WITH ICE MAKER AND WATER CONNECTION
22.2	LAVATORY - MOUNT TOP OF RIM @ 2'10" A.F.F - S.P.D.
22.5	ADA ACCESSIBLE SHOWER FAUCET AND NECK
22.6	WATER CLOSET - S.P.D.
22.7	URINAL - S.P.D.
22.8	S.S. SHOWER HEAD MOUNTED @ 80" ABV. F.F.
22.12	S.S. SINGLE COMPARTMENT UNDERMOUNT KITCHEN SINK DIVISION 22
26.4	LINEAR LED BOX LIGHTING - S.E.D.

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2/21/2023 CALA PROJECT NO. 21013

MCKINLEY PARK AND POOL RENOVATION

INTERIOR ELEVATIONS

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

PERMIT REVIEW SET

LICENSED ARCHITECT ERIC WILLIAM KNOWLES C28388 September 2023 STATE OF CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By
1	PLAN CHECK	11/14/22	EB	EW
3	PLAN CHECK	2/21/23	EB	EW
4	CITY REVISIONS	4/13/23	EB	EW

SCALE	1/4" = 1'-0"
DESIGNED BY	EB
DRAWN BY	EB
CHECKED BY	EW, EB
RECORD DWGS.	

APPROVED BY: DATE 7/24/23
CITY ENGINEER
STOCKTON, CALIFORNIA

SHEET NO. A8.00 127 OF 158 SHTS

PROJECT NO. 5541.126C

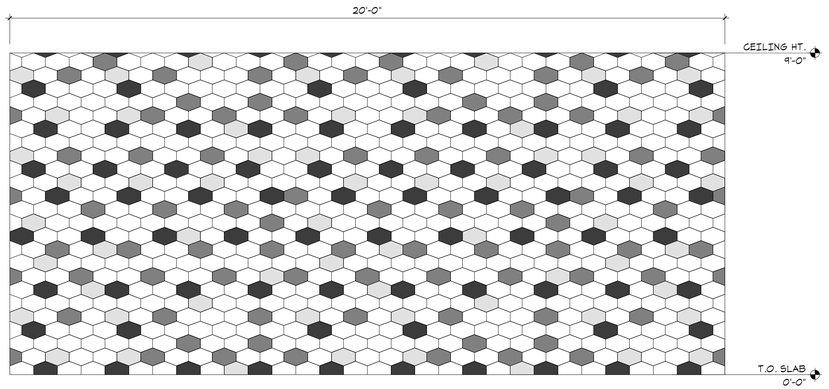
FINISH SCHEDULE

NO.	ROOM NAME	FLOOR	BASE	FINISHES WALLS NORTH	EAST	SOUTH	WEST	BASE CABINET	COUNTER TOP	UPPER CABINET	FINISHES CEILING	CEILING HEIGHT	COMMENTS
101	ENTRY TICKET AND SALES	EP-1	RB-1	P-1 4	P-1	P-2	P-2	NONE	CTR-1	NONE	GB-1	10'-0"	
103	MEN'S	EP-1	CGT-1	GT-	GT-1	GT-1	GT-1	NONE	NONE	NONE	GB-1	9'-0"	
104	FAMILY SHWR & RR	EP-1	CGT-1	GT-	GT-1	GT-1	GT-1	NONE	NONE	NONE	GB-1	9'-0"	
105	CHEM STOR.	SG-1	CMU-1	CMU-1	CMU-1	CMU-1	CMU-1	NONE	NONE	NONE	GB-1	9'-0"	
106	CHEM STOR.	SG-1	CMU-1	CMU-1	CMU-1	CMU-1	CMU-1	NONE	NONE	NONE	GB-1	9'-0"	
107	ELEC.	SG-1	CMU-1	CMU-1	CMU-1	CMU-1	CMU-1	NONE	NONE	NONE	GB-1	9'-0"	
108	MECHANICAL	SG-1	CMU-1	CMU-1	CMU-1	CMU-1	CMU-1	NONE	NONE	NONE	GB-1	9'-0"	
109	BREAK	SG-1	RB-1	P-1	P-1	P-2	P-2	BC-1	CTR-1	UP-1	GB-1	10'-0"	
110	FIRST AID	SG-1	RB-1	P-1	P-1	P-2	P-2	NONE	NONE	NONE	GB-1	10'-0"	

4

FINISH MATERIALS SCHEDULE

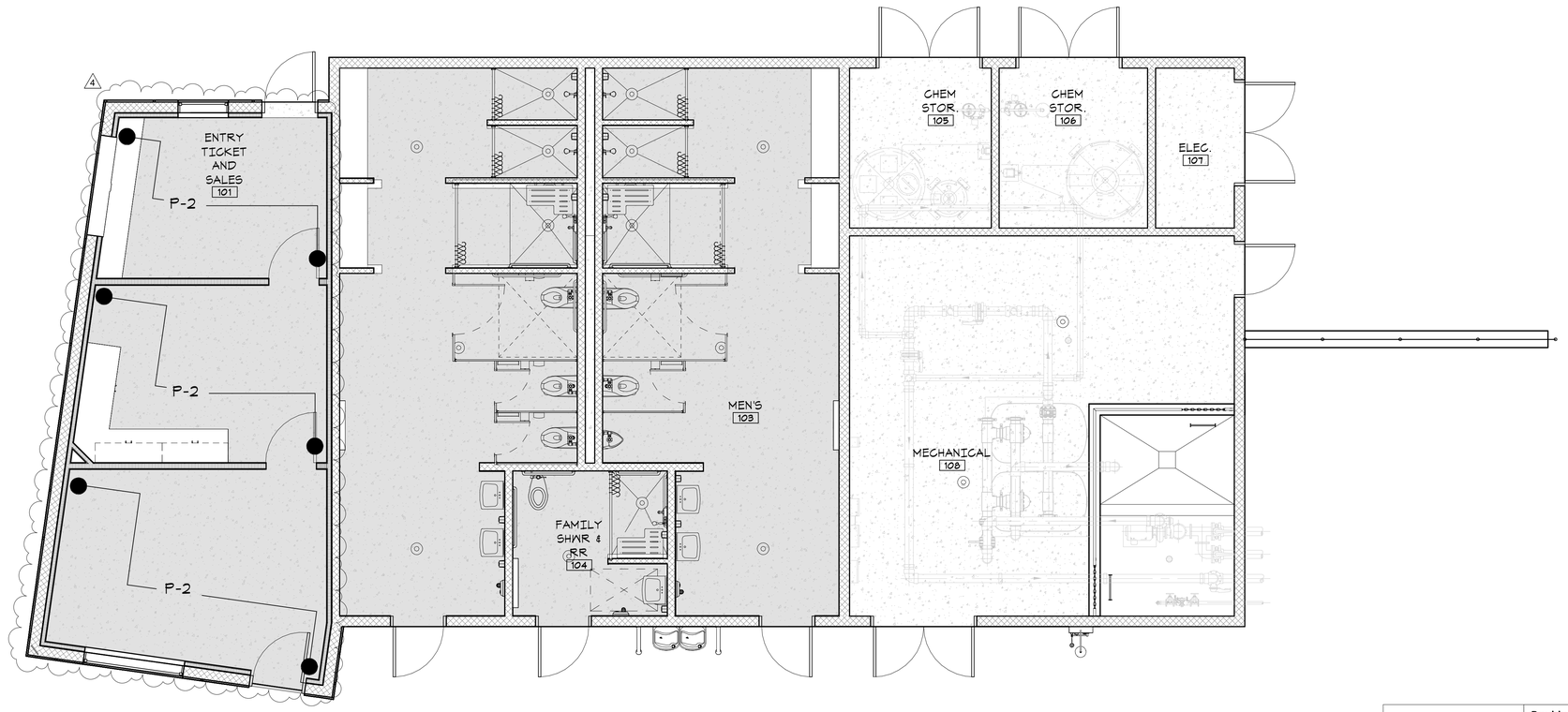
FINISHES	DESIGNATION	MATERIAL	MFR/PRODUCT	STYLE/COLOR	COMMENTS
BASE					
BASE	RB-1	RUBBER BASE	ALLSTATE RUBBER	A60	
CASEWORK					
CASEWORK	BC-1	P.LAM	NEVAMAR	TURQUOISE KINETIC AB4440T	
CASEWORK	C-1	SOLID SURFACE	CORIAN	EVEREST	
CASEWORK	UP-1	P.LAM	WILSONART	OCEAN D502K-18	
CEILING					
CEILING	GB-1	PAINT	BENJAMIN MOORE	CLOUD WHITE 967	
FLOOR					
FLOOR	EP-1	EPOXY FLOORING	DURA-FLEX	GLACIER	MICROCHIP
WALL					
WALL	CT-1	CERAMIC TILE	DALTILE	VARIES - SEE ELEVATION	EL HEX TILES
WALL	P-1	PAINT	BENJAMIN MOORE	CLOUD WHITE 967	
WALL	P-2	PAINT	BENJAMIN MOORE	BREWSTER GRAY HC-162	



1 A9.00 WALL TILE ELEVATION
1/2" = 1'-0"

LEGEND

- DALTILE - NATURAL HUES GINDER QH08
- DALTILE - NATURAL HUES AEGEAN QH41
- DALTILE - NATURAL HUES ICEBERG QH82
- DALTILE- NATURAL HUES MIST QH15



2 A9.00 FIRST FLOOR FINISH PLAN
1/4" = 1'-0"

GENERAL NOTES

CASEWORK

1. ALL CASEWORK TO FOLLOW AWS GUIDELINES.
2. ALL LAMINATE PATTERN TO RUN ***HORIZONTALLY*** UNLESS OTHERWISE NOTED.
3. ALL SOLID SURFACING TO HAVE SQUARE EDGING.
4. ALL OPEN CASEWORK TO HAVE MATCHING LAMINATE AS EXTERIOR FACING.
5. ALL INTERIOR CASEWORK MELAMINE TO BE WHITE.
6. CONTRACTOR TO MEET OR EXCEED NAAWS 3.0 CUSTOM OR PREMIUM GRADE STANDARDS

INTERIOR

1. ALL GYPSUM BOARD WALLS AND CEILINGS TO BE LEVEL 4 FINISH, UNLESS OTHERWISE NOTED.
2. ALL GYPSUM BOARD WALLS AND CEILINGS TO BE PAINTED P-1, UNLESS OTHERWISE NOTED.

LEGEND

- SPOT ELEVATION
- SEALED CONCRETE
- SEALED, COVED EPOXY

1

NOTES FOR ROOMS 105, 106, 107, AND 108:

ALL EXPOSED METAL TO BE COATED WITH A HIGH PERFORMANCE PAINT PRODUCT. SUBSTRATES ARE TO BE APPLIED DIRECTLY OVER FERROUS METALS. PAINTING PROCEDURE-

- PRIMER: TNEMEC SERIES 90-97 TNEME-ZINC (SHOP APPLIED) TWO PART MOISTURE - CURED
- SPOT PRIME: TNEMEC SERIES 94 H20 HYDRO-ZINC TWO-PART MOISTURE CURED ZINC-RICH URETHANE COATING
- INTERMEDIATE COAT: TNEMEC HI-BUILD EPOXOLINE II SERIES L69 TWOPART CATALYZED EPOXY
- SOLID COLOR FINISH COAT: TNEMEC ENDURA-SHIELD II SERIES 1080 WATERBORNE
- CLEAR COAT: TNEMEC SERIES 750UVX

ASCE 7-16 NON STRUCTURAL ITEMS LIST

-GUARD RAIL
-GRAB BARS
-ELECTRICAL WALL PANELS
-GROUND MOUNTED HVAC EQUIPMENT
-CEILINGS
-POOL WATER CIRCULATION GROUND MOUNTED EQUIPMENT
-WALL MOUNTED FAN COIL

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2/21/2023 CALA PROJECT NO. 21013

MCKINLEY PARK AND POOL RENOVATION

FINISH PLAN AND SCHEDULES

PERMIT REVIEW SET

LICENSED ARCHITECT ERIC WILLIAM WORTH C28388 September 2023 STATE OF CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By
1	PLAN CHECK	11/14/22	EB	EW
3	PLAN CHECK	2/21/23	EB	EW
4	CITY REVISIONS	4/13/23	EB	EW

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

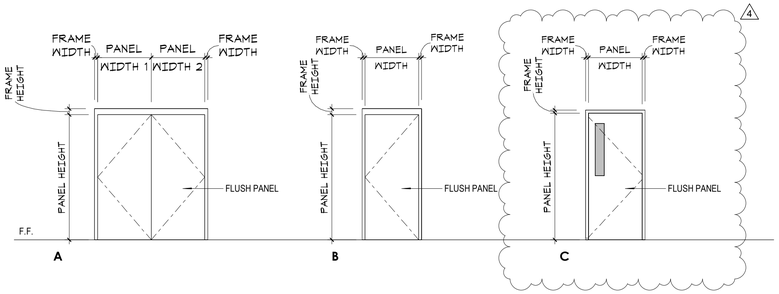
SCALE As indicated
DESIGNED BY EB
DRAWN BY EB
CHECKED BY EW, EB
RECORD DWGS.

APPROVED BY: 7/24/23 DATE
CITY ENGINEER
STOCKTON, CALIFORNIA

SHEET NO. A9.00
128 OF 158 SHTS
PROJECT NO. 5541.127C

DOOR SCHEDULE

NO.	TYPE	PANEL					FRAME	DETAILS				FIRE RATING	HDWR. GROUP	CLOSER	ELECTRIFICATION	COMMENTS
		DOOR WIDTH 1	DOOR WIDTH 2	HEIGHT	THICKNESS	CORE		HEAD	JAMB	THRESHOLD / SILL	MULLION					
101	B	3' - 0"		7' - 0"	1 3/4"	H.M.	H.M.						2		HINGE	
102	B	3' - 0"		7' - 0"	1 3/4"	H.M.	H.M.						2			
103	B	3' - 0"		7' - 0"	1 3/4"	H.M.	H.M.						2			
104	B	3' - 0"		7' - 0"	1 3/4"	H.M.	H.M.						2		1	
105	A	3' - 0"	3' - 0"	7' - 0"	1 3/4"	H.M.	H.M.						3	No		EPOXY COATED
106	A	3' - 0"	3' - 0"	7' - 0"	1 3/4"	H.M.	H.M.						3	No		EPOXY COATED
107	A	3' - 0"	3' - 0"	7' - 0"	1 3/4"	H.M.	H.M.						3	No		
108A	B	3' - 0"		7' - 0"	1 3/4"	H.M.	H.M.								1	EPOXY COATED
108B	A	3' - 0"	3' - 0"	7' - 0"	1 3/4"	H.M.	H.M.						3	No		EPOXY COATED
109	C	3' - 0"		7' - 0"	1 3/4"	H.M.										
110	C	3' - 0"		7' - 0"	1 3/4"	H.M.										
111	B	3' - 0"		7' - 0"	1 3/4"	H.M.	H.M.									



LDA - DOOR TYPES
1/4" = 1'-0"

NOTES:
- MOUNT HARDWARE 2'-10" TO 3'-8" A.F.F. PER 2019 CBC 11B-404.2.7
- PUSH-PULL HANDLES AND CLOSERS TO BE SINGLE-ACTION ACTIVATED WITH 5 LBS PRESSURE MAXIMUM. FIRE-RATED DOORS EXCLUDED. 3

SCHEDULE - HDWR GROUPS

HDWR - QTY	HDWR - TYPE	HDWR - DESCRIPTION	HDWR - FINISH	HDWR - MFR
GROUP 1				
1	STANDARD HINGE - ELECTRIFIED	BB1191 4 1/2" X 4 1/2" US 32D ETW-8	US32D	HAGER
2	STANDARD HINGE	BB1191 4 1/2" X 4 1/2" US 32D NRP	US32D	HAGER
1	CYLINDER	20-057 OPEN 626	626	SCHLAGE
1	SURFACE CLOSER	4040XP EDA 689 1-3/4"	689	LCN
2	KICKPLATE	8400 US32D B-CS 10X34	US32D	IVES
1	FLOOR DOOR STOP	F5444 US26D	US26D	IVES
1	THRESHOLD	158A36	A	PEMKO
1	WEATHERSTRIP	315CN-36XO	C	PEMKO
1	WEATHERSTRIP	588 BL17	BL	PEMKO
	EXIT DEVICE	AXRX-99-L-626 X DOOR - DT 1 3/4" - LH-M996L-NL-R/626-#17	626/626	VON
GROUP 2				
3	STANDARD HINGE	BB1191 4 1/2" X 4 1/2" US 32D NRP	US32D	HAGER
1	LATCHSET	ND10 SPA 626	626	SCHLAGE
1	SURFACE CLOSER	4040XP EDA 689 1-3/4"	689	LCN
2	KICKPLATE	8400 US32D B-CS 10X34	US32D	IVES
1	FLOOR DOOR STOP	F5444 US26D	US26D	IVES
1	THRESHOLD	158A36	A	PEMKO
1	WEATHERSTRIP	315CN-36XO	C	PEMKO
1	WEATHERSTRIP	588 BL17	BL	PEMKO
GROUP 3				
6	STANDARD HINGE	BB1191 4 1/2" X 4 1/2" US 32D NRP	US32D	HAGER
1	LOCKSET	ND96E P6 SPA 626	626	SCHLAGE
4	KICKPLATE	8400 US32D B-CS 10X34	US32D	IVES
2	FLOOR DOOR STOP	F5444 US26D	US32D	IVES
2	WEATHERSTRIP	420 APKL36		PEMKO
2	WEATHERSTRIP	588 BL17	BL	PEMKO

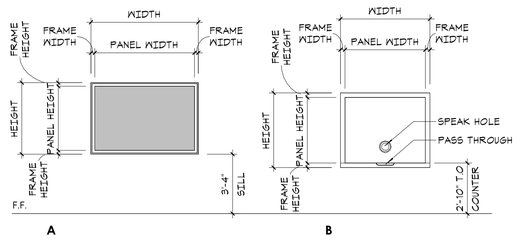
CODE = MANUFACTURE
VON = VON DUPRIN
HAG = HAGER
TR = TRIMCO
SCG = SCHLAGE
SCE = SCHLAGE ELECTRONICS
LCN = LCN
IVES = IVES
AL = ALTRONICS
PEM = PEMKO

DOOR NOTES:

- ALL DOORS THAT ARE HAND ACTIVATED SHALL BE OPERABLE WITH A SINGLE EFFORT BY A LEVER TYPE HARDWARE, PANIC BAR, PUSH/PULL ACTIVATING BARS OR OTHER HARDWARE DESIGNED TO PROVIDE PASSAGE WITHOUT REQUIRING THE ABILITY TO GRASP THE OPENING HARDWARE.
- MAXIMUM EFFORT TO OPERATE DOORS SHALL NOT EXCEED 5 LBS. FOR EXTERIOR AND INTERIOR DOORS, SUCH PULL OR PUSH EFFORT BEING APPLIED AT RIGHT ANGLES TO HINGED DOORS AND AT THE CENTER PLANE OF SLIDING OR FOLDING DOORS.
- COMPENSATING DEVICES OR AUTOMATIC DOOR OPERATORS MAY BE UTILIZED TO MEET THE ABOVE STANDARDS. WHEN FIRE DOORS ARE REQUIRED, THE MAXIMUM EFFORT TO OPERATE THE DOOR MAY BE INCREASED NOT TO EXCEED 15 LBS.
- EXIT DOORS SHALL BE FURNISHED & INSTALLED WITH HARDWARE ALLOWING DOOR TO BE OPENED FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT. PAIRS OF EXIT DOORS SHALL BE FURNISHED & INSTALLED WITH APPROVED AUTOMATIC FLUSH BOLTS ON ONE OF THE DOOR LEAVES AND NO SURFACE MOUNTED HARDWARE INSTALLED ON THE SAME LEAF. THE UNLATCHING OF BOTH DOOR LEAVES SHALL NOT REQUIRE MORE THAN ONE OPERATION.
- FURNISH & INSTALL A READILY VISIBLE, DURABLE SIGN ABOVE EXIT DOORS STATING "THIS DOOR MUST REMAIN UNLOCKED DURING BUSINESS HOURS". THE SIGN SHALL BE IN LETTERS NOT LESS THAN1 INCH HIGH ON A CONTRASTING BACKGROUND. WHEN UNLOCKED, THE EXIT DOOR(S) MUST BE FREE TO SWING WITHOUT OPERATION OF ANY LATCHING DEVICE.
- THE FINISH OF ALL ALUMINUM STOREFRONT DOOR FRAMES SHALL BE CLEAR ANODIZED, U.O.N.
- STOREFRONT DOOR LOCKS SHALL BE FURNISHED WITH A 3/4" HOOK OR EXPANDING BOLT TO COMPLY WITH FIRE DEPARTMENT REQUIREMENTS.
- REFER TO STOREFRONT SCHEDULE FOR GLASS TYPES.
- ALL GLAZING IN DOOR LITES SHALL BE TEMERED GLASS.
- REFER TO SHEET G4.00 & G4.01 FOR ACCESSIBILITY NOTES & DETAILS.

WINDOW SCHEDULE

NO.	HEAD HEIGHT	SIZE		FRAME		GLAZING		COMMENTS
		WIDTH	HEIGHT	MATERIAL	FINISH	OPERABLE	FIXED	
1	7' - 4"	3' - 0"	4' - 0"	ALUM.	ANODIZED		X	
2	7' - 0"	6' - 0"	4' - 0"	ALUM.	ANODIZED		X	SERVICE WINDOW WITH PERFORATIONS
3	7' - 4"	6' - 0"	4' - 0"	ALUM.	ANODIZED		X	



WINDOW TYPES
1/4" = 1'-0"

WINDOW NOTES

1. ALL GLAZING SHALL COMPLY WITH SAFETY GLAZING REQUIREMENTS OF CHAPTER 24 OF THE CALIFORNIA STATE BUILDING CODE OF REGULATIONS AND THE CONSUMER PRODUCTS SAFETY COUNCIL, THAT OCCUR IN THE FOLLOWING CONDITIONS:

   A. INGRESS AND EGRESS DOORS (EXCEPT JALOUSIES).

   B. FIXED AND SLIDING PANELS OF SLIDING DOOR ASSEMBLIES AND PANELS IN SWINGING DOORS OTHER THAN WARDROBE.

   C. FIXED OR OPERABLE PANELS ADJACENT TO A DOOR WHERE THE NEAREST EXPOSED EDGE OF THE GLAZING IS WITHIN A 24" ARC OF EITHER VERTICAL EDGE OF THE DOOR IN A CLOSED POSITION AND WHERE THE BOTTOM EXPOSED EDGE OF THE GLAZING IS LESS THAN 60" ABOVE THE WALKING SURFACE.

   D. GLAZING IN INDIVIDUAL FIXED OR OPERABLE PANEL, OTHER THAN THOSE LOCATIONS DESRIBED IN ITEM 'C' THAT MEETS ALL THE FOLLOWING CONDITIONS:

      a. EXPOSED AREA OF AN INDIVIDUAL PANE GREATER THAN 9 S.F.

      b. EXPOSED BOTTOM EDGE LESS THAN 18" ABOVE THE FLOOR

      c. EXPOSED TOP EDGE GREATER THAN 36" ABOVE THE FLOOR

      d. ONE OR MORE WALKING SURFACES WITHIN 36" HORIZONTAL OF THE PLANE OF THE GLAZING

2. STOREFRONT ALUMINUM WINDOW FRAMES SHALL BE 2" MAX. WIDTH BY 6" DEEP MULLIONS WITH OUTSIDE GLAZED SETTING.

3. CURTAIN WALL ALUMINUM FRAMES SHALL BE 2-1/2" WIDE X 7-1/2" DEEP U.O.N.

4. ALL GLAZING SHALL BE 1" TEMPERED INSULATED GLASS.

5. HORIZONTAL SHALL HAVE 3" PRESSURE CAP. VERTICAL SHALL HAVE 1" PRESSURE CAP.

6. GLAZING COLOR-
   INTERIOR- 1: CLEAR
   2: AIR
   EXTERIOR: 3: SOLAR GRAY

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2/21/2023

CALA PROJECT NO. 21013

MCKINLEY PARK AND POOL RENOVATION

DOOR AND WINDOWS SCHEDULE

PERMIT REVIEW SET

LICENSED ARCHITECT ERIC WILLIAM KNOWLES C28388 September 2023 STATE OF CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By
1	PLAN CHECK	11/14/22	EB	EW
3	PLAN CHECK	2/21/23	EB	EW
4	CITY REVISIONS	4/13/23	EB	EW

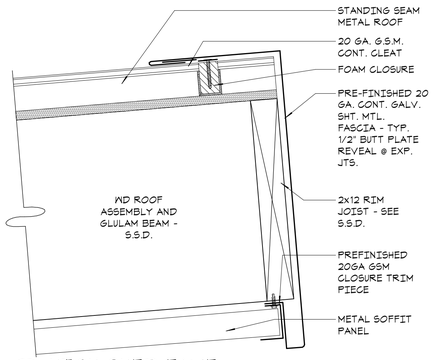
DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	1/4" = 1'-0"
DESIGNED BY	EB
DRAWN BY	EB
CHECKED BY	EW, EB
RECORD DWGS.	

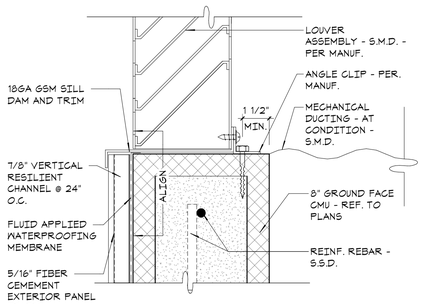
APPROVED BY: 7/24/23
DATE
CITY ENGINEER
STOCKTON, CALIFORNIA

SHEET NO. A9.01 129 OF 158 SHTS

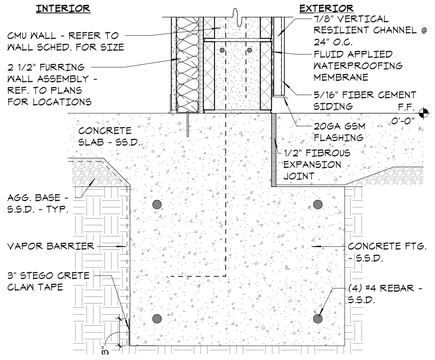
PROJECT NO. 5541.128C



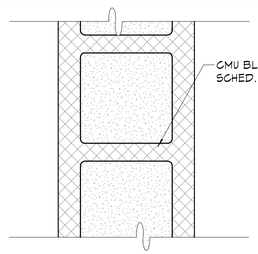
17 AD.01 HIGH SHED EAVE
3" = 1'-0"



13 AD.01 LOUVER SILL @ CMU
3" = 1'-0"

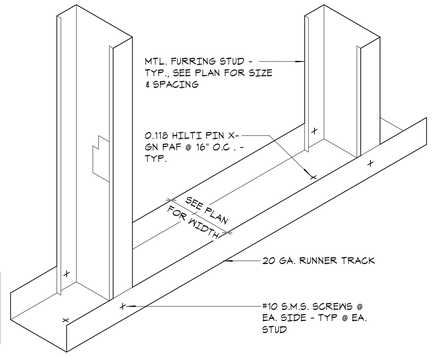


9 AD.01 CONC. FOOTING @ WALK & FURRING
1 1/2" = 1'-0"

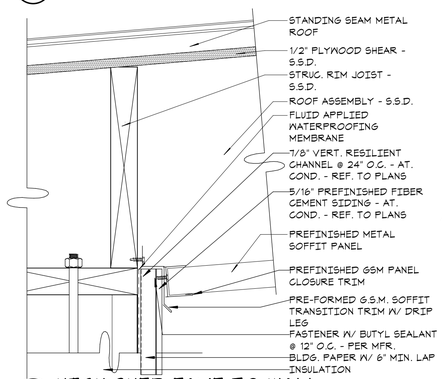


TYPE	DESCRIPTION	FIRE RTNG.	INS UL.
CM4.2	6x8x16 CMU WALL - 6" ABV CEILING	N/A	N/A
CM6.2	6x8x16 CMU WALL - 6" ABV CEILING	N/A	N/A
CM8.1	8x8x16 CMU WALL FULL HT	N/A	N/A

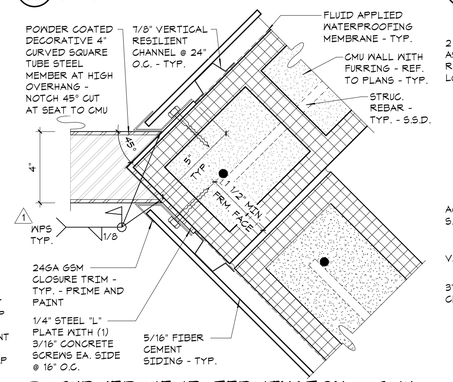
5 AD.01 CMU WALL TYPE
3" = 1'-0"



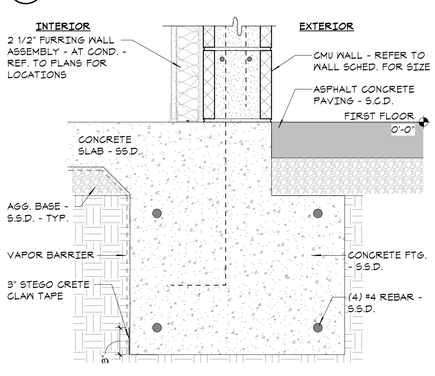
1 AD.01 BOTTOM TRACK
3" = 1'-0"



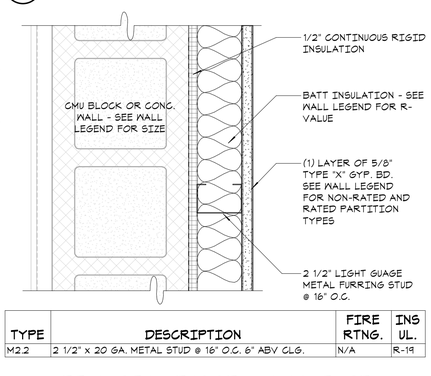
18 AD.01 HIGH SHED EAVE TO WALL
3" = 1'-0"



14 AD.01 CURVED MEMB. TERMINATON @ CMU
3" = 1'-0"

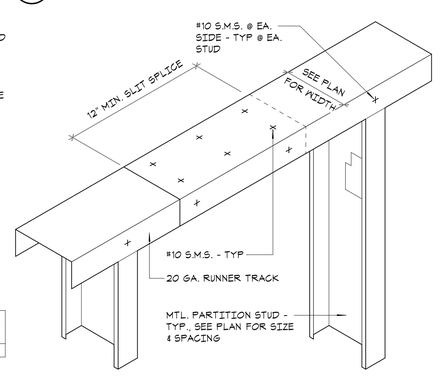


10 AD.01 CONC. FOOTING @ AC
1 1/2" = 1'-0"

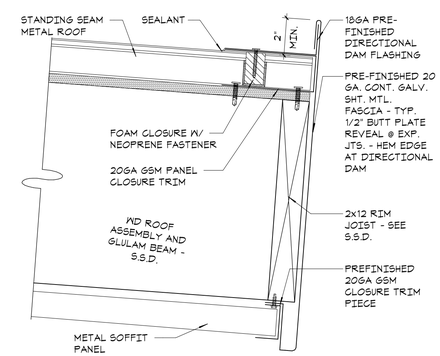


TYPE	DESCRIPTION	FIRE RTNG.	INS UL.
M2.2	2 1/2" x 20 GA. METAL STUD @ 16" O.C. 6" ABV CLG.	N/A	R-19

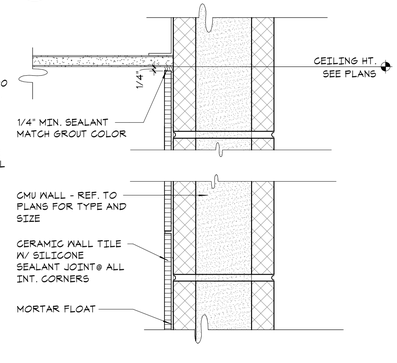
6 AD.01 METAL STUD FURRED WALL TYPE
3" = 1'-0"



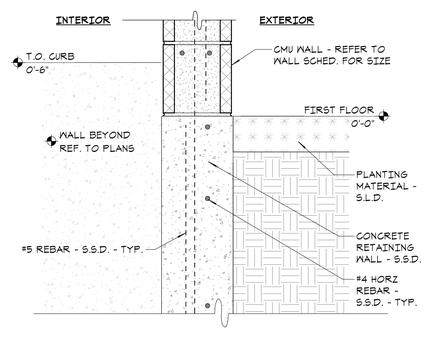
2 AD.01 TOP TRACK SPLICE
3" = 1'-0"



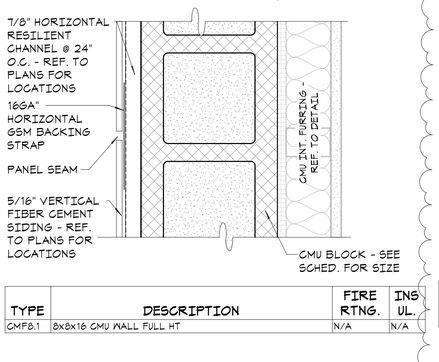
19 AD.01 FASCIA AND DAM @ LOW EAVE
3" = 1'-0"



15 AD.01 TILE TRANSITION AT CEILING
3" = 1'-0"

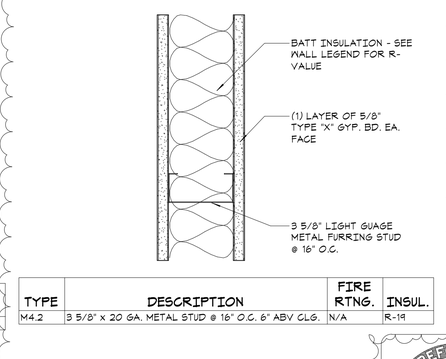


11 AD.01 CONC. RET. WALL @ LANDSCAPE
1 1/2" = 1'-0"



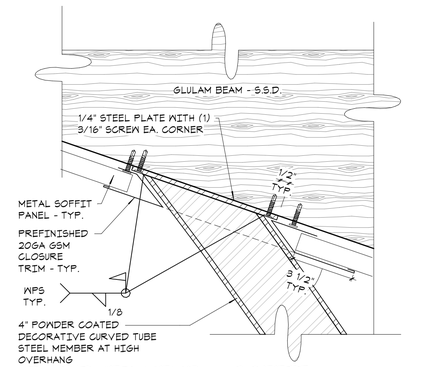
TYPE	DESCRIPTION	FIRE RTNG.	INS UL.
CMF8.1	8x8x16 CMU WALL FULL HT	N/A	N/A

7 AD.01 CMU WALL TYPE
3" = 1'-0"

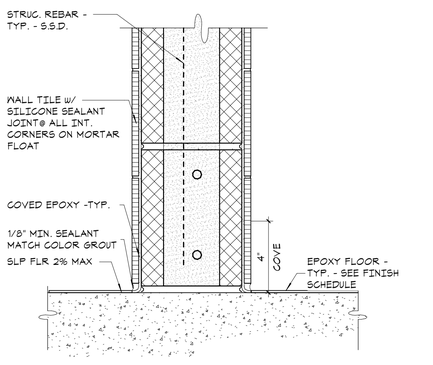


TYPE	DESCRIPTION	FIRE RTNG.	INSUL.
M4.2	3 5/8" x 20 GA. METAL STUD @ 16" O.C. 6" ABV CLG.	N/A	R-19

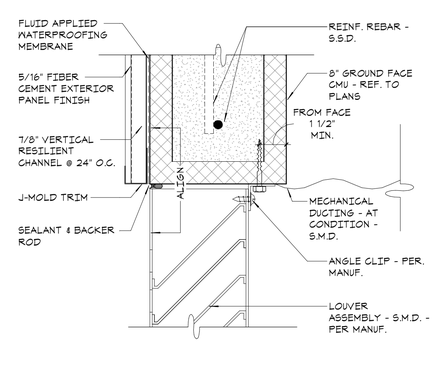
3 AD.01 MTL STUD INT. WALL TYPE
3" = 1'-0"



20 AD.01 CURVED MEMB. @ SOFFIT
3" = 1'-0"



16 AD.01 WALL TILE AT BASE
3" = 1'-0"



12 AD.01 LOUVER HEAD & JAMB @ CMU
3" = 1'-0"

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2/21/2023 CALA PROJECT NO. 21013

MCKINLEY PARK AND POOL RENOVATION

DETAILS

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

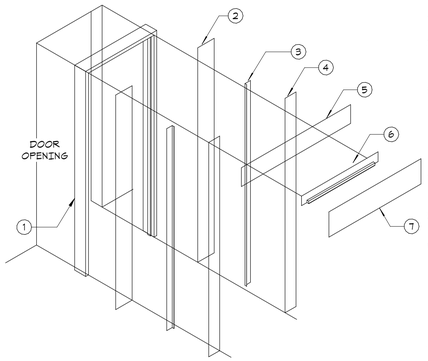
PERMIT REVIEW SET

LICENSED ARCHITECT ERIC WILLIAM RONEY C28388 September 2023 STATE OF CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By
1	PLAN CHECK	11/14/22	EB	EW
3	PLAN CHECK	2/21/23	EB	EW
4	CITY REVISIONS	4/13/23	EB	EW

SCALE	As indicated	APPROVED BY: 7/24/23	SHEET NO.
DESIGNED BY	EB	DATE	AD.01
DRAWN BY	EB		130 OF 158 SHTS
CHECKED BY	EW, EB	CITY ENGINEER	
RECORD DWGS.		STOCKTON, CALIFORNIA	PROJECT NO.

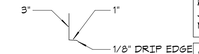
5541.129C



1) DOOR - SEE DOOR SCHEDULE

2) FLEXIBLE BITUMINOUS BASE JAMB FLASHING PER MANUF. SPECIFICATIONS

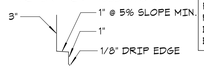
3) FLEXIBLE FLASHING - HGT. OF DOOR - PRIME & PAINT - TYP.



4) FLEXIBLE BITUMINOUS JAMB FLASHING PER MANUF. SPECIFICATIONS

5) BITUMINOUS BASE HEAD FLASHING PER MANUF. SPECIFICATIONS

6) FLEXIBLE FLASHING W/ SOLDERED 'END DAMS' - WIDTH OF DOOR - PRIME & PAINT - SEE 3/AD.03



7) FLEXIBLE BITUMINOUS HEAD FLASHING PER MANUF SPECIFICATIONS

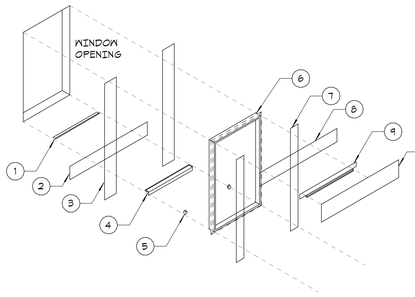
NOTE
LAP ALL SHEET METAL FLASHINH 3" (MIN.) W/ BITUMINOUS MEMBRANE FLASHING-TYP. U.O.N.

NOTE
INTEGRATE WINDOW FLASHING WEATHER-BOARD FASHION AT HEAD, JAMB, & SILL W/ BUILDING PAPER PER MANUF. SPECIFICATIONS

*** NOTE ***
FLASHING DETAILS ARE DIAGRAMATIC. ALL FLASHING SHALL BE CONSTRUCTED IN ACCORDANCE W/ SHEET METAL & AIR CONDITIONING CONTRACTORS' NATIONAL ASSOCIATION (SMACNA) MANUAL

*** NOTE ***
FLASHING SEQUENCE IS DIAGRAMATIC. FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR WIDTH & LAP DIMENSIONS OF BITUMINOUS FLASHING, BUILDING PAPER AND SEALANT.

17 AD.02 TYP. DOOR FLASHING SEQUENCE
1/2" = 1'-0"



1) 1/2"X2"XOPENING WIDTH 24GA. GALV. SHT. MTL. SILL DAM

2) BITUMINOUS BASE SILL FLASHING PER MANUF. SPECIFICATIONS

3) BITUMINOUS BASE JAMB FLASHING PER MANUF. SPECIFICATIONS

4) G.S.M. SILL DAM FLASHING - LEG UP ON THREE SIDES - SEE DTL. 9/AD.04

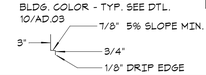
5) BITUMINOUS CIRCLE CORNER FLASHING - TYP. @ SILL INSIDE & OUTSIDE CORNERS

6) WINDOW - EMBED IN CONT. BEAD OF SEALANT - SEAL FASTENERS - PER MANUF. SPECIFICATIONS

7) BITUMINOUS JAMB FLASHING PER MANUF. SPECIFICATIONS

8) BITUMINOUS BASE HEAD FLASHING PER MANUF. SPECIFICATIONS

9) 24GA. GALV. SHT. MTL. FLASHING W/ SOLDERED 'END DAMS' - WIDTH OF WINDOW - PRIME & PAINT BLDG. COLOR - TYP. SEE DTL. 10/AD.03



10) BITUMINOUS HEAD FLASHING PER MANUF. SPECIFICATIONS

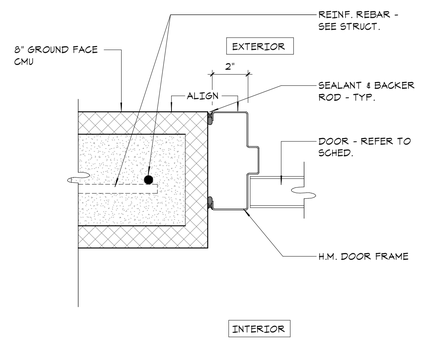
11) INTEGRATE WINDOW FLASHING WEATHER-BOARD FASHION AT HEAD & SILL W/ BUILDING PAPER PER MANUF. SPECIFICATIONS

*** NOTE ***
FLASHING SEQUENCE IS DIAGRAMATIC. FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR WIDTH & LAP DIMENSIONS OF BITUMINOUS FLASHING, BUILDING PAPER AND SEALANT.

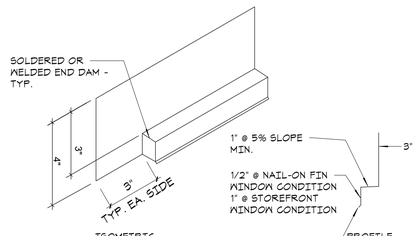
*** NOTE ***
LAP ALL SHEET METAL FLASHING 3" (MIN.) W/ BITUMINOUS MEMBRANE FLASHING. -TYP. U.O.N.

*** NOTE ***
FLASHING DETAILS ARE DIAGRAMATIC. ALL FLASHING SHALL BE CONSTRUCTED IN ACCORDANCE W/ SHEET METAL & AIR CONDITIONING CONTRACTORS' NATIONAL ASSOCIATION (SMACNA) MANUAL

18 AD.02 TYP. WINDOW FLASHING SEQUENCE
1" = 1'-0"



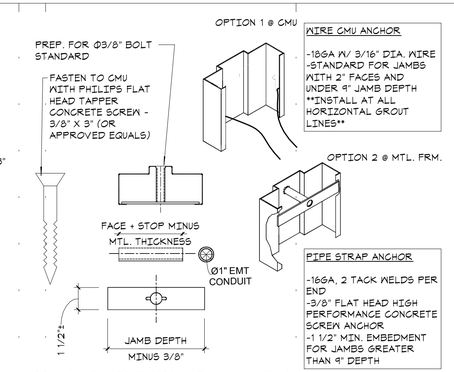
8 AD.02 H.M. DOOR JAMB @ CMU
3" = 1'-0"



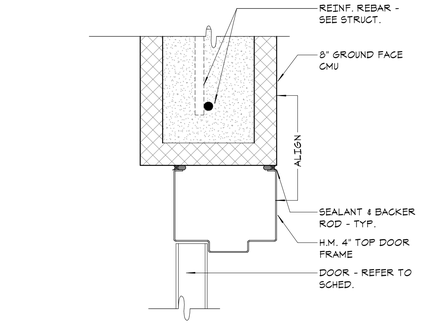
NOTE
GALV. SHT. MTL. FLASHING @ HOLLOW STEEL DOORS - TYP. ALUMINUM FLASHING @ WINDOWS

*** NOTE ***
FLASHING DETAILS ARE DIAGRAMATIC. ALL FLASHING SHALL BE CONSTRUCTED IN ACCORDANCE W/ SHEET METAL & AIR CONDITIONING CONTRACTORS' NATIONAL ASSOCIATION (SMACNA) MANUAL

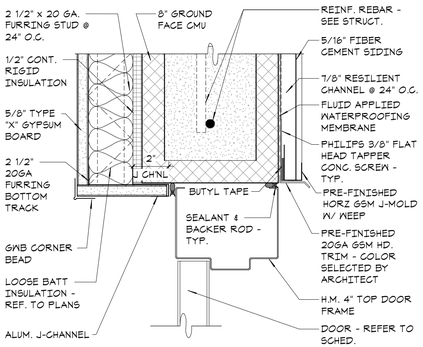
5 AD.02 TYP. OPENING HEAD FLASHING
3" = 1'-0"



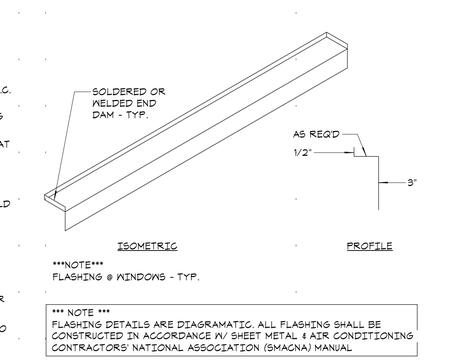
1 AD.02 TYP. DOOR FRAME FASTEN
6" = 1'-0"



9 AD.02 H.M. DOOR HEAD @ CMU
3" = 1'-0"



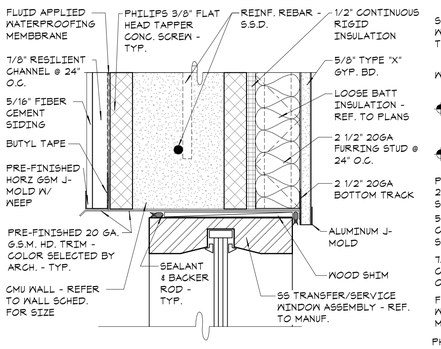
6 AD.02 H.M. DOOR HEAD @ CMU W/FUR.
3" = 1'-0"



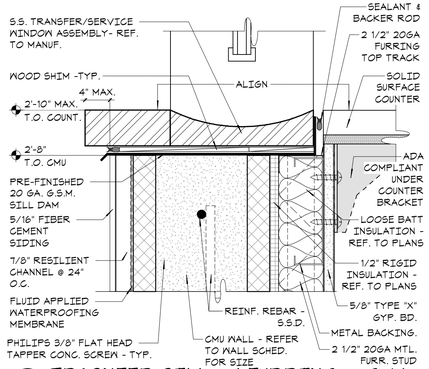
NOTE
FLASHING @ WINDOWS - TYP.

*** NOTE ***
FLASHING DETAILS ARE DIAGRAMATIC. ALL FLASHING SHALL BE CONSTRUCTED IN ACCORDANCE W/ SHEET METAL & AIR CONDITIONING CONTRACTORS' NATIONAL ASSOCIATION (SMACNA) MANUAL

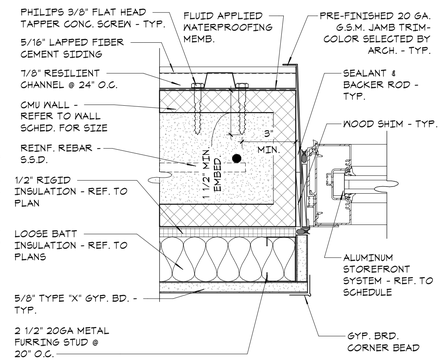
2 AD.02 TYP. WINDOW SILL FLASHING
3" = 1'-0"



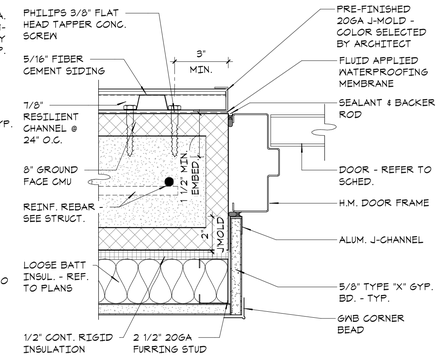
19 AD.02 TRANSFER HD. W/ FURRING @ CMU
3" = 1'-0"



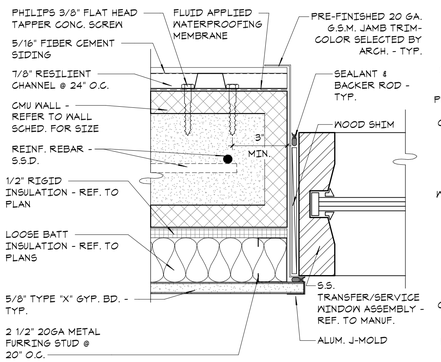
15 AD.02 TRASNFER SILL W/ FURRING @ CMU
3" = 1'-0"



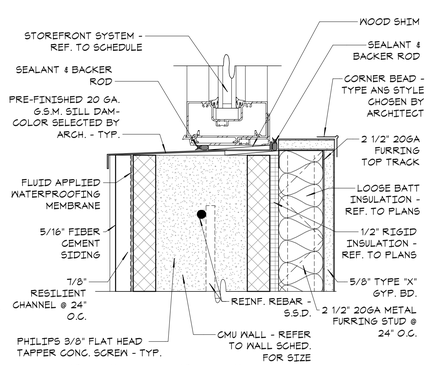
10 AD.02 S.F. JAMB W/ FURRING @ CMU
3" = 1'-0"



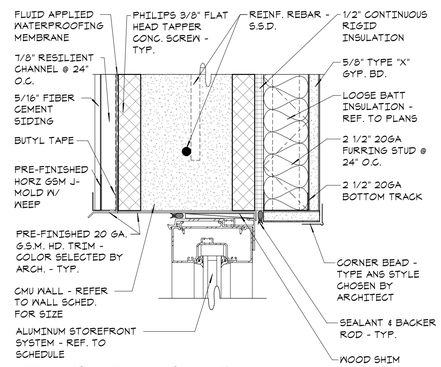
7 AD.02 H.M. DOOR JAMB @ CMU W/FURRING
3" = 1'-0"



20 AD.02 TRANSFER JAMB W/ FURRING @ CMU
3" = 1'-0"



16 AD.02 S.F. SILL W/ FURRING @ CMU
3" = 1'-0"



11 AD.02 S.F. HD. W/ FURRING @ CMU
3" = 1'-0"

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2/21/2023

CALA PROJECT NO. 21013

MCKINLEY PARK AND POOL RENOVATION

DETAILS

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

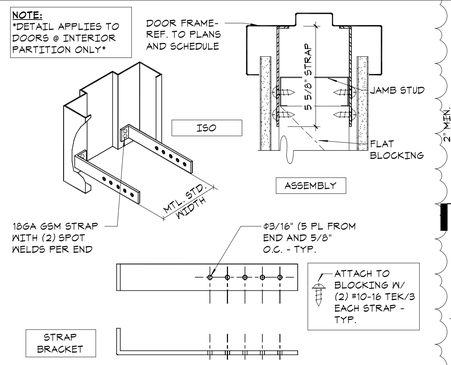
PERMIT REVIEW SET

LICENSED ARCHITECT
ERIC WILLIAM KRONE
C28388
September 2023
STATE OF CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By

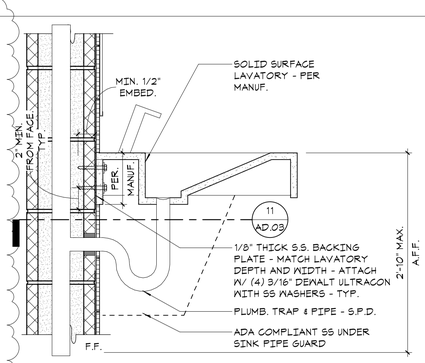
SCALE	As indicated	APPROVED BY: 7/24/23	SHEET NO.
DESIGNED BY	EB	DATE	AD.02
DRAWN BY	EB		131 OF 158 SHTS
CHECKED BY	EW, EB	CITY ENGINEER	
RECORD DWGS.		STOCKTON, CALIFORNIA	PROJECT NO.

5541.130C



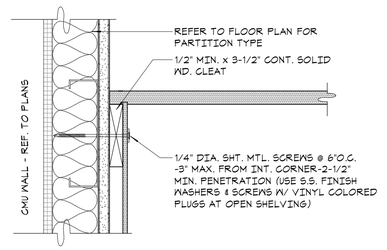
17 AD.03 INT. DOOR JAMB FASTEN. STRAP

3" = 1'-0"



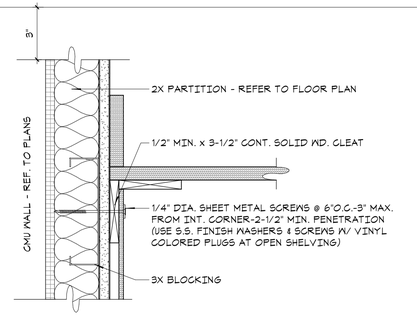
13 AD.03 LAVATORY MOUNTING AT CMU

1 1/2" = 1'-0"



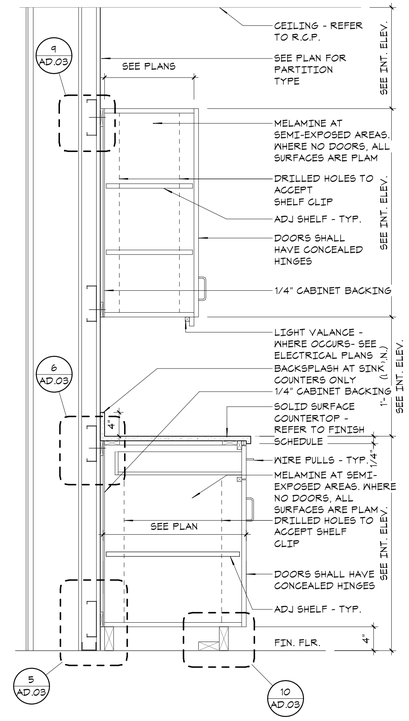
9 AD.03 UPPER CABINET TOP & BOTTOM

3" = 1'-0"



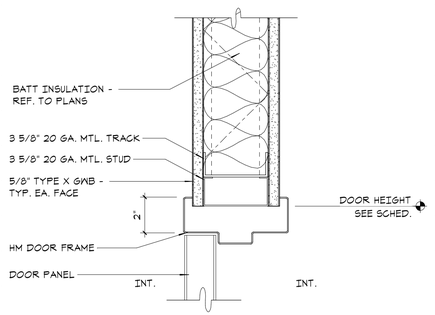
4 AD.03 BASE CAB. ANCHORAGE

3" = 1'-0"



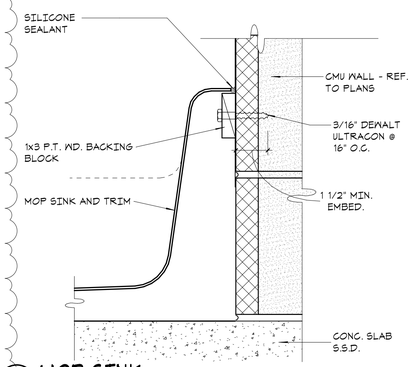
2 AD.03 BASE & UPPER CAB. SECTION

1" = 1'-0"



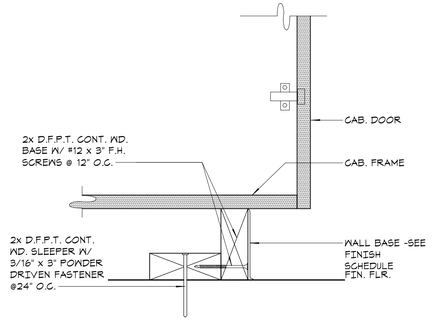
18 AD.03 H.M. MTL. JAMB AT GYP. BD.

3" = 1'-0"



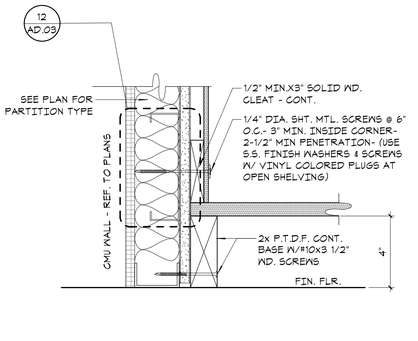
14 AD.03 MOP SINK

3" = 1'-0"



10 AD.03 BASE CABINET @ TOE KICK

3" = 1'-0"

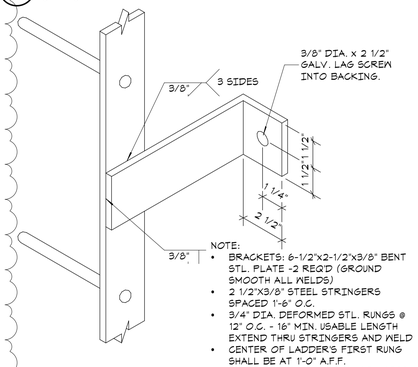


5 AD.03 BASE CAB. WALL LOWER ANCHOR

3" = 1'-0"

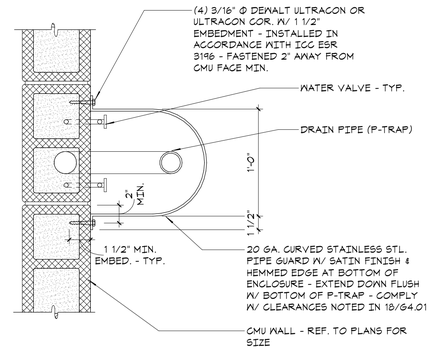
19 AD.03 H.M. HEAD AT GYP. BD.

3" = 1'-0"



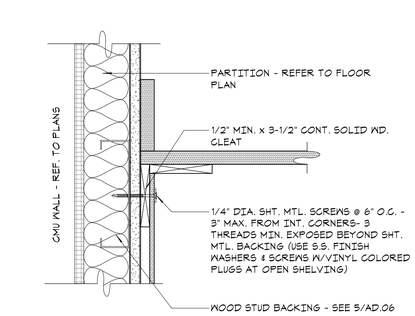
15 AD.03 STEEL LADDER WALL ANCHOR

3" = 1'-0"



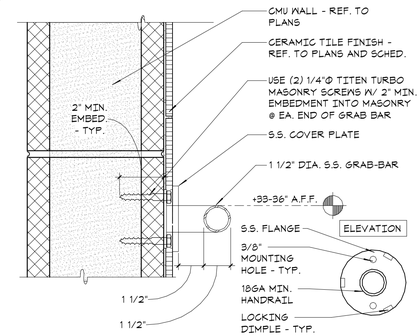
11 AD.03 LAVATORY PIPE ENCLOSURE

1 1/2" = 1'-0"



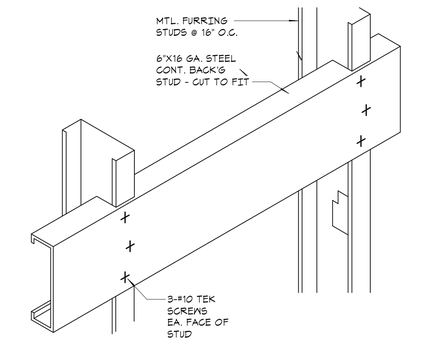
6 AD.03 BASE CABINET @ COUNTER

3" = 1'-0"



16 AD.03 GRAB BAR AT CMU AND TILE

3" = 1'-0"



12 AD.03 TYP. METAL STUD BACKING

1" = 1'-0"

4 1

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2/21/2023 CALA PROJECT NO. 21013

MCKINLEY PARK AND POOL RENOVATION

DETAILS

PERMIT REVIEW SET

LICENSED ARCHITECT ERIC WILLIAM WONG C28388 September 2023 STATE OF CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By
1	PLAN CHECK	11/14/22	EB	EW
3	PLAN CHECK	2/21/23	EB	EW
4	CITY REVISIONS	4/13/23	EB	EW

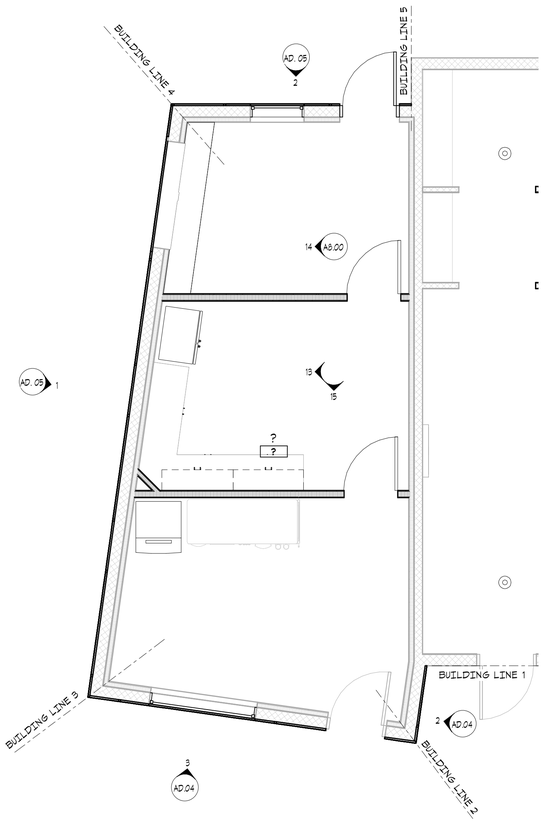
DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	As indicated
DESIGNED BY	EB
DRAWN BY	EB
CHECKED BY	EW, EB
RECORD DWGS.	

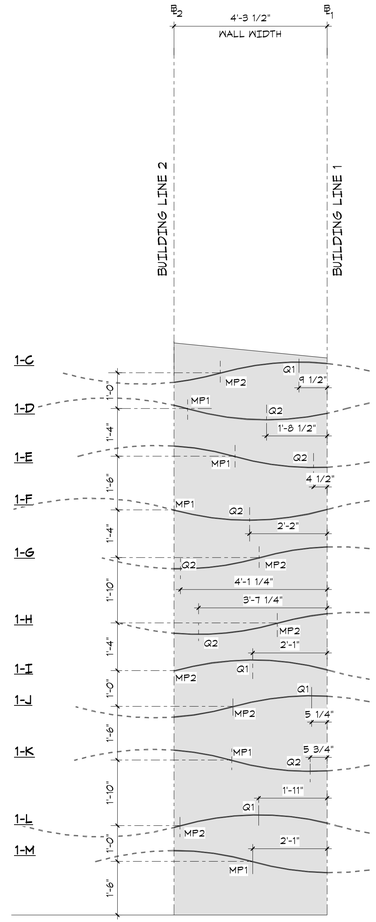
APPROVED BY: DATE 7/24/23
CITY ENGINEER
STOCKTON, CALIFORNIA

SHEET NO. AD.03 132 OF 158 SHTS

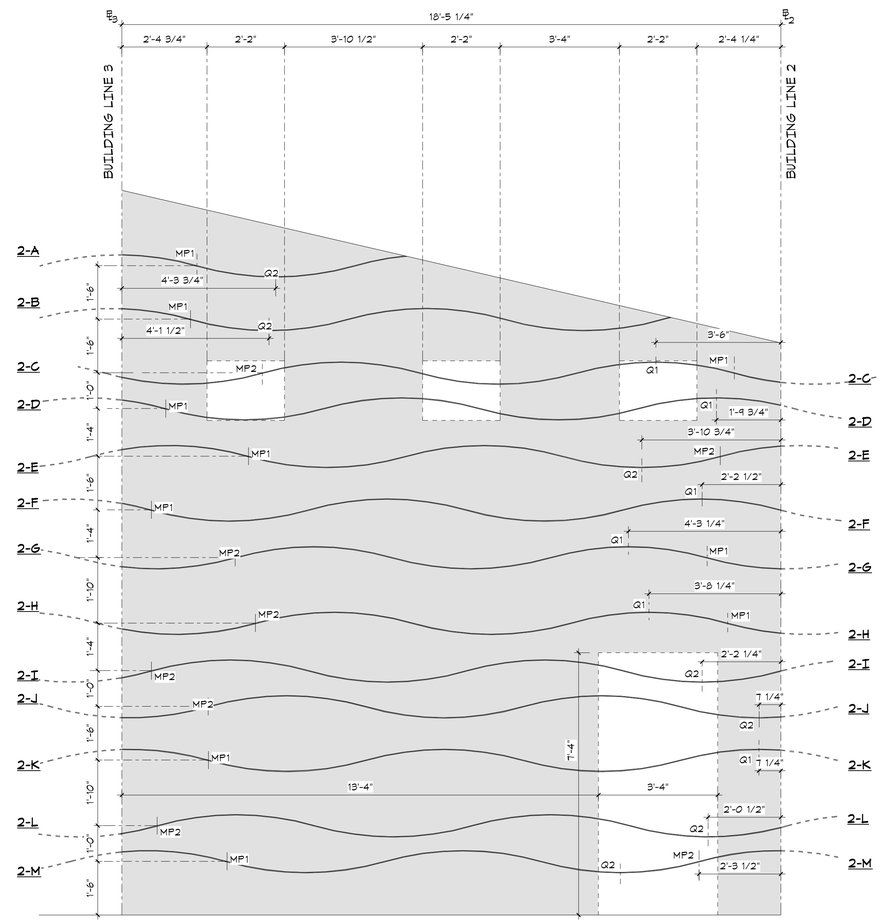
PROJECT NO. 5541.131C



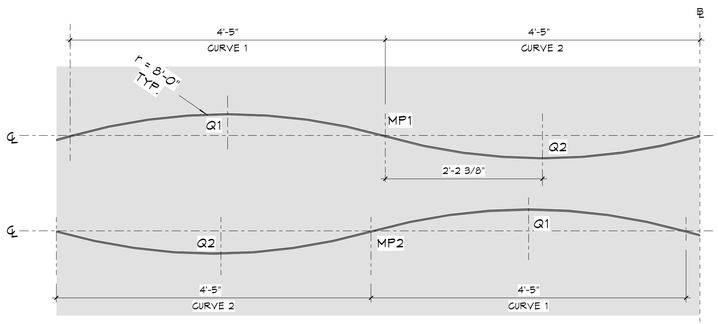
1 AD.04 ENTRY TICKET & SALES FLOORPLAN
1/4" = 1'-0"



2 AD.04 WALL 1 - CURVE TEMPLATE
1/2" = 1'-0"



3 AD.04 WALL 2 - CURVE TEMPLATE
1/2" = 1'-0"



LEGEND:

Q1 - CURVE 1 QUADRANT
Q2 - CURVE 2 QUADRANT
MP1 - MIDPOINT 1 ; B/N Q1 & Q2
MP2 - MIDPOINT 2 ; B/N Q2 & Q1
B - BUILDING LINE

CURVE TEMPLATE LEGEND
1" = 1'-0"

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2/21/2023

CALA PROJECT NO. 21013

MCKINLEY PARK AND POOL RENOVATION

FIBER CEMENT CUT TEMPLATE

PERMIT REVIEW SET

LICENSED ARCHITECT ERIC WILLIAM WONG C28388 September 2023 STATE OF CALIFORNIA

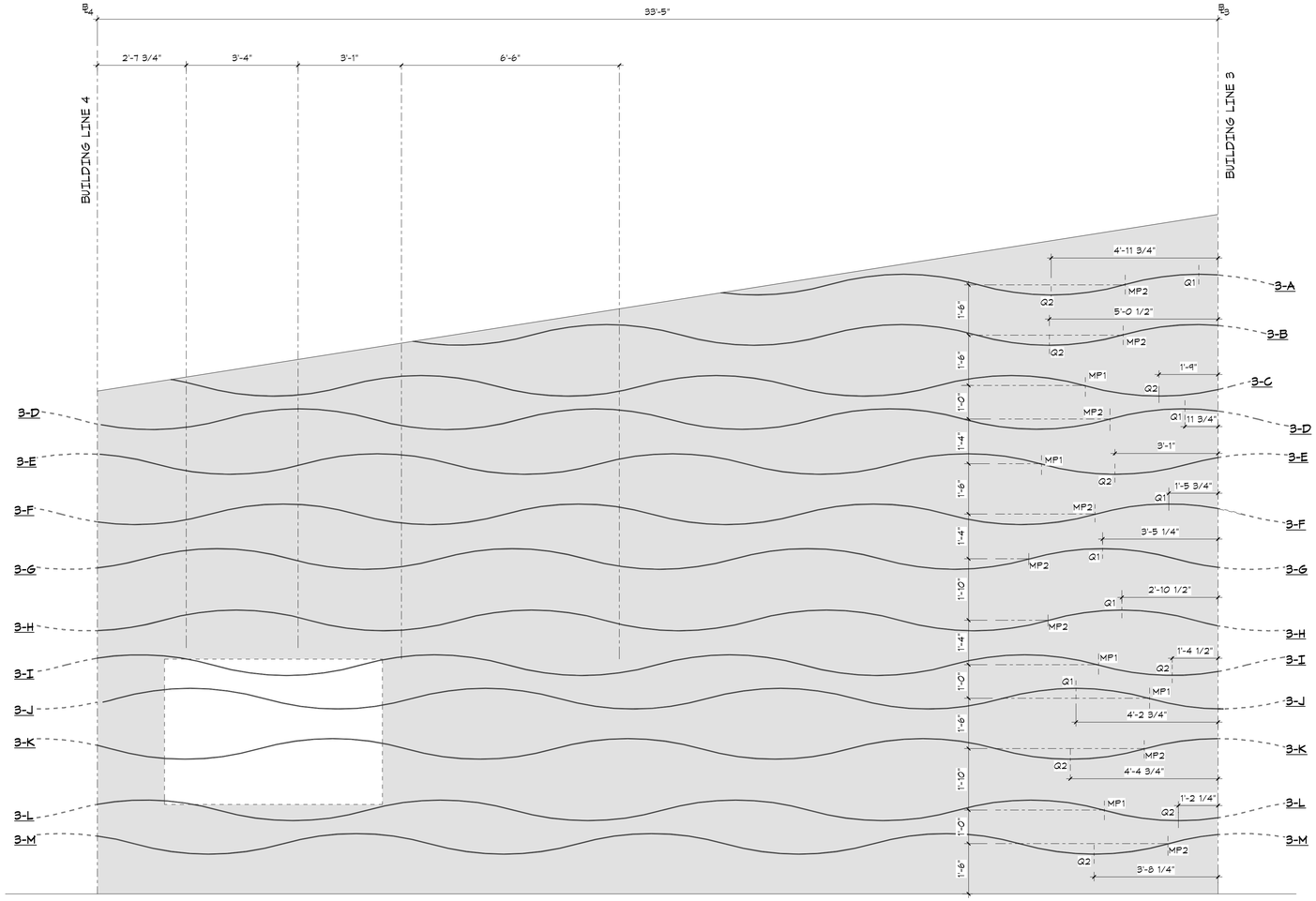
Revision No.	Description	Date	By	Aprvd. By
1	PLAN CHECK	11/14/22	EB	EW
3	PLAN CHECK	2/21/23	EB	EW
4	CITY REVISIONS	4/13/23	EB	EW

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

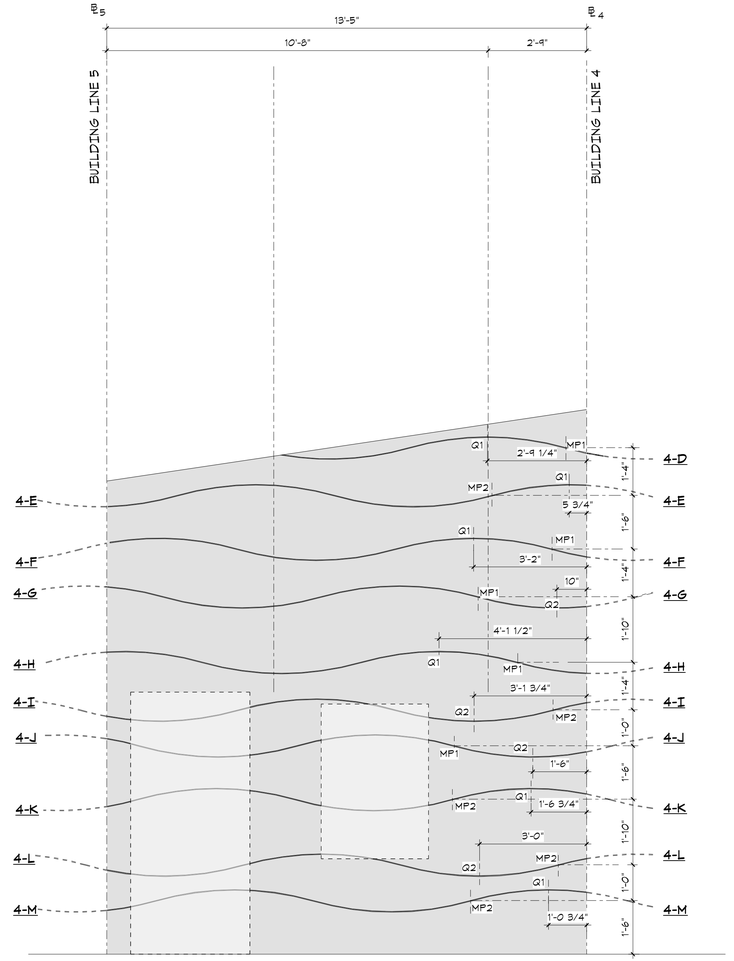
SCALE	As indicated
DESIGNED BY	EB
DRAWN BY	EB
CHECKED BY	EW, EB
RECORD DWGS.	

APPROVED BY: 7/24/23 DATE
CITY ENGINEER
STOCKTON, CALIFORNIA

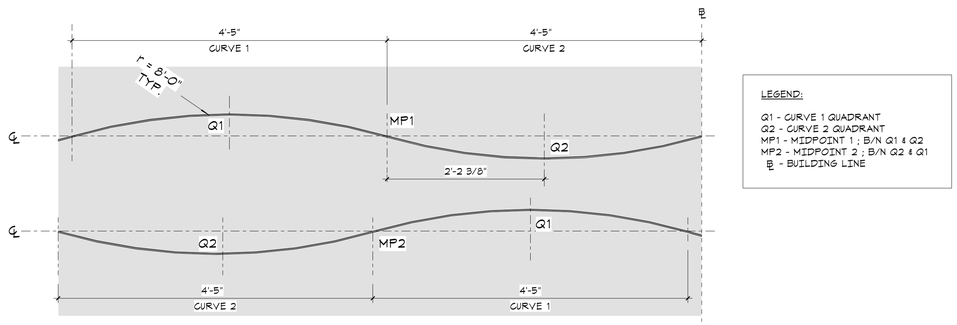
SHEET NO. AD.04
133 OF 158 SHTS
PROJECT NO. 5541.132C



1 WALL 3 - CURVE TEMPLATE
AD. 05 1/2" = 1'-0"



2 WALL 4 - CURVE TEMPLATE
AD. 05 1/2" = 1'-0"



LEGEND:

Q1 - CURVE 1 QUADRANT
Q2 - CURVE 2 QUADRANT
MP1 - MIDPOINT 1 ; B/N Q1 & Q2
MP2 - MIDPOINT 2 ; B/N Q2 & Q1
EB - BUILDING LINE

CURVE TEMPLATE LEGEND
1" = 1'-0"

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2/21/2023

CALA PROJECT NO. 21013

MCKINLEY PARK AND POOL RENOVATION

FIBER CEMENT CUT TEMPLATE

PERMIT REVIEW SET

LICENSED ARCHITECT ERIC WILLIAM WONG C28388 September 2023 STATE OF CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By
1	PLAN CHECK	11/14/22	EB	EW
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4	CITY REVISIONS	4/13/23	EB	EW

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	As indicated
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APPROVED BY: 7/24/23 DATE
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SHEET NO. AD. 05
134 OF 158 SHTS
PROJECT NO. 5541.133C

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Table 2304.9.10.1 - Fastening Schedule 2019 C.B.C.

	Connection	Fastening (a.), (m.)
1	JOIST TO SILL OR GIRDER, TOENAIL	3 - 8d common, 3 - 3" x 0.131" nails, 3 - 3" 14 gage staples
2	BRIDGING TO JOIST, TOENAIL EACH END	2 - 8d common, 2 -3 " x 0.131" nails, 2 - 3" 14 gage staples
3	1" x 6" SUBFLOOR OR LESS TO EACH JOIST, FACE NAIL	2 - 8d common
4	WIDER THAN 1" x 6" SUBFLOOR TO EACH JOIST, FACE NAIL	3 - 8d common
5	2" SUBFLOOR TO JOIST OR GIRDER, BLIND AND FACE NAIL	2 - 16d common
6	SOLE PLATE TO JOIST OR BLOCKING, TYPICAL FACE NAIL	16d at 16"oc, 3" x 0.131" nails at 8" oc, 3" 14 gage staples at 12" oc
	SOLE PLATE TO JOIST OR BLOCKING AT BRACED WALL PANELS	3 - 16d at 16", 4 - 3" x 01.31 nails at 16", 4 - 3" 14 gage staples per 16"
7	TOP PLATE TO STUD, END NAIL	2-16d common, 3 - 3" x 0.131" nails, 3 -3" 14 gage staples
8	STUD TO SOLE PLATE, TOENAIL	4 - 8d common, 4 - 3" x 0.131" nails, 3 - 3 " 14 gage staples
	STUD TO SOLE PLATE, END NAIL	2 - 16d common, 3 - 3 " x 0.131" nails, 3 - 3" 14 gage staples
9	DOUBLE STUDS, FACE NAIL	16d at 24" oc, 3" x 0.131" nail at 8" oc, 3" 14 gage staple at 8" oc
10	DOUBLE TOP PLATES, TYPICAL FACE NAIL	16d at 16" oc, 3" x 0.131" nail at 12" oc, 3" 14 gage staple at 12"" oc
	DOUBLE TOP PLATES, LAP SPLICE	8 - 16d common, 12 - 3" x 0.131" nails, 12 - 3" 14 gage staples
11	BLOCKING BETWEEN JOISTS OT RAFTERS TO TOP PLATE, TOENAIL	3 - 8d common, 3 - 3" x 0.131" nails, 3 - 3" 14 gage staples
12	RIM JOIST TO TOP PLATE, TOENAIL	8d at 6" oc, 3" x 0.131" nail at 6" oc, 3" 14 gage staple at 6" oc
13	TOP PLATES, LAPS AND INTERSECTIONS, FACE NAIL	2 -16d common, 3 - 3" x 0.131" nail at 6" oc, 3" 14 gage staples
14	CONTINUOUS HEADER , TWO PIECES	16d common 16" oc along edge
15	CEILING JOISTS TO PLATE, TOENAIL	3- 8d common, 5 - 3" x 0.131" nails, 5 - 3" 14 gage staples
16	CONTINUOUS HEADER TO STUD, TOENAIL	4 - 8d common
17	CEILING JOISTS, LAPS OVER PARTITIONS, FACE NAIL	3 - 16d common min. Table 2308.10.4.1, 4 - 3" x 0.131" nails, 4 - 3" 14 gage staples
18	CEILING JOISTS TO PARALLEL RAFTERS, FACE NAIL	3 - 16d common min. Table 2308.10.4.1, 4 - 3" x 0.131" nails, 4 - 3" 14 gage staples
19	RAFTER TO PLATE, TOENAIL	3 - 8d at common, 3 - 3" x 0.131" nails, 3 - 3" 14 gage staples
20	1" DIAGONAL BRACE TO EACH STUD AND PLATE, FACE NAIL	2- 8d common, 2- 3" x 0.131", 3 -3" 14 gage staples
21	1" x 8" SHEATHING TO EACH BEARING, FACE NAIL	3 - 8d common
22	WIDER THAN 1" x 8" SHEATHING TO EACH BEARING, FACE NAIL	3 - 8d common
23	BUILT-UP CORNER STUDS	16d common at 24" oc, 3" x 0.131" nails at 16" oc , 3" 14 gage staples at 16" oc
24	BUILT-UP GIRDER AND BEAMS, FACE NAIL AT TOP AND BOTTOM STAGGERED ON OPPOSITE SIDES	20d common at 32" oc, 3" x 0.131" nail at 24" oc, 3" 14 gage staple at 24"" oc
	BUILT-UP GIRDER AND BEAMS, FACE NAIL AT ENDS AND AT EACH SPLICE	2 - 20d common, 3 - 3" x 0.131" nails, 3 - 3" 14 gage staple
25	2" PLANKS, AT EACH BEARING	16d common
26	COLLAR TIE TO RAFTER, FACE NAIL	3 - 10d common, 4 - 3" x 0.131" nails, 4 - 3" 14 gage staples
27	JACK RAFTER TO HIP, TOENAIL	3 - 10d common, 4 - 3" x 0.131" nails, 4 - 3" 14 gage staples
	JACK RAFTER TO HIP, FACE NAIL	2 -16d common, 3 - 3" x 0.131" nails, 3 - 3" 14 gage staples
28	ROOF RAFTER TO 2-BY RIDGE BEAM, TOENAIL OR FACE NAIL	2 -16d common, 3 - 3" x 0.131" nails, 3 - 3" 14 gage staples
29	JOIST TO BAND JOIST, FACE NAIL	3 -16d common, 4 - 3" x 0.131" nails, 4 - 3" 14 gage staples
30	LEDGER STRIP, FACE NAIL	3 -16d common, 4 - 3" x 0.131" nails, 4 - 3" 14 gage staples
31	WOOD STRUCTURAL PANELS AND PARTICLEBOARD, SUBFLOOR, ROOF AND WALL SHEATHING (TO FRAMING)	
	1/2" AND LESS	6d , 2 3/8" X 0.113" nail , 1 3/4" 16 gage
	19/32" TO 3/4"	8d com. or 6d def., 2 3/8" X 0.113" nail 4" oc at edge 8" oc field, 2" 16 gage 4" , 8" oc
	7/8" TO 1"	8d common or deformed shank
	1 1/8" TO 1 1/4"	10d or 8d common
	WOOD STRUCTURAL PANELS AND PARTICLEBOARD, SINGLE FLOOR (COMBINATION SUBFLOOR-UNDERLAYMENT TO FRAMING)	
	3/4" AND LESS	6d deformed shank
	7/8" TO 1"	8d deformed shank
	1 1/8" TO 1 1/4"	10d common or 8d deformed
32	PANEL SIDING (TO FRAMING) - 1/2 " OR LESS	6d Corrosion-resistant siding or casing nail
	PANEL SIDING (TO FRAMING) - 5/8 "	8d Corrosion-resistant siding or casing nail
33	FIBERBOARD SHEATHING - 1/2"	1 1/2" 11 gage roofing nail , 6d common nail, 1 1/8" 16 gage staple
	FIBERBOARD SHEATHING - 25/32"	1 3/4" 11 gage roofing nail , 8d common nail, 1 1/2" 16 gage staple
34	INTERIOR PANELING - 1/4"	4d Casing or finish nails spaced 6" on panel edges, 12"" at intermediate supports
	INTERIOR PANELING - 3/8 "	6d Panel supports at 24". Casing or finish nails spaced 6" at edges, 12"" at intermediate

*NOTE: All fasteners attached to pressure treated material shall be hot-dip galvanized (per ASTM A153) or stainless steel or silicon, bronze or copper material. Includes: anchor bolts, hold-down anchors, plywood edge nails, etc. [CBC 2019 § 2304.10.5]

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Structural Sheet List

Number	Sheet Number	Sheet Name
1	S0.0	Structural Notes
2	S1.0	Foundation Plan
3	S1.1	Pit & Foundation Details
4	S2.0	Building Sections
5	S3.0	Ceiling Framing Plan
6	S4.0	Roof Framing Plan
7	S4.1	Framing Details
8	S5.0	Fence Designs

Code Compliance:

All work shall be performed in accordance with the following codes, including but not limited to:

2019 California Building Code
2019 California Electrical Code
2019 California Mechanical Code
2019 California Plumbing Code
2019 Building Energy Efficiency Standards
2019 California Existing Building Code
2019 California Fire Code
2019 California Green Building Code

Any Codes Referenced by the CBC, e.g. ASCE 7, ACI 318, 2018 IBC, AISC-360, etc.

Foundation:

1. Excavations and soil work, including all required inspections during construction, shall comply with the requirements of the Geotechnical Investigation prepared by Geocon (Project No. 52115-05-01), dated April, 2022.
2. Geotechnical parameters used for foundation design:
   - Allowable Net Soil Bearing.....2000 psf
   - Coeficient of Friction.....0.3
   - Passive Soil Resistance.....300 pcf
   - Active Soil Pressure.....45 pcf
   - At Rest Soil Pressure.....65 pcf
3. All footings shall extend below grade the minimum embedment depth as noted on plans. Grade shall be defined as the lowest of the following:
   - building pad subgrade
   - lowest surrounding soil grade within 5'-0" of the building
4. Conventional concrete slabs on grade shall be supported per the Geotechnical Report if provided. Fill material or subgrade material shall be moistened, but not saturated, prior to concrete placement. Care shall be taken as to not damage the integrity of the fill or subgrade material/preparation.
5. Backfilling against foundation walls or exterior walls shall not commence until after the top of the walls are restrained by the completed floor or roof systems.
6. Adequate drainage away from structural wall or foundation shall be provided by Contractor as required.
7. Backfill and re-compaction of all trenches prior to any construction above or adjacent to trench is to be done per soils report (min. 90% compaction).
8. Foundation excavations should be properly prepared in accordance with the recommendations of the geotechnical engineer. All footing and pier excavations should be observed by a representative of of the geotechnical engineer prior to placement of reinforcing steel, in order to examine competency of soils.

Cold Formed Steel Designation

MEMBER DEPTH:
ex: 6" = 600
all member depths are taken in 1/100 inches

FLANGE WIDTH:
Ex: 1 5/8" = 1.625"
all flange widths are taken in 1/100"

600 S 162 - 54

STYLE:
ex: S = Stud
S = stud or joist section
T= track
U = Channel Sections
F = Furring Channel Sections

MATERIAL THICKNESS:
Ex: 0.054" = 54 mils
material thickness is the minimum base metal thickness in mils.

Cold Formed Steel Light Frame Construction

1) Nonbearing wall heights as seen in accompanying table and ESR-3064P for interior composite wall design are based on gypsum wallboard installed on both sides of the wall for the full height, with the long dimension of the gypsum wallboard paralle to the long dimension of the gypsum wallboard parallel to the wall height.

2) Load bearing wall stud heights are based on mechanical bracing at maximum of 48 in on center and sheathing on both sides for lateral stability.

3) Cold formed steel members shall conform with the following minimum standards and material properties:

Shape	Standard/Grade	Fy
Stud, Joists & Track (18 mils - 43 mils)	ASTM A653 (Grade 33)	33 ksi
Stud, Joists & Track (54 mils - 118 mils)	ASTM A653_C1 (Grade 50)	50 ksi

4) Web punch outs for walls must be a minimum distance of (1.5 *h*) from the edge of the bearing end. (*h* is the stud web depth)

5) Each stud must be identified with the manufactures name, yield strength (if over 33 ksi), minimum base-metal thickness, and the report number embossed or stamped on the web of each section at a maximum of 48" on center.

6) Gypsum wallboard shall conform to ASTM C36 with a thickness of 1/2" and/or 5/8" as noted on the plans.

7) Framing screws to be #8 waffle head Pro-Twist screws or equal (U.O.N.). See ESR -1408 for reference of installation and engineering data.

8) Drywall screws to #6 bugle head Pro-Twist screws or equal (U.O.N.). See ESR-1408 for reference of installation and engineering data.

9) Powder driven fasterners shall be Ramset (ESR-1799), SImpson (ESR-2138) or equal (U.O.N.). Shaft thickness to be 0.145" min x 1-1/4" length.

4

Reinforcing Steel:

1. Reinforcing steel shall conform to the requirements of ASTM 615. Reinforcing steel shall be Grade 60 (Fy = 60 ksi) deformed bars for all bars #4 and larger including bars used for concrete walls, beams or columns. Reinforcing may be grade 40 (Fy = 40 ksi) deformed bars for all bars #3 and smaller unless otherwise noted on plans. Reinforcing shall be bent cold. Bars are allowed only one bend per detail, no straightening and re-bending is allowed.
2. Lap splices of reinforcing steel in concrete shall be according to ACI 318 Chapter 25 or lap schedule where present, unless otherwise noted. Stagger splices a minimum of one lap length. No tack welding of reinforcing bars is allowed. The latest ACI code and detailing manual apply. Provide bent corner bars to match and lap with horizontal bars at all corners and intersections per typical details. Vertical bars shall be spliced at or near floor lines. Splice top bars at center line of span and bottom bars at the support in spandrels, beams, grade beams, etc., unless otherwise noted.
3. Mechanical splice couplers shall have current ICBO approval and shall be capable of developing 125% of the bar strength.
4. Welding of reinforcing bars, metal inserts, and connections shall conform to AWS D.4, and shall be made only at locations shown on the plans or details. All reinforcing to be welded shall be ASTM A706, Grade 60 weldable steel.
5. Reinforcing bar spacing shown on plans are maximum on centers. All bars shall be detailed and placed per CRSI specifications handbook. Securely tie all bars in location prior to concrete placement.

Wood

1. Sawn framing lumber shall comply w/ the latest edition of the grading rules of Western Wood Products Association or the West Coast Lumber Inspection Bureau. All sawn lumber shall be stamped with the grade mark of an approved lumber grading agency. Sawn lumber shall have the following minimum grade (UNO):

Size	Species & Grade
2x4 studs, blocking & top plates	Doug Fir-Larch, No. 2
2x6 studs, blocking & top plates	Doug Fir-Larch, No. 2
Joists and all other sawn lumber	Doug Fir-Larch, No. 1
4x posts	Doug Fir-Larch, No. 2
6x posts	Doug Fir-Larch, No. 2

2. Glued-Laminated beams (GLB) shall be Douglass Fir-Larch Combination 24F-V4 at simple span beams and 24F-V8 at cantilever and multi-span beams, UNO, and shall have the minimum properties:

   Fb = 2,400 psi Fv = 265 psi Fc(Perpendicular) = 650 psi E = 1,800 ksi

   Fabrication and handling shall comply with the latest AITC and ASTM standards. Beams shall be manufactured with 2000' radius min. camber unless specifically noted on the plans. All laminations shall be 1-1/2" thick (min.).
3. Structural-use panels shall be performance rated by the American Plywood Association (APA). Panels shall comply with I.C.B.O. report No. NER-108, Exposure 1. Install per manufacturer recommendations. Structural-use panels shall conform to IBC standard 23-2 and 23-3. Plywood shall be five-ply sheathing lay up plywood with face grain perpendicular to supports. Plywood may be oriented per shearwall schedule. Oriented strand board (OSB) may be used as an alternate to plywood. Provide blocking at panel edges where indicated on plans. Panels shall conform to the following nominal thickness, span rating and nailing pattern unless noted otherwise;

Thickness	Grade/ Materials	Use	Span Rating	Edge Nailing	Field Nailing
1/4"	rated sheathing	walls	-	6d @ 6" O.C.	6d @ 12" O.C.
3/8"	rated sheathing	walls	-	8d @ 6" O.C.	8d @ 12" O.C.
7/16"	rated sheathing	walls/roof	24/16	8d @ 6" O.C.	8d @ 12" O.C.
15/32"	rated sheathing	walls/roof	32/16	8d @ 6" O.C.	8d @ 12" O.C.
1/2"	rated sheathing	walls/roof	32/16	8d @ 6" O.C.	8d @ 12" O.C.
19/32"	rated sheathing	roof	40/20	10d @ 6" O.C.	10d @ 12" O.C.
5/8"	rated sheathing	roof	40/20	10d @ 6" O.C.	10d @ 12" O.C.
3/4" R	rated sheathing	roof	48/24	10d @ 6" O.C.	10d @ 12" O.C.
3/4" F	Structural I	floor	48/24	10d @ 6" O.C.	10d @ 12" O.C.

4. Bottom plates resting on concrete or masonry shall be pressure treated douglas fir-Larch sole plates and shall be anchored per structural details and shear wall schedule.
5. All bolts shall be installed in holes bored with a bit 1/16" larger than the diameter of the bolt. Bolts and nuts seating on wood shall have washers as specified by the plans under the nut. Ding threads or install additional nut to prevent loosening of nuts. Lag bolts shall be installed in pre-drilled holes with wrench.
6. All exterior wood for the vision screen shall be pressure treated. All sheathing shall be exterior grade.
7. Any location calling out a 16d nail may be substituted for a #8 wood screw of the same length unless otherwise noted except for Simpson connections.
8. All light framing connections shall be per CBC table 2304.9.1. unless otherwise stated on the plans.
9. All fasteners which are to be installed in preservative treated wood shall meet the requirements of CBC 2304.10.5.

Concrete:

1. Min. 28 day compressive strength. . . . . 2500 psi
   Max. Water to Cement Ratio 0.45
   Concrete Slump . . . . . 4"-6"
2. Concrete mix designs shall be done by a certified laboratory and approved by the Engineer.
3. All concrete shall be regular weight of 145-150 pounds per cubic foot using aggregates conforming to ASTM C33. Water shall be clean and potable.
4. Portland Cement shall be Type II and conform to ASTM C150.
5. No more than 90 minutes shall elapse between concrete batching and placement, unless approved by Engineer or Authorized Testing Agency.
6. Concrete mixing, transport, & placement shall be per ACI 304. Mechanically vibrate all concrete as necessary when placed to achieve a uniform placement minimizing voids. Remove all debris from forms before placing concrete. Concrete shall not be allowed to be dropped through reinforcing steel or greater than 5 feet or any situation that may adversely affect the air entrainment or structural properties of the concrete. Care must be taken when placing slabs on grade as to not disturb the subgrade material.
7. All items to be cast in concrete such as reinforcing steel, ducts, anchor bolts, dowels, pipes, sleeves, conduits, etc., shall be securely fastened to prevent movement during the concrete placement.
8. Concrete slab on grade control joints shall be placed such that the enclosed area is less than 150 square feet(~12' x 12'), unless otherwise stated on plans or an approved mix design allowing greater enclosed area is approved.
9. Pipes shall not be embedded in structural concrete unless stated on the plans or approved by the Engineer. Maximum pipe size shall be 1/3 of the slab thickness, located at mid-depth. Minimum spacing shall 3 times the pipe diameter. Pipes/sleeves shall not impair the strength of the member.
10. Protect concrete from hot or cold weather conditions, which can reduce strength or damage concrete, in accordance with ACI 305 and 306.
11. Anchor bolts for general use and at hold down locations shall be ASTM F1554 Gr. 36 bolts, with A563 Grade A heavy hex nuts & F436 Type I washers.

Concrete Masonry Units

1. Masonry material specifications are as follows:
   a. Concrete Masonry Units
      ASTM C90, Grade N-1, f'm = 2,000 psi
   b. Mortar - ASTM C270 Type M or S
      compressive strength = 1,800 psi (min. at 28 days)
   c. Grout - ASTM C476
      compressive strength = 2,000 psi (min. at 28 days)
2. Units shall be split face block as specified on the design drawings. Concrete bond beams shall be used at horizontal reinforcement. Block shall be cured no less than 30 days before being placed in the wall.
3. Slump shall be 8" - 11", and no water reducers allowed. Total weight of cementitious materials in the mix shall not exceed 610 pounds, and Portland Cement may be replaced with up to 40% fly ash, or a combination of 70% fly ash and ground granulated blast-furnace slag.
4. All cells and spaces shall be fully grouted.
5. Cleanouts shall be provided for all grout pours over 5' high.
6. All block shall be laid up in mortar with full head and bed joints. Webs of each course shall center on webs of courses below. Block shall be laid in running bond with tooled concave joints.
7. Grout shall be fluid and flowable and shall flow into all joints of masonry without segragation. Do not use coarse grout where dimensions of cell is less than 4". Mechanical vibration shall be used to consolidate the grout under strict control to prevent segregation of grout components.
8. Provide a minimum of 1/2" of grout space between reinforcing bars and surface of masonry units.
9. Vertical control joints (isolation or expansion joints) shall be placed every 40'-0" o.c. (max.). Joint sealant shall be as specified on design drawings.
10. Heights of grout lifts and grout pours shall be as specified on design drawings.
11. Pipes and conduits embedded in masonry shall not be placed without approval by the engineer.
12. Admixtures may not be used unless approved by the purchaser, or acceptable (per TMS 602), or approved by the enforcement agency.

Basis For Design

Governing Building Code: 2019 CBC
Risk Category: II

Loading Information

Gravity

Roof		Ceiling		Floors		Storage and Egress	
D	Lr	D	Lr	D	L	Storage	Egress
15 psf	20 psf	10 psf	N/A	N/A	N/A	N/A	N/A

Live loads reduced as permitted by building code

Seismic

Seismic Force Resisting System		Analysis Procedure		R	I		
Special, Reinf. Masonry Shear Walls		ASCE 7-16 Chapter 11		5.0	1.0		
Ss	SDS	S1	SD1	Site Class	Seismic Design Category	Cs	Rp
0.740	0.596	0.287	0.388	D	D	0.119	N/A

Risk Category : II

Seismic Design For Building Structures (ASCE 7-16 CH.12)

Wind

Analysis Procedure: ASCE 7-16

Main Wind Force Resisting System				Component & Cladding (PSF)			
V	exposure	qz	GCpi	N/A	N/A	N/A	N/A
93 mph	B	13.17 psf	0.18	N/A	N/A	N/A	N/A

Deflection Limits:
Wood Roof Elements: Trusses and Joists
Total load: L/240
Live Load: L/360

General Notes:

1. These drawings have been prepared using standards of professional care and completeness normally exercised under similar conditions by a reputable Engineer. They necessarily assume the work depicted will be performed by an experienced Contractor and/or workman who has a working knowledge of the applicable code, standards and requirements of industry acceptable standards of good installation/construction practices. As not every condition or detail is (or can be) explicitly shown on these drawings, it is understood that the Contractor will use acceptable industry standard good practice for all miscellaneous work not shown on the plans.
2. Calculations and design of miscellaneous non-structural items, such as stairs, railings, non-structural walls and prefabricated items, such as roof trusses or floor trusses, are not included and are to be provided by others unless specifically noted on these drawings.
3. These drawings represent the finished structure. They do not explain the method of construction. The Contractor shall be solely responsible for construction means, methods, techniques, sequences, schedule and procedures. It shall be the Contractor's responsibility to design and provide adequate shoring, bracing, form-work, etc. as required for the protection of life and property during construction. Visits to the site by the Engineer shall not include inspection of this item.
4. During construction materials shall be uniformly spread out such that the design live load per square foot as stated herein is not exceeded. Visits to the site by the Engineer shall not include inspection of this item.
5. The Contractor shall be responsible for all excavation procedures including shoring and protection of adjacent property, structures, streets and utilities in accordance with local building codes, the local building department and/or OSHA requirements.
6. The Contractor shall be responsible for verification of all dimensions, conditions and elevations within architectural and/or structural drawings prior to the start of construction. The Contractor shall inform the Architect or Engineer in writing of any discrepancies or omissions noted on the drawings. Any such discrepancy, omission or variance not reported before the start of the construction shall be the responsibility of the Contractor. If discrepancies exist on these drawings, notes and details shall take precedence over the general notes.
7. Where reference is made to codes or test standards for materials of construction, the latest edition and/or addendum adopted by the governing agency shall be used.
8. Any options stated or drawn are for the Contractor's convenience. If the option is used the Contractor shall use the latest code, test standard or manufacturer's recommendations.
9. Typical details and notes shall apply, though not necessarily indicated at a specific location on the drawings. Where no details are shown, construction shall conform to similar work on the project. Details may show only one side of the detail or may omit information for clarity.
10. Verify and establish all openings, inserts or offsets for Architectural, Mechanical, Electrical or Plumbing, etc., with appropriate trades, drawings and Subcontractors prior to construction.
11. All inspections required by the Codes, Local Building Department or the Plans shall be provided by an independent qualified inspection agency or the Building Department. Site visits by the Engineer do not constitute an inspection, unless specifically contacted for.
12. Shop Drawings shall be submitted for all structural items upon written request or as detailed in Contract Documents. Shop drawings are reviewed only for general compliance with the structural drawings. Review does not indicate that the drawings are correct or complete. Responsibility shall rest with the Contractor. Any changes, substitutions, or deviations from the Contract Drawings shall be clouded. Any of the aforementioned shall not be considered approved by the Engineer unless specially noted. The shop drawings do not supersede or replace the original Contract Drawings. Any engineering provided by others and submitted for review shall bear the seal of the appropriate Registered Engineer. JCWagner & Associates shall not be responsible for the adequacy of engineering designs performed by others. Allow 5 working days for the Engineer's review. One copy of each submittal shall be retained for Engineer's records.

Special Inspections:

Special Inspection shall be performed by qualified firm independent of the Contractor, Architect, Engineer of Record or Owner according to 2019 CBC Chapter 17. The Special Inspector shall observe the below list of items for conformance with the Contract Documents. The Special Inspector shall send reports to the Owner and all applicable parties. All discrepancies shall be brought to attention of the Contractor for correction. The Special Inspector shall submit a final report stating that the special inspection work, to the best of his knowledge, was performed in compliance with the plans, specifications, Codes and applicable workmanship of the CBC. Special Inspection shall be provided for the below list of items:

Geotechnical Engineer shall be retained to provide observation and testing services during the grading and foundation phase of construction per Geotechnical report recommendations and inspection and testing reports shall be submitted to the Building Department.

Required Inspections	Periodic	Continuous
1. Masonry Construction - Special Inspections and Testing in accordance with the quality assurance program requirements of TMS 402-16 & TMS602-16 for quality assurance Level 2, as specified in TMS602-16 Tables 3 and 4	✓	
2. Concrete Construction		
a.. Inspect Reinforcement & verify placement	✓	
b. Inspect anchors cast in concrete	✓	
c. Inspect post-installed anchors	✓	
d. Verify use of required mix design	✓	
e. Prior to concrete placement, prepare specimens for strength tests, skump tests, air content tests, & temp. of conc.		✓
f. Inspect concrete placement for proper application techniques		✓
g. Inspect formwork for shape, location, and size	✓	
3. Geotechnical Inspections	✓	

jcWAGNER & ASSOCIATES
2132 N El Dorado St
Stockton, CA 95204
(209) 227-7646

100% Submittal

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APRIL 13, 2023 CALA PROJECT NO. 21013

MCKINLEY PARK RENOVATIONS PROJECT

Structural Notes

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER JOSHUA ASA T. WAGNER C 76963 EXP. 12/31/24 CIVIL STATE OF CALIFORNIA

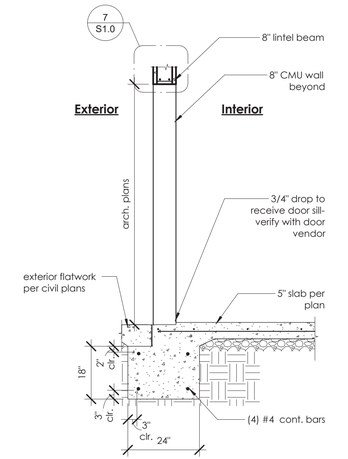
100% SUBMITTAL

Revision No.	Description	Date	By	Aprvd. By
4	CITY REVISIONS	04/13/23	ORL	DEW

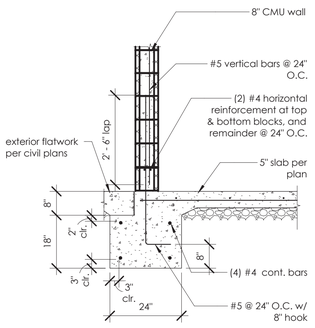
SCALE	As Shown
DESIGNED BY	ORL
DRAWN BY	ORL
CHECKED BY	HJT
RECORD DWGS.	

APPROVED BY: 7/24/23
DATE
CITY ENGINEER
STOCKTON, CALIFORNIA

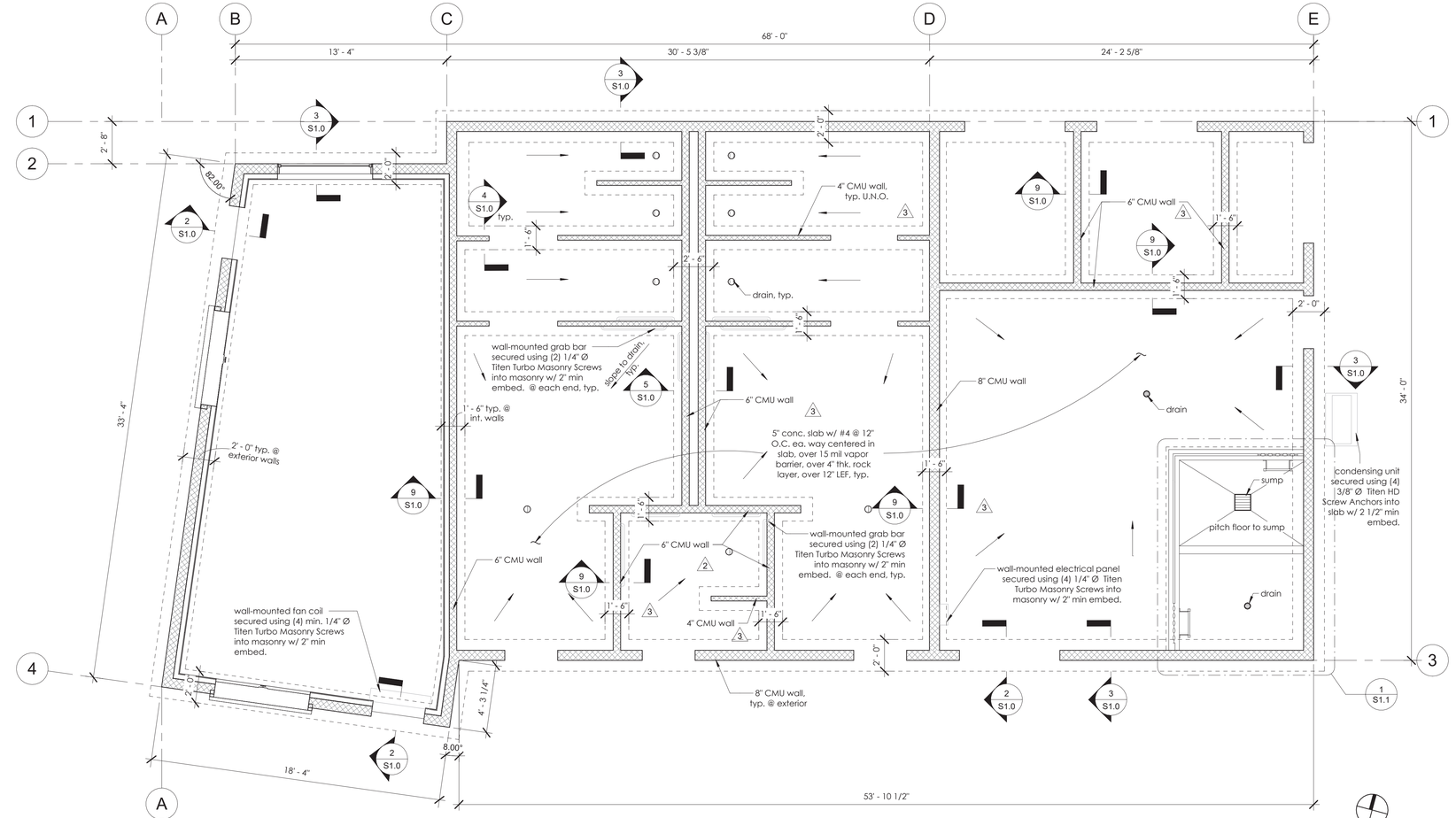
SHEET NO. S0.0
135 OF 158 SHTS
76963
PROJECT NO. 5541.134C



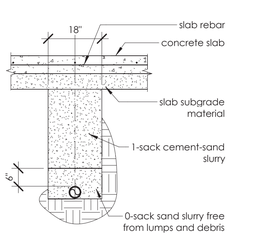
2 S1.0 Sill Footing @ Door
1/2" = 1'-0"



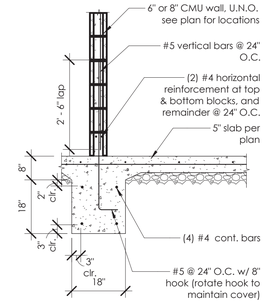
3 S1.0 Perimeter Footing Detail
1/2" = 1'-0"



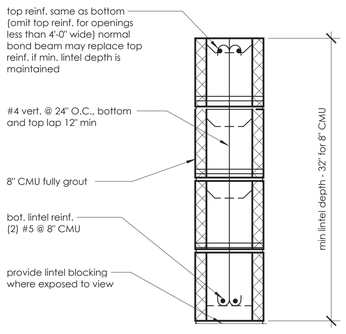
1 S1.0 Foundation Plan
1/4" = 1'-0"



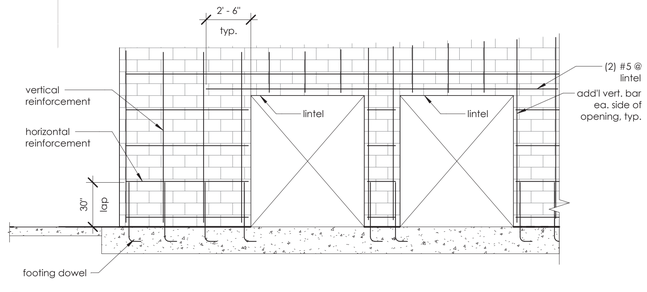
8 S1.0 Trench Detail for Interior Pipes
1/2" = 1'-0"



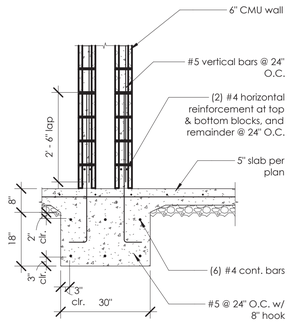
9 S1.0 Interior Footing Detail @ 6" & 8" Wall
1/2" = 1'-0"



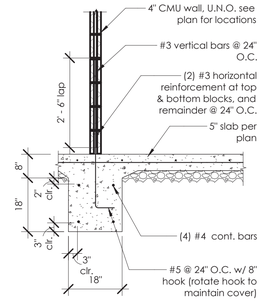
7 S1.0 Typical Lintel Detail
1 1/2" = 1'-0"



6 S1.0 Typical Masonry Wall Reinforcing
1/4" = 1'-0"



5 S1.0 Interior Footing Detail Double Wall
1/2" = 1'-0"



4 S1.0 Interior Footing Detail @ 4" Wall
1/2" = 1'-0"

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APRIL 13, 2023 CALA PROJECT NO. 21013

MCKINLEY PARK RENOVATIONS PROJECT

Foundation Plan

100% SUBMITTAL

REGISTERED PROFESSIONAL ENGINEER DOUGLASS D. WAGNER C 76963 EXP. 12/31/24 CIVIL STATE OF CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By
1	Response to Permit Cycle 1 comments	11/14/2022	ORL	DEW
3	Plan Check	02/21/2023	ORL	DEW

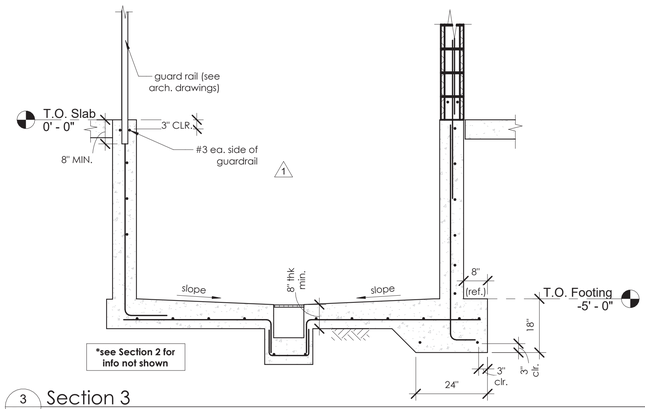
DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	As Shown
DESIGNED BY	ORL
DRAWN BY	ORL
CHECKED BY	HJT
RECORD DWGS.	

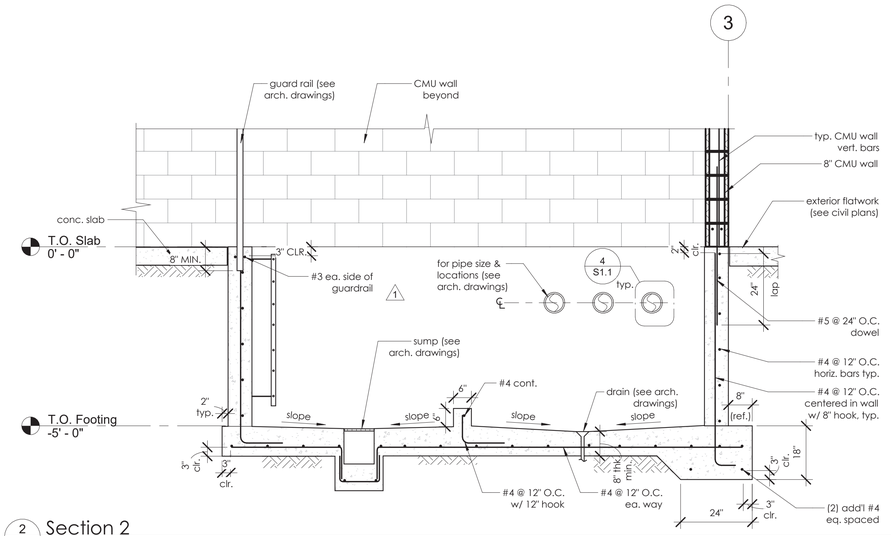
APPROVED BY: 7/24/23
DATE
CITY ENGINEER
STOCKTON, CALIFORNIA

SHEET NO. S1.0
136 OF 158 SHTS
PROJECT NO. 76963

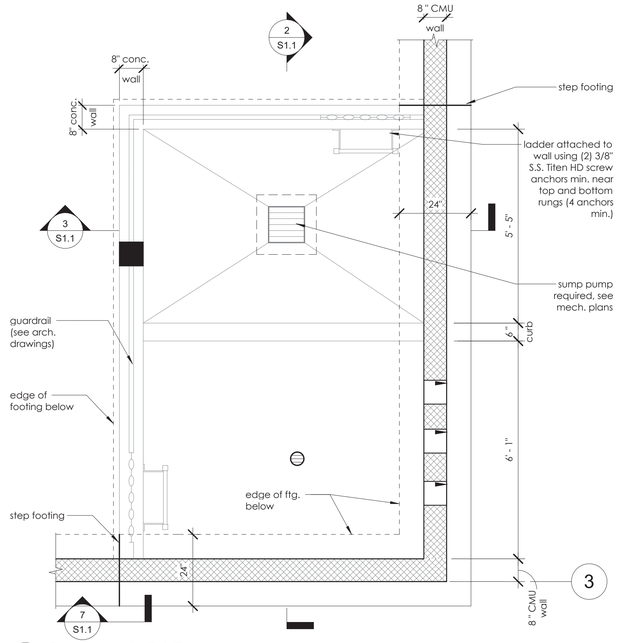
5541.135C



3 S1.1 Section 3
1/2" = 1'-0"



2 S1.1 Section 2
1/2" = 1'-0"



1 S1.1 Backwash Pit Plan
1/2" = 1'-0"

NOTES

1. Sleeves shall be PVC. Inner diameter to be 2" larger than pipe outer diameter

2. Plumbing embedded in concrete shall be provided w/ flexible couplings @ entry & exit points

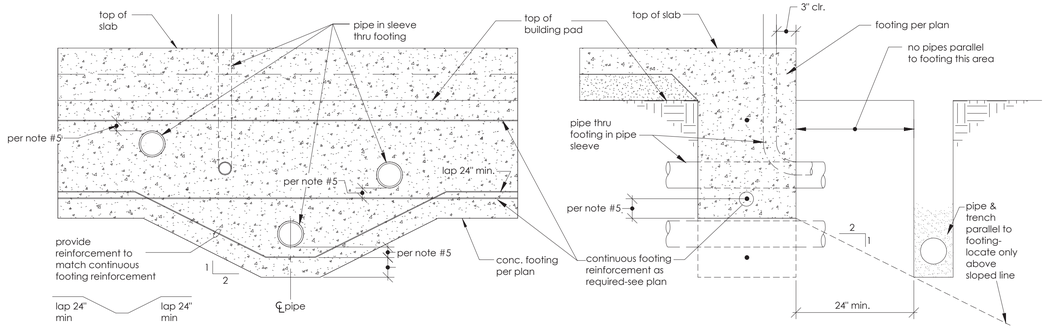
3. "Pipe" = any penetration thru foundation to allow for 1" of motion in any direction

4. No "pipe" to run parallel in footings

5. Wrapped pipes shall have 1 1/2" clear from wrapping to reinforcing. Sleeved pipes shall have 1 1/2" min. clearance to reinforcing. Wrap w/ 1/8" foam sheet, 3 layers min. sleeved pipes per notes.

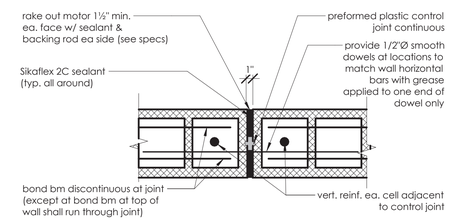
6. Clearance between "pipes" shall be 6" when 4 or more "pipes" are grouped in one area - provide engineered details of block-out

7 S1.1 Step footing
1/2" = 1'-0"



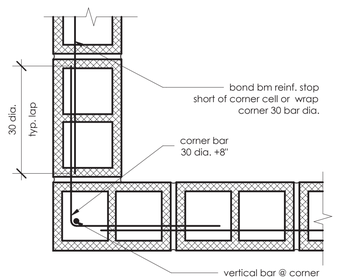
6 S1.1 Pipe Through Footing Detail Where Applies
3/8" = 1'-0"

4 S1.1 Typ. Pipe Opening Detail
1" = 1'-0"

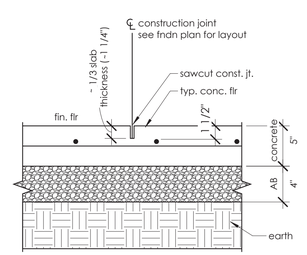


Note:
See Foundation Plan for Location of Control Joints

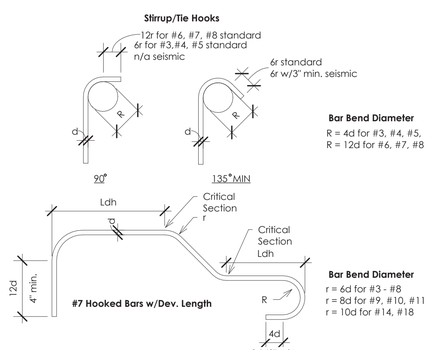
5 S1.1 Typical CMU Wall Control Joint
1 1/2" = 1'-0"



10 S1.1 Typical Wall Reinforcing at Corner
1 1/2" = 1'-0"



9 S1.1 Typical Construction Joint
1 1/2" = 1'-0"



8 S1.1 Typ. Reinforcing Bar Bending
1/4" = 1'-0"

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APRIL 13, 2023 CALA PROJECT NO. 21013

MCKINLEY PARK RENOVATIONS PROJECT

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Revision No.	Description	Date	By	Aprvd. By
1	Response to Permit Cycle 1 comments	11/14/2022	ORL	DEW

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SCALE	AS SHOWN
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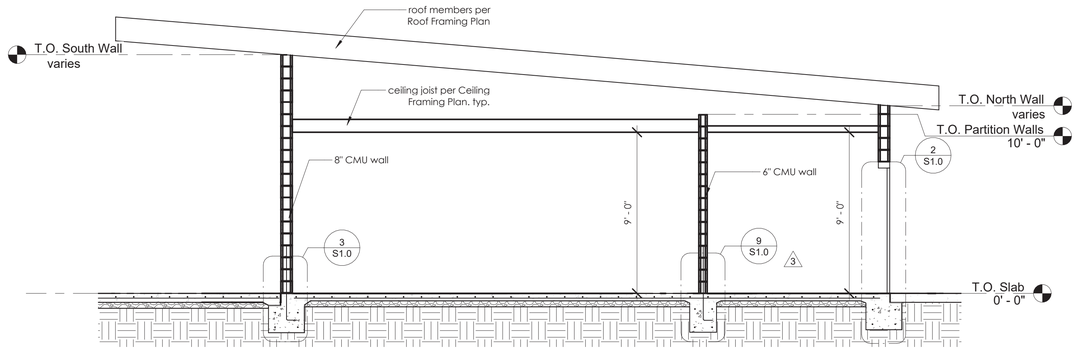
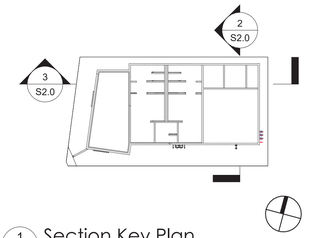
APPROVED BY: 7/24/23 DATE
CITY ENGINEER
STOCKTON, CALIFORNIA

SHEET NO. S1.1
137 OF 158 SHTS
PROJECT NO. 76963

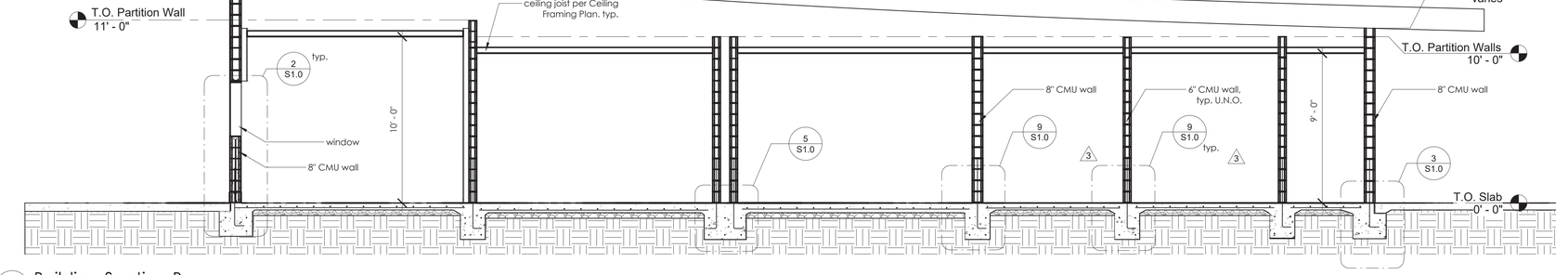
5541.136C



2 S2.0 Building Section A
1/4" = 1'-0"



1 S2.0 Section Key Plan
1" = 30'-0"



3 S2.0 Building Section B
1/4" = 1'-0"

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Building Sections

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Revision No.	Description	Date	By	Aprvd. By
3	Plan Check	02/21/2023	ORL	DEW

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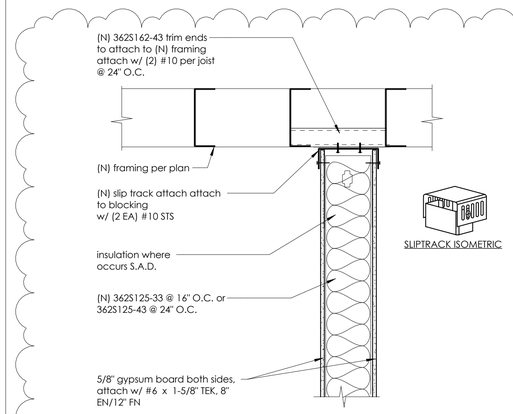
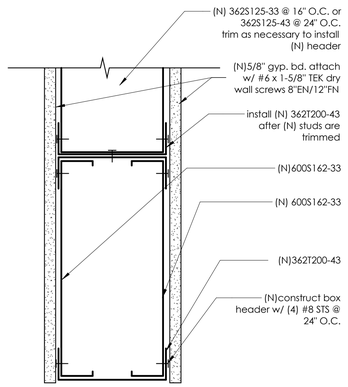
SHEET NO.	S2.0
	138 OF 158 SHTS
PROJECT NO.	76963

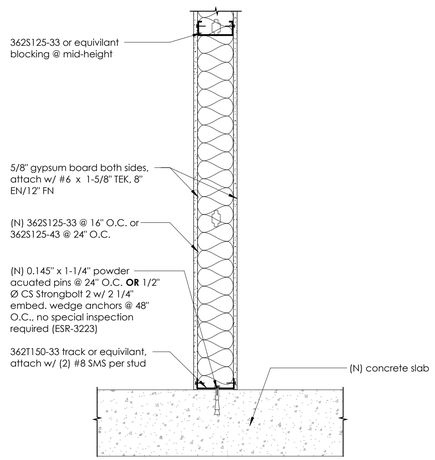
5541.137C



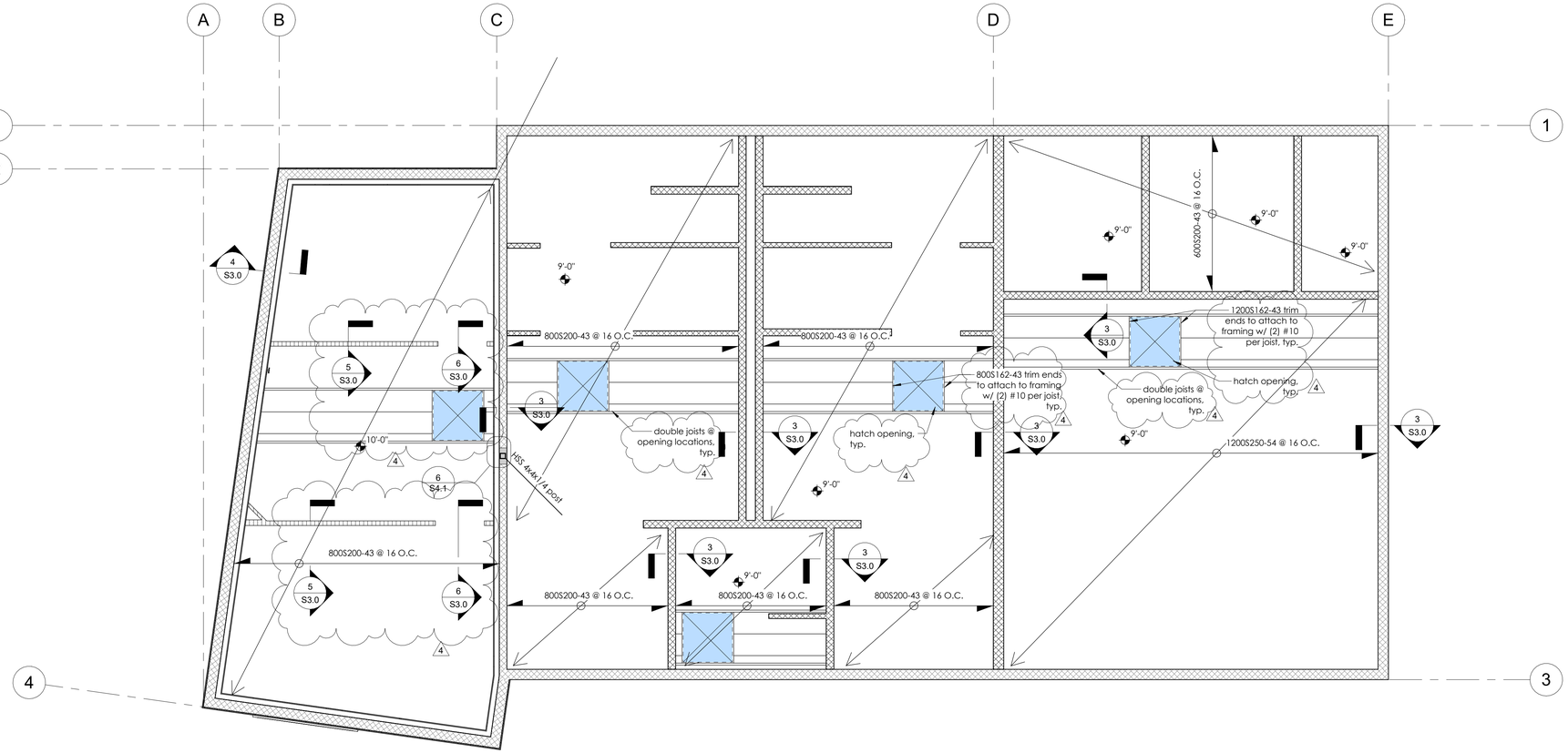
5 S3.0 Metal Stud Wall Roof Connection (Parallel)
1" = 1'-0"



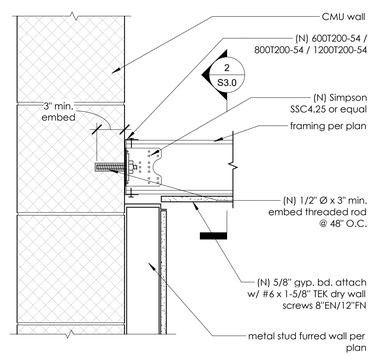
6 S3.0 Opening Header Section
3" = 1'-0"



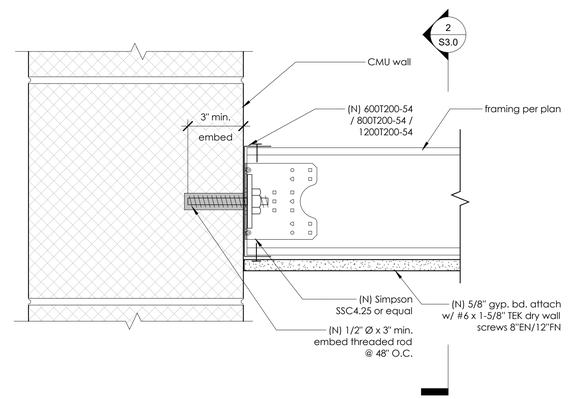
7 S3.0 Wall Base Attachment
1" = 1'-0"



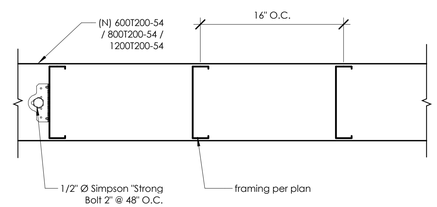
1 S3.0 Ceiling Framing Plan
1/4" = 1'-0"



4 S3.0 Ledger Section @ Metal Stud Wall
1 1/2" = 1'-0"



3 S3.0 Ledger Section
3" = 1'-0"



2 S3.0 Joist to Ledger Connection
1 1/2" = 1'-0"

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MCKINLEY PARK RENOVATIONS PROJECT

Ceiling Framing Plan

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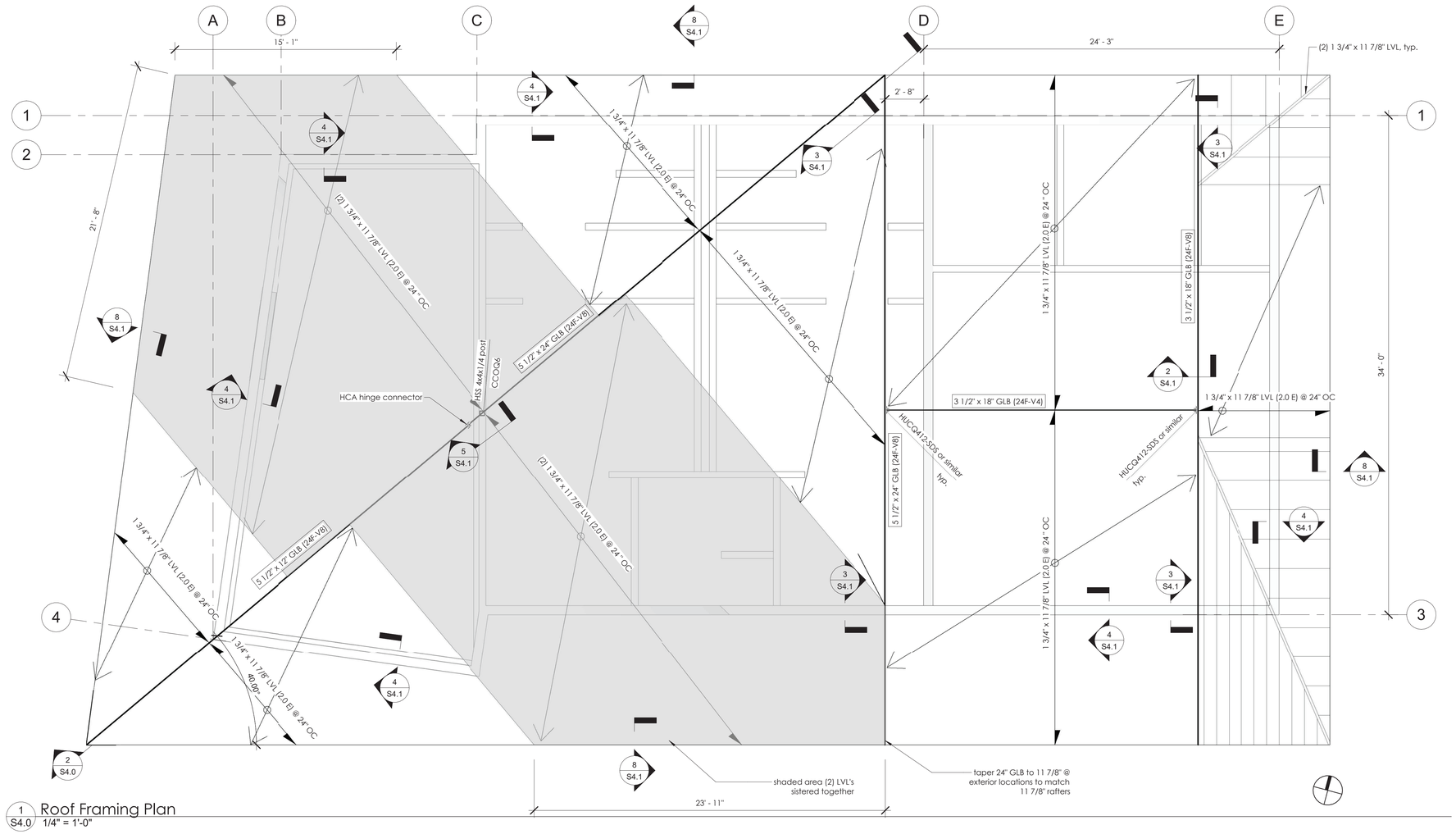
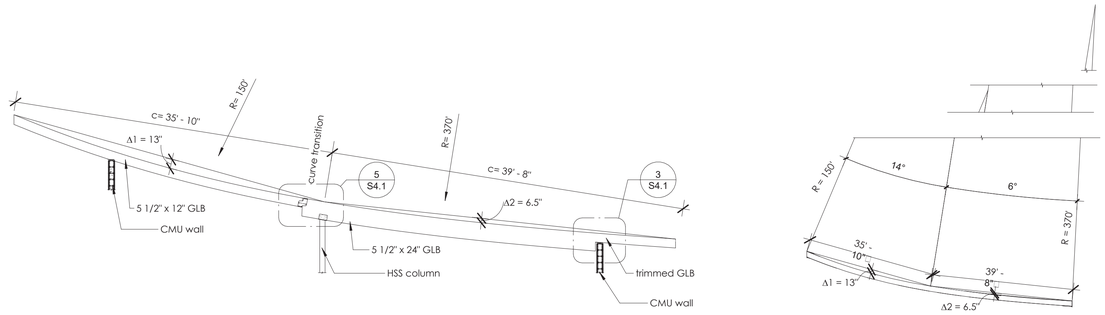
76963 PROJECT NO.
5541.138C



1 S4.0 Roof Framing Plan
1/4" = 1'-0"



2 S4.0 Ridge Beam Curve Layout
1/8" = 1'-0"

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MCKINLEY PARK RENOVATIONS PROJECT

Roof Framing Plan

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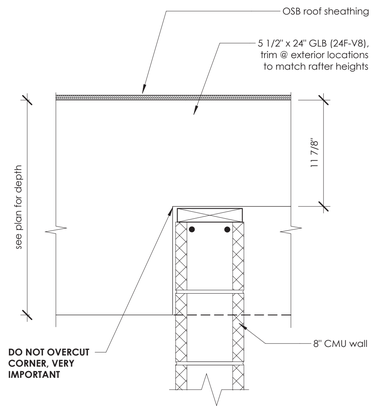
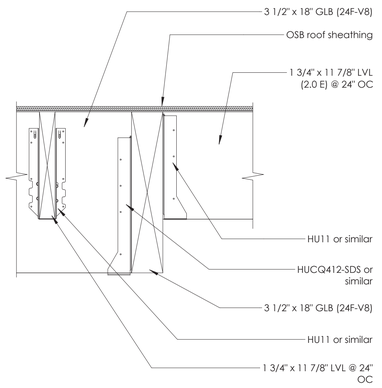
SHEET NO. S4.0
140 OF 158 SHTS
PROJECT NO. 76963

5541.139C



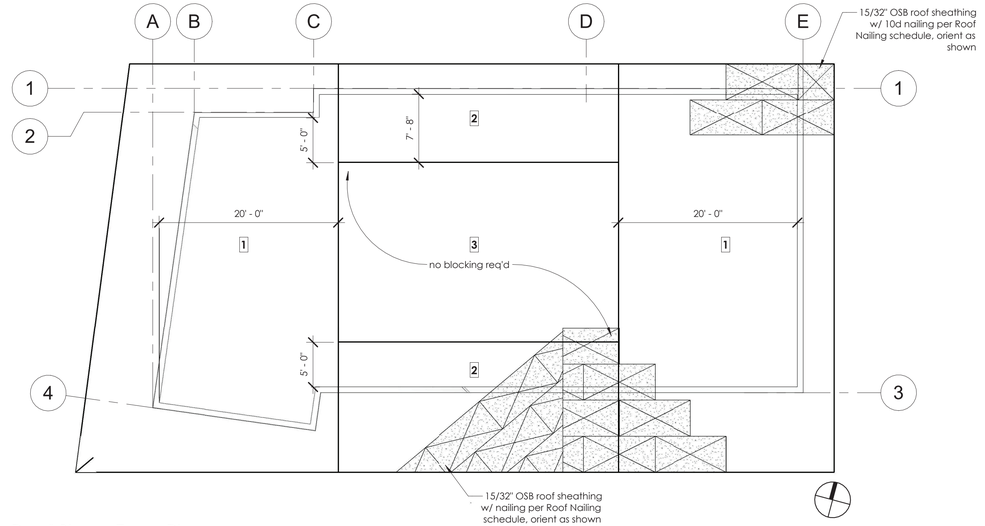
3 S4.1 24" GLB @ Exterior locations
1 1/2" = 1'-0"



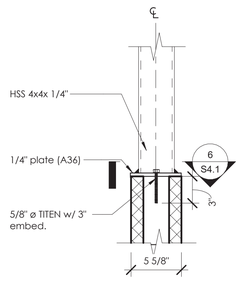
2 S4.1 GLB Connection
1 1/2" = 1'-0"

Roof Nailing Schedule

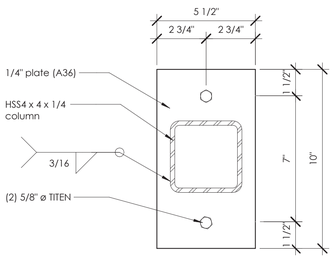
Zone	Boundary	Cont. edge	Edge	Field	Allowable Shear (ASD)	Remarks
1	4"	4"	4"	12"	385 plf	Provide 2x4 DF#2 flat blocking @ panel edges
2	6"	6"	6"	12"	290 plf	Provide 2x4 DF#2 flat blocking @ panel edges
3	N/A	6"	6"	12"	190 plf	no blocking req'd



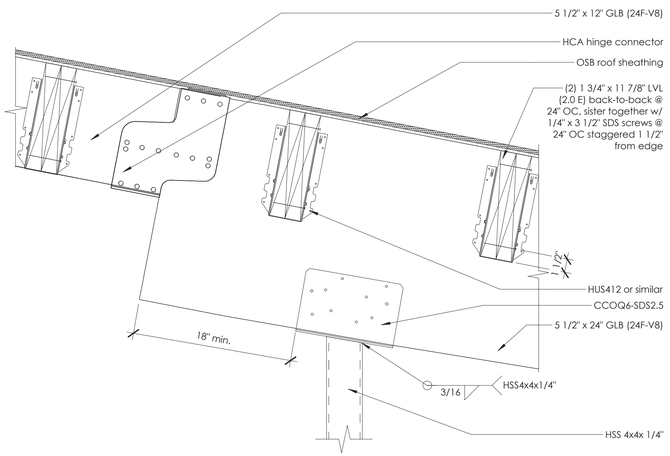
1 S4.1 Roof Shear Zone Plan
1/8" = 1'-0"



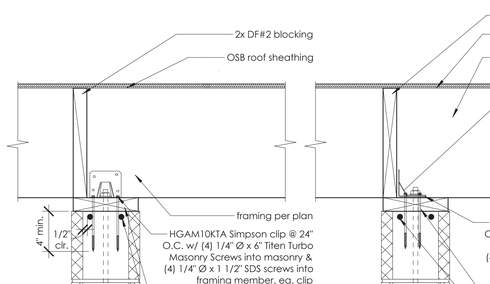
7 S4.1 Post @ CMU Wall
1 1/2" = 1'-0"



6 S4.1 Post Base Plate
3" = 1'-0"

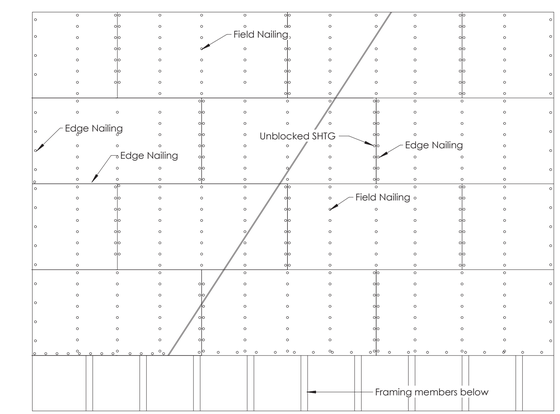


5 S4.1 GLB Connection Detail
1 1/2" = 1'-0"



Perpendicular Parallel Plan View

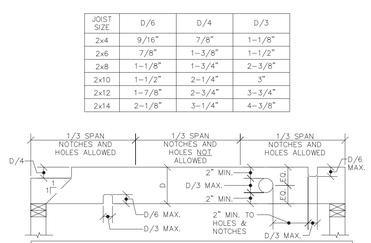
4 S4.1 CMU Connection
1 1/2" = 1'-0"



General Notes:
1. Min. size of plywood sheet shall be 2'-0" b 2'-0"
2. See plan for plywood thickness and nailing
3. Long Dimension of plywood shall run across (perpendicular to) joist or rafters.
4. Nail edge distance shall be min. 3/8" and shall not be driven through the outer plywood.
5. Stagger end joists 2'-0" min. as shown.
6. All joists and rafters shall be laid out in a 4'-0" module to coincide with plywood plans.
7. Nailing size and spacing as noted on plans.
8. Use tongue-in-groove plywood at floors.

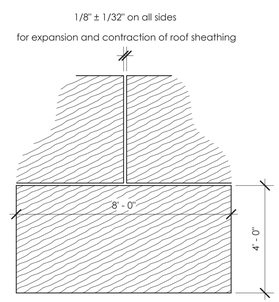
11 S4.1 Roof/Floor diaphragm Layout
3/4" = 1'-0"

JOIST SIZE	D/6	D/4	D/3
2x4	9/16"	7/8"	1-1/8"
2x6	7/8"	1-3/8"	1-1/2"
2x8	1-1/8"	1-3/4"	2-3/8"
2x10	1-1/2"	2-1/4"	3"
2x12	1-7/8"	2-3/4"	3-3/4"
2x14	2-1/8"	3-1/4"	4-3/8"



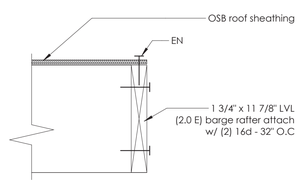
NOTES:
1) THIS DETAIL APPLIES TO SOLID-SAWN 2x OR 4x REPETITIVE JOISTS OR RAFTERS ONLY.
2) THIS DETAIL DOES NOT APPLY TO NOTCHES/HOLES IN STRUCTURAL BEAMS OR I-JOISTS.
3) NOTCHES & HOLES ARE NOT ALLOWED IN CANTILEVERED JOISTS.
4) DO NOT NOTCH BOTH TOP AND BOT. SURFACES WITHIN THE SAME 1/3 SPAN.
5) MAX. ALLOWED IS A COMBINATION OF TWO NOTCHES & HOLES OR HOLES PER 1/3 SPAN.
6) DO NOT OVER-CUT NOTCHES. USE A DRILL TO ROUND OUT THE CORNERS PRIOR TO CUTTING. (AS SHOWN).
7) CONTACT ENGINEER FOR ENGINEERED SOLUTION WHERE DESIRED NOTCHES/HOLES EXCEED LIMITATIONS.

10 S4.1 Boring/Notching of Solid-Sawn Wood Joists/Rafter
1/4" = 1'-0"



NOTE: all panel sheathing is to be Structural I grade sheathing with 24" max. span - see 2019 CBC Table 2304.7(5)

9 S4.1 Roof Sheathing Detail
3/8" = 1'-0"



8 S4.1 Barge Rafter Detail
1 1/2" = 1'-0"

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Framing Details

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141 OF 158 SHTS
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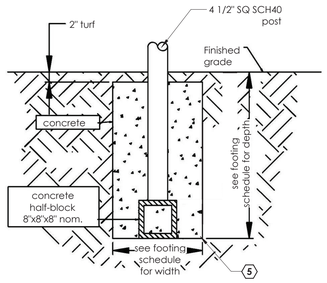
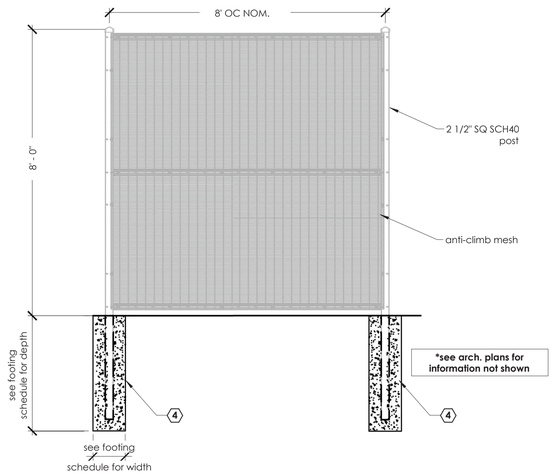
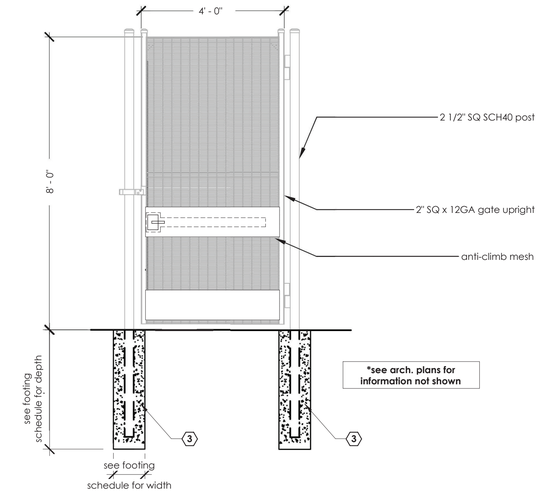


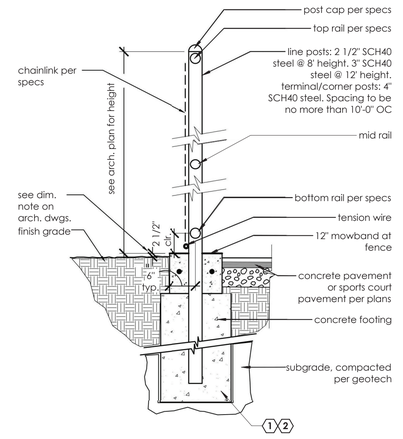
4 S5.0 Backstop Footing
N.T.S.



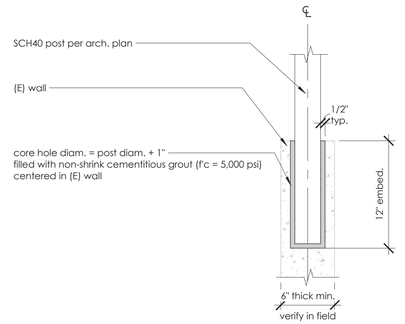
3 S5.0 8' Anti-Climb
1/2" = 1'-0"



2 S5.0 4' Anti-Climb Mangate
1/2" = 1'-0"



1 S5.0 Chainlink Fence, Typ.
N.T.S.



5 S5.0 Typical Post attachment to wall
1 1/2" = 1'-0"

FOOTING SCHEDULE		
MARK	MODEL	FOOTING SIZE
1	8' X 10' CHAINLINK TYP.	24" DIA. x 6'-0" DEEP
2	12' X 10' CHAINLINK TYP.	24" DIA. x 7'-0" DEEP
3	ANTI-CLIMB MANGATE	24" DIA. x 5'-0" DEEP
4	8' X 8' ANTI-CLIMB TYP.	24" DIA. x 6'-0" DEEP
5	BACKSTOP	30" DIA. x 7'-6" DEEP

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STOCKTON, CALIFORNIA

SHEET NO. S5.0 142 OF 158 SHTS
76963 PROJECT NO.

5541.141C

SPLIT SYSTEM INDOOR FAN COIL SCHEDULE

TAG	MANUFACTURER & MODEL #	QTY.	DESCRIPTION	COOLING BTU/H	HEATING (47°F) BTU/H	CFM (HI)	ELECTRICAL VOLT	HZ	PH	MCA	RL/RS SIZE	OP. WEIGHT	REMARKS
FC-1	MITSUBISHI #TPEADA036	1	HORIZONTAL DUCTED	33,000	33,500	1000	208	60	1	3.25	3/8" 5/8"	84 LBS	SEE NOTES #1 - #2

NOTES:
1. PROVIDE WITH FACTORY HARD WIRED THERMOSTAT. T-STAT TO BE ACCESSIBLE WITH TOP MOUNTED AT 48" AFF. SEE FLOOR PLANS.
2. PROVIDE WITH CONDENSATE PUMP.

SPLIT SYSTEM OUTDOOR CONDENSING UNIT SCHEDULE

TAG	MANUFACTURER & MODEL	QTY.	DESCRIPTION	NOM. TONS	COOLING BTU/H	HEATING (47°F) BTU/H	ELECTRICAL VOLT	HZ	PH	MCA	MOCP	SEER	OP. WEIGHT	REMARKS
CU-1	MITSUBISHI #NTXSKS36	1	OUTDOOR	3.0	33,000	33,500	208	60	1	17	31	16.0	129 LBS	SEE NOTES #1 - #3

NOTES:
1. REFRIGERANT TYPE R-410A.
2. DISCONNECT BY ELECTRICAL
3. PROVIDE WITH CONDENSER CAGE: 18"Wx48"Lx42"H, 1.5" STEEL ANGLE IRON, EXPANDED METAL, LOCKING, ACCESS DOOR, NOTCH FOR REFRIGERANT LINES, PROPERTY ARMOR "PRO SERIES P2 SLAMMER MINI SPLIT."

4

EXHAUST FAN SCHEDULE

TAG	MANUFACTURER & MODEL #	DESCRIPTION	CFM	FAN RPM	SONES	S.P.	MOTOR POWER	ELECTRICAL VOLT	PH	FLA	OP. WEIGHT	REMARKS
EF-1	COOK #GNCF-700	CEILING MOUNT	625	1500	5.5	0.5"	148W	115	1	4.4	40 LBS	SEE NOTES #1 - #3
EF-2	COOK #GNCF-700	CEILING MOUNT	625	1500	5.5	0.5"	148W	115	1	4.4	40 LBS	SEE NOTES #1 - #3
EF-3	COOK #GNCF-180	CEILING MOUNT	125	1100	3.5	0.5"	26W	115	1	1.2	19 LBS	SEE NOTES #1 - #3
EF-4	COOK #GNCF-180	CEILING MOUNT	100	1000	3.0	0.5"	19W	115	1	1.2	19 LBS	SEE NOTES #1 - #4
EF-5	COOK #GNCF-180	CEILING MOUNT	125	1000	3.0	0.5"	19W	115	1	1.2	19 LBS	SEE NOTES #1 - #4

1

NOTES:
1. PROVIDE WITH BACKDRAFT DAMPER.
2. PROVIDE WITH INTEGRAL "EC" FAN SPEED CONTROL.
3. INTERLOCK WITH LIGHT SWITCH INCLUDING 15 MINUTE DELAY.
4. FAN TO RUN CONTINUOUSLY.

1

LOUVER SCHEDULE

TAG	MANUFACTURER & MODEL #	DESCRIPTION	SIZE	CFM	FREE AREA	VELOCITY	PRESSURE DROP	REMARKS
L-1	RUSKIN #ELF375DX	4" ALUMINUM DRAINABLE	14"x22"	625	0.91 SF	689 FPM	0.09" W.C.	EXTRUDED ALUMINUM, DRAINABLE, STATIONARY
L-2	RUSKIN #ELF375DX	4" ALUMINUM DRAINABLE	14"x22"	625	0.91 SF	689 FPM	0.09" W.C.	EXTRUDED ALUMINUM, DRAINABLE, STATIONARY
L-3	RUSKIN #ELF375DX	4" ALUMINUM DRAINABLE	14"x22"	325	0.91 SF	357 FPM	0.03" W.C.	EXTRUDED ALUMINUM, DRAINABLE, STATIONARY
L-4	RUSKIN #ELF375DX	4" ALUMINUM DRAINABLE	14"x22"	120	0.91 SF	132 FPM	0.01" W.C.	EXTRUDED ALUMINUM, DRAINABLE, STATIONARY

4

MECHANICAL GENERAL NOTES

1. SCOPE:
   A NEW COMPLETE HVAC SYSTEM, INCLUDING MECHANICAL EQUIPMENT & DUCTWORK AS GENERALLY DELINEATED ON THE DRAWINGS. EQUIPMENT SHALL COMPLY WITH TITLE 24 CALIFORNIA CODE OF REGULATIONS.
2. CODES:
   ALL WORK MATERIAL AND EQUIPMENT SHALL BE FURNISHED AND INSTALLED IN COMPLIANCE WITH THE FOLLOWING CODES AS ADOPTED AND AMENDED BY THE INSPECTING AUTHORITY HAVING JURISDICTION. NOTHING IN THESE PLANS SHALL BE CONSTRUED TO PERMIT THE INSTALLATION OF WORK, MATERIAL OR EQUIPMENT NOT CONFORMING TO THESE OR OTHER CODES APPLICABLE TO THIS PROJECT:
   A. 2019 CALIFORNIA ADMINISTRATIVE CODE (CAC) PART 1, TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR)
   B. 2019 CALIFORNIA BUILDING CODE (CBC) PART 2, TITLE 24, CCR BASED ON THE 2018 INTERNATIONAL BUILDING CODE (IBC)
   C. 2019 CALIFORNIA ELECTRICAL CODE (CEC) PART 3, TITLE 24, CCR BASED ON THE 2017 NATIONAL ELECTRICAL CODE (NEC)
   D. 2019 CALIFORNIA MECHANICAL CODE (CMC) PART 4, TITLE 24, CCR BASED ON THE 2018 UNIFORM MECHANICAL CODE (UMC)
   E. 2019 CALIFORNIA PLUMBING CODE (CPC) PART 5, TITLE 24, CCR BASED ON THE 2018 UNIFORM PLUMBING CODE (UPC)
   F. 2019 CALIFORNIA ENERGY CODE (CEC) PART 6, TITLE 24 CCR.
   G. 2019 CALIFORNIA FIRE CODE (CFC) PART 9, TITLE 24, CCR BASED ON THE 2018 INTERNATIONAL FIRE CODE (IFC)
   H. 2019 CALIFORNIA GREEN BUILDING STANDARDS (CGBSC) PART 11, TITLE 24, CCR
3. WORKMANSHIP:
   ALL WORKMANSHIP SHALL BE DONE IN A NEAT AND ORDERLY MANNER ACCORDING TO THE BEST TRADE PRACTICE BY THOSE SKILLED IN THE PARTICULAR TRADE. EQUIPMENT, DUCTS, GRILLES, ETC., SHALL BE PLUMB, LEVEL, SQUARE OR CENTERED ETC., TO GIVE A NEAT AND PLEASING APPEARANCE. ALL EQUIPMENT SHALL BE INSTALLED IN STRICT COMPLIANCE WITH MANUFACTURER'S RECOMMENDATIONS.
4. AVAILABLE POWER:
   THE MECHANICAL CONTRACTOR SHALL CONFIRM ALL SYSTEMS VOLTAGES BEFORE BIDDING OR ORDERING EQUIPMENT, AND SHALL ALLOW FOR BUCK & BOOST TRANSFORMERS IF REQUIRED.
5. AIR BALANCE:
   THE AIR DISTRIBUTION SYSTEM SHALL BE BALANCED TO DELIVER SPECIFIED AIR QUANTITIES FOLLOWING THE PROCEDURES OF THE LATEST EDITION OF THE SMACNA PUBLICATION PROCEDURAL STANDARDS FOR TESTING ADJUSTING & BALANCING OF ENVIRONMENTAL SYSTEMS. CONTRACTOR SHALL PROVIDE ACCESSIBLE & ADJUSTABLE VOLUME DAMPERS AS REQUIRED TO BALANCE THE SYSTEMS AND MAINTAIN A NOISE CRITERIA LEVEL NOT TO EXCEED 30.
   THE AIR BALANCE TECHNICIAN SHALL BE RESPONSIBLE TO MODIFY ALL SUPPLY, RETURN, AND EXHAUST FAN SHEAVES & VFD OUTPUT FREQUENCY LIMITS AS APPLICABLE SUCH THAT THE DESIGN AIR FLOWS ARE MET. ALL SUPPLY FANS CONTROLLED FOR FILTER LOADING SHALL SIMILARLY BE MODIFIED TO ENSURE THE FULL RANGE OF MOTOR POWER IS AVAILABLE TO THE CONTROL SYSTEM. RATED MAXIMUM FAN SPEED SHALL NOT BE EXCEEDED.
6. PERMITS AND UTILITY SERVICE FEES:
   CONTRACTOR TO ARRANGE AND PAY FOR ALL PERMITS, INSPECTIONS AND SERVICE CHARGES REQUIRED IN THE INSTALLATION OF THE WORK.
7. EXISTING INFORMATION:
   LOCATION, SIZE, MATERIAL, ETC. OF EXISTING SYSTEMS, ETC., IS PROVIDED FROM SOURCES DEEMED TO BE RELIABLE BUT IS NOT GUARANTEED. CONTRACTOR SHALL FIELD VERIFY ALL DATA BEFORE PROCEEDING WITH ANY WORK. NO EXTRA COST WILL BE ALLOWED FOR CONDITIONS NOT AS SHOWN.
8. ACCURACY:
   PLANS ARE DIAGRAMMATIC. CONTRACTOR SHALL CONFIRM ALL DIMENSIONS AND LOCATIONS OF AC UNITS, EXHAUST FANS, WALLS, PARTITIONS ETC., AGAINST ARCHITECTURAL AND STRUCTURAL DESIGN PLANS FOR LOCATION CONSISTENCY & ACCURACY PRIOR TO COMMENCING WITH ANY WORK.
9. PAINTING:
   PAINT ALL VISIBLE INTERIOR PORTIONS OF TERMINAL DEVICES & CANS WITH FLAT BLACK ENAMEL PAINT.
10. SIZES:
    DUCTWORK SIZES ON PLANS ARE INSIDE NET FREE AREA.
11. MECHANICAL EQUIPMENT:
    ALL EQUIPMENT SHALL BE LISTED BY AN APPROVED TESTING AGENCY AND INSTALLED IN ACCORDANCE WITH ITS INSTALLATION INSTRUCTIONS AND LISTING.

MECHANICAL LEGEND

DESCRIPTION	SYMBOL
SUPPLY AIR DUCT SECTION	SA
RETURN AIR DUCT SECTION	RA
DUCT SIZE NET INSIDE DIMENSION	12 x 8 / 12 X 8
EXHAUST AIR DUCT SECTION	EA
SPLITTER DAMPER W/ LOCKING QUADRANT	
FLEXIBLE DUCT CONNECTION	
DUCT DROP/RISE	
DOOR LOUVER	
AIR EXTRACTOR	
ACCESS DOOR - A.D.	AD
VOLUME DAMPER W/ LOCKING QUADRANT	VD / VD
AUTO MOTORIZED CONTROLLED DAMPER	MD / MD
FIRE DAMPER / CEILING FIRE DAMPER	FD / FD/CFD
MOTORIZED FIRE / SMOKE DAMPER	FSD / FSD

1ST LETTER - LOCATION: C-CEILING, W-WALL, F-FLOOR
2ND LETTER - SERVICE: S-SUPPLY, R-RETURN, E-EXHAUST
NUMBER: 5-SEE SCH FOR TYPE

CS-5 300 CFM 12x12 / CS-5 300 CFM 12x12

WS-1 300 CFM 14x8

300 CFM = CUBIC FEET PER MINUTE
12 X 12 = NECK SIZE

SMOKE DETECTOR	SD
DUCT WITH ACOUSTICAL LINING	
TO BE REMOVED	
THERMOSTAT	T 1-8
CONDENSATE DRAIN LINE	CD

SHEET INDEX

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JANUARY 5, 2023 CALA PROJECT NO. 21013

MCKINLEY PARK RENOVATIONS PROJECT

MECHANICAL - SCHEDULES, LEGEND & NOTES

REGISTERED PROFESSIONAL ENGINEER LEN LAVAY 30169 2024 MECHANICAL STATE OF CALIFORNIA

neXus engineering
Consulting Mechanical Engineers
1400 Lone Palm Ave, Suite A
Modesto, CA 95351
Tel: 209.572.7399 Fax: 209.236.1579
www.nexusengineering.net
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Revision No.	Description	Date	By	Aprvd. By
1	RESPONSE TO PERMIT CYCLE 1 COMMENTS	11/14/2022		
4	CITY REVISIONS	04/13/2023	GL	

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE	SHEET NO. M-0
DESIGNED BY		CITY ENGINEER	143 OF 158 SHTS
DRAWN BY		STOCKTON, CALIFORNIA	WR21017 PROJECT NO.
CHECKED BY			
RECORD DWGS.			

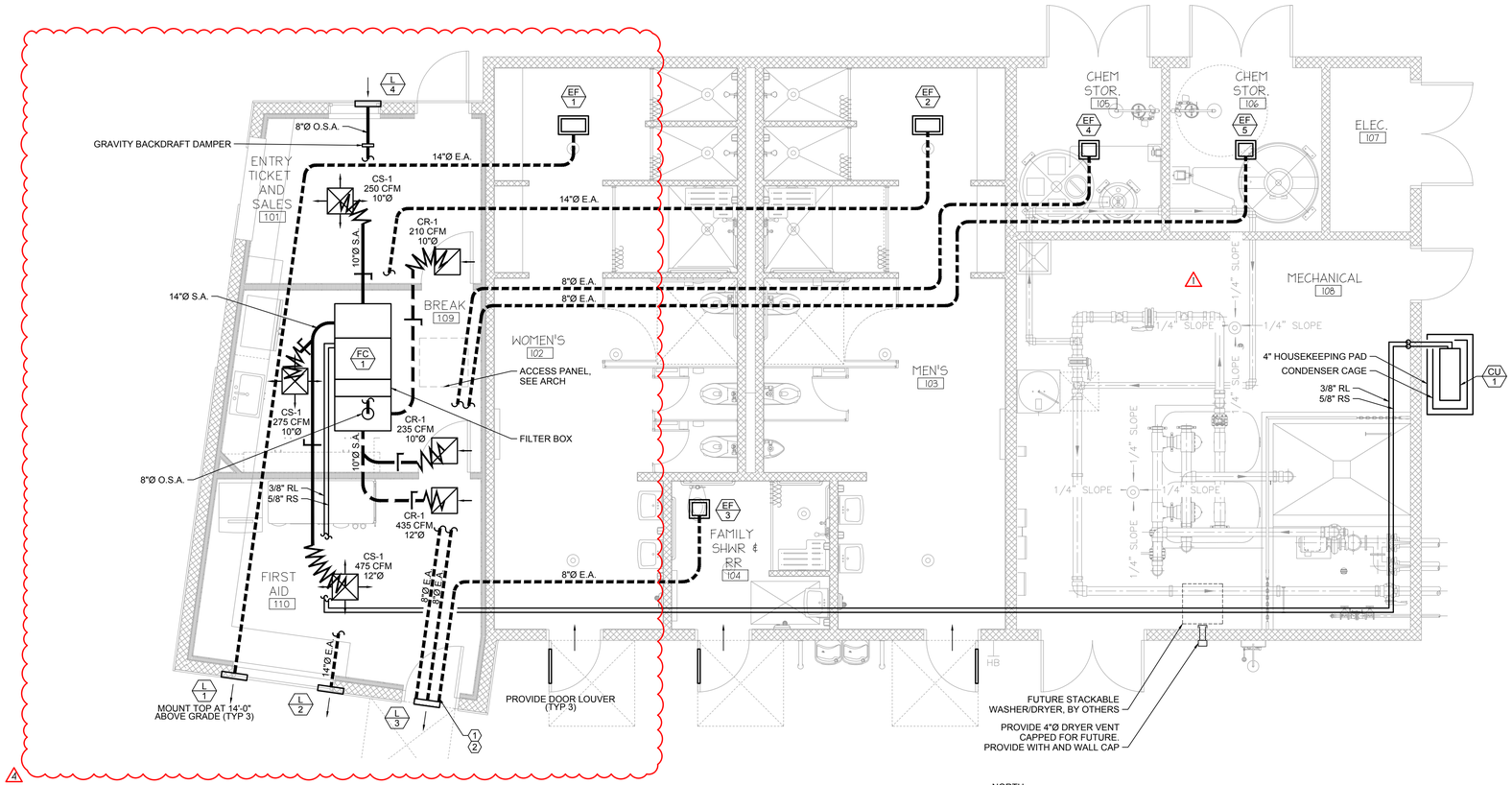
5541.142C

SHEET NOTES

1. SEE SHEET E3 FOR REQUIRED DISCONNECTS AND ELECTRICAL OUTLETS FOR EQUIPMENT SERVICE.

KEYNOTES

1. PROVIDE SHEET METAL PLNEUM TO MATCH SIZE OF LOUVER. CONNECT 4"x16" EXHAUST DUCT TO PLENUM, TYP OF 3.
2. SEE 1/P-2 FOR CONDENSATE DRAIN. CONDENSATE PUMP PROVIDED WITH FAN COIL.



MECHANICAL - FLOOR PLAN

1 / M-1

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

NORTH

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JANUARY 5, 2023 CALA PROJECT NO. 21013

MCKINLEY PARK RENOVATIONS PROJECT

MECHANICAL - FLOOR PLAN

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Consulting Mechanical Engineers
1400 Lone Palm Ave, Suite A
Modesto, CA 95351
Tel: 209.572.7399 Fax: 209.236.1579
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CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE	SHEET NO. M-1
DESIGNED BY		CITY ENGINEER	144 OF 158 SHTS
DRAWN BY		STOCKTON, CALIFORNIA	WR21017 PROJECT NO.
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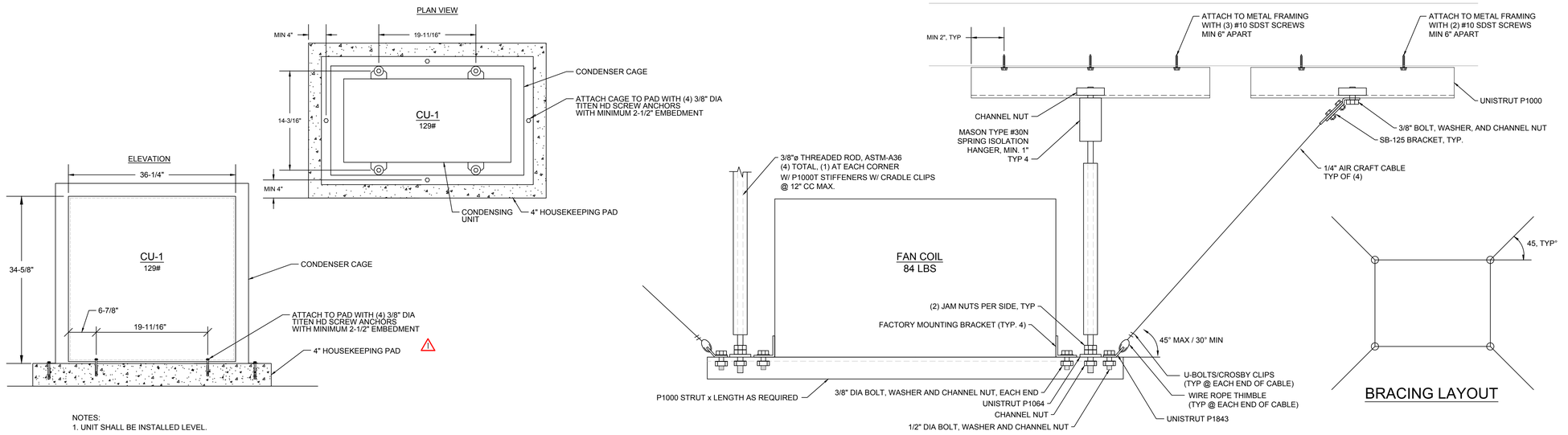
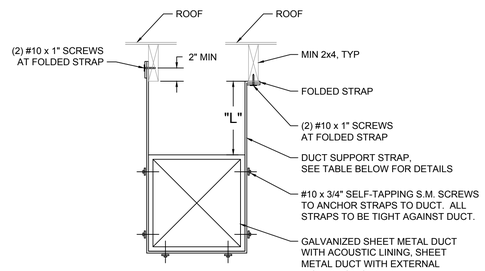
5541.143C

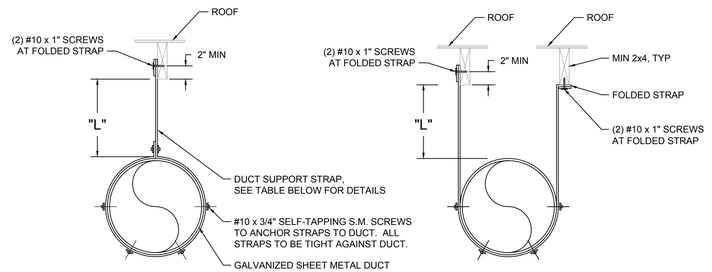


1 / M-2 CONDENSER AND FAN COIL MOUNTING DETAIL

SCALE: NONE



NOTES:
1. DUCT WITH A CROSS-SECTIONAL AREA EQUAL TO OR GREATER THAN 6 SQUARE FEET AND "L" GREATER THAN 12" REQUIRE SEISMIC BRACING.
2. HANGER MUST BE POSITIVELY ATTACHED TO THE DUCT WITHIN 2" OF THE TOP OF THE DUCT WITH A MINIMUM OF TWO #10 SHEET METAL SCREWS.



NOTES:
1. DUCT WITH A CROSS-SECTIONAL AREA EQUAL TO OR GREATER THAN 6 SQUARE FEET AND "L" GREATER THAN 12" REQUIRE SEISMIC BRACING.

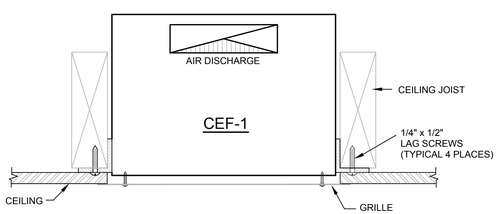
MAXIMUM HALF OF DUCT PERIMETER	PAIR @ 10'-0" SPACING		PAIR @ 8'-0" SPACING		PAIR @ 5'-0" SPACING		PAIR @ 4'-0" SPACING	
	STRAP	WIRE/ROD	STRAP	WIRE/ROD	STRAP	WIRE/ROD	STRAP	WIRE/ROD
P/2 = 30"	1"x0.030" (22 GA)	10 GA	1"x0.030" (22 GA)	10 GA	1"x0.030" (22 GA)	12 GA	1"x0.030" (22 GA)	12 GA
P/2 = 72"	1"x0.047" (18 GA)	3/8"	1"x0.036" (20 GA)	1/4"	1"x0.030" (22 GA)	1/4"	1"x0.030" (22 GA)	1/4"
P/2 = 96"	1"x0.058" (16 GA)	3/8"	1"x0.047" (18 GA)	3/8"	1"x0.036" (20 GA)	3/8"	1"x0.030" (22 GA)	1/4"
P/2 = 120"	1-1/2"x0.058" (16 GA)	1/2"	1"x0.058" (16 GA)	3/8"	1"x0.047" (18 GA)	3/8"	1"x0.036" (20 GA)	1/4"
P/2 = 168"	1-1/2"x0.058" (16 GA)	1/2"	1-1/2"x0.058" (16 GA)	1/2"	1"x0.058" (16 GA)	3/8"	1"x0.047" (18 GA)	3/8"
P/2 = 192"	-	1/2"	1-1/2"x0.058" (16 GA)	1/2"	1"x0.058" (16 GA)	3/8"	1"x0.058" (16 GA)	3/8"

WHENSTRAPS ARE LAP-JOINED, USE THESE MINIMUM FASTENERS:
1"x0.047", 0.036" 0.030" - TWO NO. 10 OR ONE 1/4" BOLT
1"x0.058" - TWO 1/4" BOLT
1-1/2"x0.058" - TWO 3/8" BOLT
PLACE FASTENERS IN SERIES, NOT SIDE-BY-SIDE.

WHEN STRAPS ARE LAP-JOINED, USE THESE MINIMUM FASTENERS:	
STRAP	WIRE OR ROD (DIA.)
1"x0.030" - 260 LBS 1"x0.036" - 320 LBS 1"x0.047" - 420 LBS 1"x0.058" - 700 LBS 1-1/2"x0.030" - 1100 LBS	0.106" - 80 LBS 0.135" - 120 LBS 0.162" - 160 LBS 1/4" - 270 LBS 3/8" - 680 LBS 1/2" - 1250 LBS 5/8" - 2000 LBS 3/4" - 3000 LBS

NOTES:
1. DIMENSIONS OTHER THAN GAUGE ARE IN INCHES.
2. TABLES ALLOW FOR DUCT WEIGHT 1 LB./SF INSULATION WEIGHT NORMAL REINFORCEMENT AND TRAPEZE WEIGHT BUT NO EXTERNAL LOADS.
3. STRAPS ARE GALVANIZED STEEL; OTHER MATERIALS ARE UNCOATED STEEL.
4. ALLOWABLE LOADS FOR P/2 ASSUME THAT DUCTS ARE 0.058" (16 GA) MAXIMUM, EXCEPT THAT WHEN MAXIMUM DUCT DIMENSION (W) IS OVER 60", THEN P/2 MAXIMUM IS 1.25W.
5. FOR TRAPEZE SIZES SEE TITLE 24, PART 4, 2001 CALIFORNIA MECHANICAL CODE, APPENDIX A, UMC STANDARD 6-2, TABLE NUMBER 6-2-B.
6. 12 GA, 10 GA OR 8 GA WIRE IS STEEL OF BLACK-ANNEALED, BRIGHT BASIC OR GALVANIZED TYPE.

DUCT DIAMETER	MAXIMUM SPACING	ROD DIAMETER	STRAP
≤ 10"	12'	1/4"	1" x 0.030" (22 GA.)
11" TO 18"	12'	1/4"	1" x 0.030" (22 GA.)
19" TO 24"	12'	1/4"	1" x 0.030" (22 GA.)
25" TOI 36"	12'	3/8"	1" x 0.036" (20 GA.)
37" TO 50"	12'	2 @ 3/8"	2 @ 1" x 0.036" (20 GA.)
51" TO 80"	12'	2 @ 3/8"	2 @ 1" x 0.037" (18 GA.)
81" TO 94"	12'	2 @ 3/8"	2 @ 1" x 0.058" (16 GA.)



2 / M-2 CEILING EXHAUST FAN DETAIL

SCALE: NONE

3 / M-2 RECTANGULAR DUCT HANGER DETAIL

SCALE: NONE

4 / M-2 ROUND DUCT HANGER DETAIL

SCALE: NONE

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JANUARY 5, 2023 CALA PROJECT NO. 21013

MCKINLEY PARK RENOVATIONS PROJECT

MECHANICAL - DETAILS

Revision No.	Description	Date	By	Aprvd. By
1	RESPONSE TO PERMIT CYCLE 1 COMMENTS	11/14/2022		
4	CITY REVISIONS	04/13/2023	GL	

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN
DESIGNED BY	
DRAWN BY	
CHECKED BY	
RECORD DWGS.	

APPROVED BY: 7/24/23 DATE
CITY ENGINEER
STOCKTON, CALIFORNIA

SHEET NO. M-2 145 OF 158 SHTS

WR21017 PROJECT NO.

5541.144C

REGISTERED PROFESSIONAL ENGINEER 30269 MECHANICAL STATE OF CALIFORNIA

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1400 Lone Palm Ave, Suite A
Modesto, CA 95351
Tel: 209.572.7399 Fax: 209.236.1579
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PLUMBING FIXTURE SCHEDULE

MARK	DESCRIPTION
WC-1	WATER CLOSET: WALL MOUNT, VITREOUS CHINA, ELONGATED RIM, TOP SPUD, WHITE, 1.28 GALLONS PER FLUSH, INTEGRAL TRAP, SIPHON JET ACTION, AMERICAN STANDARD "AFWALL MILLENNIUM FLOWISE" #3351.101 SEAT: HEAVY DUTY, ELONGATED, OPEN FRONT LESS COVER, AMERICAN STANDARD #5905.100 VALVE: BATTERY POWERED, SENSOR OPERATED, EXPOSED, AMERICAN STANDARD SELECTRONIC #6065.121.002
* WC-2	WATER CLOSET: WALL MOUNT, VITREOUS CHINA, ELONGATED RIM, TOP SPUD, WHITE, 1.28 GALLONS PER FLUSH, INTEGRAL TRAP, SIPHON JET ACTION, AMERICAN STANDARD "AFWALL MILLENNIUM FLOWISE" #3351.101 SEAT: HEAVY DUTY, ELONGATED, OPEN FRONT LESS COVER, AMERICAN STANDARD #5905.100 VALVE: BATTERY POWERED, SENSOR OPERATED, EXPOSED, AMERICAN STANDARD SELECTRONIC #6065.121.002 INSTALLED PER ACCESSIBILITY REQUIREMENTS.
* L-1	LAVATORY: WALL MOUNT, VITREOUS CHINA, WHITE, 20-1/2" x 18-1/4", FRONT OVERFLOW, 4" CENTERS, AMERICAN STANDARD "LUCERNE" #0355.012 FAUCET: POLISHED CHROME, NON-AERATING LAMINAR 0.5 GPM, SINGLE LEVER HANDLE, CHICAGO #2200-4E2805ABCP. MIXING VALVE: SET AT 110°F, CHICAGO #131-ABNF. CARRIER: ZURN #Z1224. PROVIDE P-TRAP, SUPPLIES & STOPS, INSTALL PER ACCESSIBILITY REQUIREMENTS.
* UR-1	URINAL: WALL MOUNT, VITREOUS CHINA, WHITE, FLUSH VALVE TYPE, 0.5 TO 1.0 GALLON PER FLUSH, INTEGRAL TRAP, TOP SPUD, SIPHON JET, AMERICAN STANDARD "ALLBROOK FLOWISE" #6550.001 VALVE: BATTERY POWERED, SENSOR OPERATED, EXPOSED, AMERICAN STANDARD SELECTRONIC #6063.051.002
SHR-1	SHOWER: SURFACE MOUNTED 18 GAUGE TYPE 304 STAINLESS STEEL UNIT, TAMPER-RESISTANT VALVE, TRIPLE CHROME PLATED SHOWERHEAD, 1.6 GPM FLOW RATE, CONCEALED WALL FASTENERS, T/P TEMPERATURE-PRESSURE BALANCING MIXING VALVE, SET AT 110° F MAX. (ASSE 1016 COMPLIANT), ACORN #450B-8W.
SHR-2	SHOWER: WALL MOUNTED PRESSURE BALANCING SHOWER VALVE WITH HEAD, VANDAL PROOF WALL MOUNT INSTITUTIONAL SHOWER HEAD, 1.5 GPM, EMBOSSED AND COLOR CODED INDEXING WALL PLATE, DIVERTER VALVE WITH INDEXED WALL FLANGE DESIGNED TO ALTERNATE BETWEEN SHOWER HEAD AND HAND SPRAY, 59: STAINLESS STEEL HOSE AND HAND SPRAY WITH PAUSE CONTROL, 24" WALL MOUNTED ADA GRAB BAR WITH HAND SPRAY HOLDER. CHICAGO #SH-PB1-15-033. INSTALL PER ACCESSIBILITY REQUIREMENTS.
SHR-3	SHOWER: SURFACE MOUNTED 18 GAUGE TYPE 304 STAINLESS STEEL UNIT, TAMPER-RESISTANT VALVE, TRIPLE CHROME PLATED SHOWERHEAD, 1.6 GPM FLOW RATE, CONCEALED WALL FASTENERS, 60" HOSE WITH HAND-HELD SHOWER HEAD, T/P TEMPERATURE-PRESSURE BALANCING MIXING VALVE, SET AT 110° F MAX. (ASSE 1016 COMPLIANT), ACORN #450BADA-8W. INSTALL PER ACCESSIBILITY REQUIREMENTS.
FD-1	FLOOR DRAIN: DURA-COATED CAST IRON BODY, ACID RESISTANT INTERIOR, POLISHED NICKLE BRONZE SQUARE TOP, NO-HUB 2" OUTLET, 5"x5" STRAINER, 1/2" TRAP PRIMER CONNECTION, ZURN #ZN415S-NH2-P.
JS-1	JANITOR SINK: FLOOR MOUNT, ONE PEICE MOLDED, 24" x 24", WHITE, 3" OUTLET, FLORESTONE #MSR-2424. FAUCET: CHROME PLATED SERVICE SINK FAUCET, INTEGRAL VACUUM BREAKER, WALL BRACE, PAIL HOOK, 3/4" THR'D OUTLET, CHICAGO #897-RCP. PROVIDE WITH MOP HANGER AND 4' LONG 3/4"Ø FILL HOSE
FS-1	FLOOR SINK: ENAMELED CAST IRON, ACID RESISTANT INTERIOR, 1/2 TOP GRATE, NO-HUB 2" OUTLET, DOME BOTTOM STRAINER, JR SMITH #3001Y-12
FCO	FLOOR CLEANOUT: DURA-COATED CAST IRON BODY WITH POLISHED NICKEL BRONZE TOP, NO-HUB OUTLET, ZURN #ZN1400-BZ1. SIZE PER PLANS.
WCO	WALL CLEANOUT: DURA-COATED CAST IRON WITH POLISHED BRONZE COVER, NO-HUB OUTLET, VANDAL- PROOF SECURED TOP, ZURN #ZB1441-VP. SIZE PER PLANS.
TP-1	TRAP PRIMER: DIFFERENTIAL PRESSURE AUTOMATIC TYPE, CORROSION RESISTANT BRASS, INSTALL STRICTLY PER MANUFACTURER'S RECOMMENDATIONS, PROVIDE ACCESS DOOR, PPP MODEL #PR-500.
HB-1	HOSE BIBB: ROUGH BRONZE FINISH, VACUUM BREAKER, CARTRIDGE OPERATED, REMOVABLE LOOSE KEY HANDLE, WALL FLANGE, 3/4" HOSE CONNECTION, ACORN #8121-LF.
* S-1	SINK: COUNTER MOUNTED, SINGLE BOWL, 18 GA. TYPE 304 SS, 21"x31" (FRONT TO BACK x LEFT TO RIGHT), 6-1/2" DEEP, CENTER REAR DRAIN LOCATION, (3) HOLES ON 4" CENTERS, JUST #SL-ADA-2131-A-GR. FAUCET: DECK MOUNT, 8" FIXED CENTERS, LOW-LEAD, POLISHED CHROME, 8-11/16" GOOSENECK SPOUT, LEVER HANDLE, DELTA #100-DST. PROVIDE P-TRAP, GRID STRAINER, SUPPLIES, AND ANGLE STOPS. INSTALL PER ACCESSIBILITY REQUIREMENTS.
WB-1	ICE MAKER WALL BOX: WHITE, HIGH IMPACT PLASTIC, ADJUSTABLE FACEPLATE, 1/4 TURN BRASS BALL VALVE WITH 1/2" COPPER SWEAT x 1/4" COMPRESSION CONNECTIONS, WATER HAMMER ARRESTOR, SPECIALTY PRODUCTS #OB-817-LL.
WM-1	WASHING MACHINE WALL BOX: WHITE, METAL, BRASS BALL VALVE WITH 1/2" COPPER SWEAT x 3/4" GHT CONNECTIONS, WATER HAMMER ARRESTORS, SPECIALTY PRODUCTS #OB-508.
WHA-1	WATER HAMMER ARRESTOR: PISTON TYPE, TYPE L COPPER, SWEAT FITTING, SIOUX CHIEF "HYDRARESTER" 650 SERIES, SIZE B. CONFIRM, SIZE, AND LOCATE PER MANUFACTURER'S INSTRUCTIONS.

* INDICATES FIXTURE INSTALLED PER ACCESSIBILITY REQUIREMENTS. SEE GENERAL NOTE #14 ON THIS SHEET.

PLUMBING EQUIPMENT SCHEDULE

MARK	DESCRIPTION
WH-1	GAS WATER HEATER: 120,000 BTU/HR INPUT, 60 GALLON STORAGE, INSULATED TANK, 154 GPH RECOVERY @ 90°F RISE, ENERGY SAVING PILOT, TEMP 120°F, APPROX. OP. WT. = 958 lbs, A.O. SMITH "CYCLONE Mxi MODULATING" #BTH-120(A).
GR-1	NATURAL GAS PRESSURE REGULATOR: 2 PSI INLET, 7"-11" W.C. OUTLET, 125 PSI MAX PRESSURE RATING, RATED FOR UP TO 2500 CFH, ACTUAL FLOW = 120 CFH, FULL CAPACITY INTERNAL RELIEF, SCREENED VENT, AMERICAN REGULATOR #1813C
DF-1	DUAL HEIGHT DRINKING FOUNTAIN: WALL-MOUNTED, BI-LEVEL, PUSH-BUTTON, REFRIGERATED, VANDAL RESISTANT, STAINLESS STEEL FINISH, BOTTLE FILLER, ELKAY #VRCTL8WSK. INSTALL PER ACCESSIBILITY REQUIREMENTS.
BFP-1	BACKFLOW PREVENTER: REDUCED PRESSURE TYPE, DOUBLE CHECK, 3/4" CONNECTIONS, HIGH HAZARD, FEBCO #LF825Y. PROVIDE WITH 3/4" AIRGAP DRAIN PIPED TO FLOOR SINK, FEBCO #AGD-Y
HB-1	WALL HYDRANT: VACUUM BREAKER, ANTI-SIPHON, 3/4" MALE HOSE THREAD OUTLET, 3/4" FEMALE PIPE THREAD INLET, POLYCARBONATE WHEEL HANDLE AND LOOSE TEE KEY, CHROME FINISH, WOODFORD #MODEL 24.
CP-1	CIRCULATION PUMP: BRONZE BODY, POLYPROPELENE IMPELLER, CERAMIC SHAFT, 1/2" UNION CONNECTIONS, 9 GPM @ 6' HD, 115V/1Ø, 55 WATTS @ 0.48 FLA, OP. WT. = 10 lbs, B&G #NBF-12U/LW. PROVIDE WITH AQUASTAT AND TIME CLOCK.
MV-1	MIXING VALVE: THERMOSTATIC MIXING VALVE, CAPABLE OF 50 GPM AT 30 PSI DROP, DESIGNED FOR EMERGENCY SHOWER USE, ADJUSTABLE TEMP OUTLET, INITIAL TEMP OUTLET = 85F, HOT WATER SHUTOFF, SHUT OFF VALVES FOR MAINTENANCE, INTERNAL CHECK VALVES, 1" INLETS, 1-1/4" OUTLET, GUARDIAN #G6040.

PLUMBING MATERIAL SPECIFICATIONS

A. DWV (SS & V)
PIPE: ABS SCH. 40 PLASTIC DRAIN, WASTE AND VENT, ASTM D2661-94A
FITTINGS: ABS SCH. 40, ASTM D2661-94A

B. DOMESTIC WATER
PIPE: COPPER TYPE L PER ASTM B-88
FITTINGS: WROUGHT COPPER PER ANSI 16.22
INSULATION (3/4" DIA. PIPE AND SMALLER): INSULATE HW & HWR WITH 1" FIBERGLASS INSULATION AND ALL-SERVICE-JACKET
INSULATION (1" - 1-1/2" DIA. PIPE): INSULATE HW & HWR WITH 1-1/2" FIBERGLASS INSULATION AND ALL-SERVICE-JACKET
INSULATION (2" DIA. PIPE AND LARGER): INSULATE HW & HWR WITH 2" FIBERGLASS INSULATION AND ALL-SERVICE-JACKET

C. CONDENSATE DRAIN
PIPE: COPPER TYPE L PER ASTM B-88
FITTINGS: WROUGHT COPPER PER ANSI 16.22

D. NATURAL GAS (G)
PIPE: SCH 40 BLACK STEEL, THREADED PER ASTM A-53
FITTINGS: SCREWED MALLEABLE IRON PER ANSI B-16.3

FIXTURE CONNECTION SCHEDULE

FIXTURE	SYM	WASTE		TRAP	VENT	COLD WATER		HOT WATER	
		BRANCH	OUTLET			BRANCH	OUTLET	BRANCH	OUTLET
WATER CLOSET (F.V.)	WC	4"	3"	--	2"	1-1/4"	1-1/4"	--	--
URINAL (F.V.)	UR	2"	2"	INT	2"	1"	3/4"	--	--
LAVATORY	L	2"	1-1/2"	1-1/2"	1-1/2"	1/2"	1/2"	1/2"	1/2"
SINK	S	2"	1-1/2"	1-1/2"	1-1/2"	1/2"	1/2"	1/2"	1/2"
DRINKING FOUNTAIN	DF	2"	1-1/4"	1-1/4"	1-1/4"	1/2"	1/2"	--	--
SHOWER	SHR	2"	2"	1-1/2"	1-1/2"	3/4"	1/2"	3/4"	1/2"
JANITOR SINK	JS	3"	3"	3"	2"	3/4"	1/2"	3/4"	1/2"
FLOOR DRAIN	FD	2"	2"	2"	1-1/2"	--	--	--	--
FLOOR SINK	FS	2"	2"	2"	1-1/2"	--	--	--	--

SHEET INDEX

PLUMBING GENERAL NOTES

1. SCOPE:
A COMPLETE DOMESTIC PLUMBING SYSTEM AS GENERALLY DELINEATED ON THE PLUMBING DRAWINGS, INCLUDING SERVICE PIPING AND FINAL CONNECTIONS TO EQUIPMENT FURNISHED AND INSTALLED BY OTHER TRADES AS MAY BE SHOWN ON THE ARCHITECTURAL, ELECTRICAL OR OTHER DRAWINGS OF THE CONTRACT DOCUMENTS.
2. CALIFORNIA CODE OF REGULATIONS:
ALL HOT WATER DISTRIBUTION AND CIRCULATION LINES SHALL BE INSULATED IN ACCORDANCE WITH SECTION 120.3 OF THE CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 6, SUBCHAPTER 3.
3. ALL PLUMBING FIXTURES & EQUIPMENT USED (E.G. SHOWERHEADS, LAVATORY FAUCETS, SINK FAUCET AND WATER HEATERS) SHALL HAVE BEEN CERTIFIED TO THE CALIFORNIA ENERGY COMMISSION BY ITS MANUFACTURER TO COMPLY WITH THE EFFICIENCY STANDARDS FOR SUCH APPLIANCES.
4. CODES:
ALL WORK, MATERIAL, AND EQUIPMENT SHALL BE FURNISHED AND INSTALLED IN COMPLIANCE WITH THE FOLLOWING CODES AS ADOPTED AND AMENDED BY THE INSPECTING AUTHORITY HAVING JURISDICTION. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT THE INSTALLATION OF WORK, MATERIAL OR EQUIPMENT NOT CONFORMING TO THESE OR OTHER CODES APPLICABLE TO THIS PROJECT.
   A. 2019 CALIFORNIA ADMINISTRATIVE CODE (CAC) PART 1, TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR)
   B. 2019 CALIFORNIA BUILDING CODE (CBC) PART 2, TITLE 24, CCR BASED ON THE 2018 INTERNATIONAL BUILDING CODE (IBC)
   C. 2019 CALIFORNIA ELECTRICAL CODE (CEC) PART 3, TITLE 24, CCR BASED ON THE 2018 NATIONAL ELECTRICAL CODE (NEC)
   D. 2019 CALIFORNIA MECHANICAL CODE (CMC) PART 4, TITLE 24, CCR BASED ON THE 2018 UNIFORM MECHANICAL CODE (UMC)
   E. 2019 CALIFORNIA PLUMBING CODE (CPC) PART 5, TITLE 24, CCR BASED ON THE 2018 UNIFORM PLUMBING CODE (UPC)
   F. 2019 CALIFORNIA ENERGY CODE (CEC) PART 6, TITLE 24 CCR.
   G. 2019 CALIFORNIA FIRE CODE (CFC) PART 9, TITLE 24, CCR BASED ON THE 2018 INTERNATIONAL FIRE CODE (IFC)
   H. 2019 CALIFORNIA GREEN BUILDING STANDARDS (CGBSC) PART 11, TITLE 24, CCR
5. WORKMANSHIP:
ALL WORK SHALL BE DONE IN A NEAT AND WORKMANLIKE MANNER ACCORDING TO THE BEST TRADE PRACTICE BY THOSE SKILLED IN THE PARTICULAR TRADE. EQUIPMENT, FIXTURES, PIPING, ETC., SHALL BE PLUMB, LEVEL, SQUARE AND/OR CENTERED, ETC. EQUIPMENT TO BE INSTALLED IN STRICT COMPLIANCE WITH MANUFACTURER'S RECOMMENDATIONS.
6. EXISTING INFORMATION:
LOCATION, SIZE, ELEVATION, MATERIAL, ETC., OF EXISTING UTILITIES IS PROVIDED FROM SOURCES DEEMED RELIABLE BUT IS NOT GUARANTEED. THE CONTRACTOR SHALL FIELD VERIFY ALL DATA BEFORE PROCEEDING WITH ANY WORK. NO EXTRA COST WILL BE ALLOWED FOR SERVICES NOT AS SHOWN.
7. PERMITS AND UTILITY SERVICE FEES:
THE PLUMBING CONTRACTOR SHALL ARRANGE AND PAY FOR ALL PERMITS, INSPECTIONS, AND SERVICE CHARGES REQUIRED FOR THE INSTALLATION OF THE WORK.
8. ACCURACY:
PLANS ARE DIAGRAMMATIC. THE CONTRACTOR SHALL CONFIRM ALL DIMENSIONS AND LOCATION OF WALLS, PARTITIONS, FIXTURES, ETC., AGAINST DESIGN PLANS FOR CONSISTENCY AND ACCURACY PRIOR TO COMMENCING WORK.
9. PROVIDE AND INSTALL CONDENSATE DRAIN WITH TRAP AT EACH A/C UNIT PER THE UPC, AT LOCATIONS SHOWN ON DRAWINGS. COORDINATE WITH MECHANICAL CONTRACTOR.
10. PROVIDE AND INSTALL ACCESS PANELS FOR ALL SHUT-OFF, ISOLATION, OR BRANCH VALVES NOT READILY ACCESSIBLE. ACCESS PANELS SHALL BE PROVIDED AND INSTALLED AT ALL TRAP PRIMER VALVES AND WATER HAMMER ARRESTORS.
11. ALL PIPING PASSING THROUGH CONCRETE FLOORS SHALL BE SLEEVED TO PROTECT PIPING AGAINST BREAKAGE.
12. HORIZONTAL DRAINAGE PIPING LESS THAN 4" IN DIAMETER SHALL BE SLOPED AT A MINIMUM OF 1/4" PER FOOT (2%) DRAINAGE PIPING 4" AND LARGER SHALL BE SLOPED AT A MINIMUM OF 1/4" PER FOOT (2%) UNLESS OTHERWISE APPROVED BY THE AHJ.
13. ALL PLUMBING FIXTURES AND PIPING SHALL BE LISTED BY AN APPROVED LISTING AND TESTING AGENCY AND PROPERLY LABELED.
14. ACCESSIBILITY REQUIREMENTS FOR CONSTRUCTION SHALL CONFORM TO 2019 CBC CHAPTER 11B. ADA CIVIL RIGHTS REQUIREMENTS MAY BE VERIFIED BY THE ARCHITECT OF RECORD BUT ARE NOT INSPECTION REQUIREMENTS.

PLUMBING LEGEND

SYMBOL	ABBREVIATION	DESCRIPTION
	SS	SOIL, WASTE OR SANITARY SEWER BELOW FLOOR
	SS	SOIL, WASTE OR SANITARY SEWER OVERHEAD
	V	VENT PIPING
	CW	COLD WATER
	HW (110°, 140°)	HOT WATER SUPPLY
	HWR	HOT WATER RETURN
G	G	NATURAL GAS - LOW PRESSURE
MPG	MPG	NATURAL GAS - MEDIUM PRESSURE, 2 PSI
X X X X X X X X X		EXISTING TO BE REMOVED
D OR IW	D OR IW	DRAIN OR INDIRECT WASTE
CD	CD	CONDENSATE DRAIN
OCD	OCD	OVERFLOW CONDENSATE DRAIN
	SD, RWL	STORM DRAIN, RAINWATER LEADER
	OFL	RAINWATER OVERFLOW LEADER (STORM)
	AD, AP	ACCESS DOOR, ACCESS PANEL
	AC	AIR CHAMBER
	ANV	ANGLE VALVE
	AQ	AQUASTAT
	AD	AREA DRAIN
	AAV	AUTOMATIC AIR VENT
	BV	BALL VALVE
		BRANCH - TOP CONNECTION
		BRANCH - BOTTOM CONNECTION
		BRANCH - SIDE CONNECTION
	BFV	BUTTERFLY VALVE
	COP	CAP ON END OF PIPE
	CBV	CALIBRATED BALANCE VALVE
	CB, RD	CATCH BASIN, ROOF DRAIN
	CKV	CHECK VALVE
	CP	CIRCULATING PUMP
CO	CO	CLEANOUT PLUG
	CR	CONCENTRIC REDUCER
Ø	DIA	DIAMETER
	ER	ECCENTRIC REDUCER
	FC	FLEXIBLE CONNECTOR
	FCO	FLOOR CLEANOUT
FD	FD	FLOOR DRAIN
FS	FS	FLOW SWITCH
	GCK	GAGE COCK
	SOV	SHUT OFF VALVE
	GSCK, PC	GAS COCK, PLUG COCK
	GPR	GAS PRESSURE REGULATOR
	GL. V.	GLOBE VALVE
	GCO	GRADE CLEANOUT
	HB	HOSE BIBB
	AN	PIPE ANCHOR
	PG	PIPE GUIDE
	POC	POINT OF CONNECTION
	PRV	PRESSURE REDUCING VALVE
	PG	PRESSURE GAUGE
OR	RV or T&P	RELIEF VALVE OR TEMPERATURE & PRESSURE RELIEF VALVE
	SV	SOLENOID VALVE
	STR	STRAINER
	TH	THERMOMETER
TP	TP	TRAP PRIMER
	UN	UNION OR FLANGE
	WCO	WALL CLEANOUT

DOMESTIC WATER SIZING CALCULATION

JOB NO.: 21325
JOB NAME: McKINLEY POOL HOUSE
LOCATION: STOCKTON, CA
DATE: JUNE 2022

WATER SIZING WORKSHEET PER 2019 CPC TABLE 610.3 AND 2019 CPC, APPENDIX A

SOURCE DATA			
MIN. PRESSURE AVAILABLE:	55.0	PSI	
DEMAND DATA			
TOTAL FIXTURE UNITS:	58.0	F.U.	
FIXTURE UNIT DEMAND:	54.0	GPM	CHART A103.1
CONTINUOUS DEMAND:	0.0	GPM	
TOTAL DEMAND:	53.0	GPM	
SOURCE TO PUMP:			
DISTANCE:	0	FT	
ELEVATION CHANGE:	0	FT	
FRICTION LOSS:	0.0	PSI	
TOTAL LOSS:	0.0	PSI	
BOOSTER PUMP:	0	PSI	
BUILDING SYSTEM			
TOTAL DEVELOPED LENGTH TO MOST REMOTE FIXTURE:	250	FT	
ELEVATION TO HIGHEST FIXTURE:	4	FT	
METER:	5	PSI	CHART A102.2
BACKFLOW PREVENTER:	12	PSI	
SOFTENER:	0	PSI	
FILTER:	0	PSI	
MISC:	0	PSI	
TOTAL BUILDING SYSTEM LOSS:	18.7	PSI	
FLUSH VALVE SYSTEM (25 PSI RESID):	4.5	PSI/100'	
BUILDING SUPPLY PIPE SIZE:	2"	INCHES	

TABLE A-2 FIXTURE TYPE	MINIMUM BRANCH SIZE	QTY	FU	TOTAL
BATHTUB/BATH-SHOWER COMB. (FILL)	1/2"	0	4.0	0.0
BIDET	1/2"	0	1.0	0.0
CLOTHESWASHER	1/2"	0	4.0	0.0
DENTAL UNIT, CUSPIDOR	1/2"	0	1.0	0.0
DISHWASHER	3/4"	0	1.5	0.0
DRINKING FOUNTAIN OR WATERCOOLER	1/2"	1	0.5	0.5
HOSE BIBB	1/2"	0	2.5	0.0
HOSE BIBB (EACH ADDITIONAL)	1/2"	0	1.0	0.0
LAVATORY	1/2"	5	1.0	5.0
LAWN SPRINKLER, EACH HEAD		0	1.0	0.0
SINK, BAR TYPE	1/2"	0	2.0	0.0
SINK, CLINIC FAUCET	1/2"	0	3.0	0.0
SINK, CLINIC FLUSHOMETER VALVE	1/2"	0	7.5	0.0
SINK, KITCHEN DOMESTIC	1/2"	1	1.5	1.5
SINK, LAUNDRY	1/2"	0	1.5	0.0
SINK, SERVICE OR MOP BASIN	1/2"	1	3.0	3.0
SINK, WASHUP (EACH SET OF FAUCETS)	1/2"	0		0.0
SHOWER	1/2"	7	2.0	14.0
URINAL, 1.0 GPF	3/4"	1	4.0	4.0
URINAL, >1.0 GPF	3/4"	0	4.0	0.0
URINAL, FLUSH TANK	1/2"	0	2.0	0.0
WASHFOUNTAIN, CIRCULAR SPRAY	3/4"	0		0.0
WATER CLOSET, 1.6 GPF GRAVITY TANK	1/2"	0	2.5	0.0
WATER CLOSET, 1.6 GPF FLUSHOMETER TANK	1/2"	0	2.5	0.0
WATER CLOSET, 1.6 GPF FLUSHOMETER VALVE	1"	6	5.0	30.0
WATER CLOSET > 1.6 GPF GRAVITY TANK	1/2"	0	5.0	0.0
WATER CLOSET > 1.6 GPF FLUSHOMETER VALVE	1"	0	7.0	0.0
		TOTAL:		58.0

COLD WATER (FLUSH VALVE 8 FPS MAX)

SIZE	DP/100'	GPM	F.U.	VEL IN FPS
1/2"	4.5	2.3	-	3.0
3/4"	4.5	6.2	-	4.0
1"	4.5	13.0	-	4.8
1 1/4"	4.5	23.0	6	5.5
1 1/2"	4.5	34.0	18	6.5
2"	4.5	71.0	108	7.9

COLD WATER (FLUSH TANK 8 FPS MAX)

SIZE	DP/100'	GPM	F.U.	VEL IN FPS
1/2"	4.5	2.3	1	3.0
3/4"	4.5	6.2	7	4.0
1"	4.5	13.0	18	4.8
1 1/4"	4.5	23.0	36	5.5

HOT WATER (5 FPS MAX)

SIZE	DP/100'	GPM	F.U.	VEL IN FPS
1/2"	10.0	3.5	3	4.9
3/4"	6.5	7.5	8	5.0
1"	4.7	13.5	18	5.0
1 1/4"	3.6	19.0	28	5.0
1 1/2"	3.0	28.0	49	5.0
2"	2.2	48.0	119	5.0

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JANUARY 5, 2023 CALA PROJECT NO. 21013

MCKINLEY PARK RENOVATIONS PROJECT

PLUMBING - SCHEDULES, LEGEND & NOTES

Revision No.	Description	Date	By	Aprvd. By
1	RESPONSE TO PERMIT CYCLE 1 COMMENTS	11/14/2022		
3	PLAN CHECK	02/21/2023	GL	
4	CITY REVISIONS	04/13/2023	GL	

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE AS SHOWN	APPROVED BY: 7/24/23 DATE
DESIGNED BY GL	CITY ENGINEER
DRAWN BY	STOCKTON, CALIFORNIA
CHECKED BY	
RECORD DWGS.	

SHEET NO. P-0
146 OF 158 SHTS
WR21017 PROJECT NO.

REGISTERED PROFESSIONAL ENGINEER — LEN LOMBARDO — No. M 24014 — MECHANICAL — STATE OF CALIFORNIA

neXus engineering
Consulting Mechanical Engineers
1400 Lone Palm Ave, Suite A
Modesto, CA 95351
Tel: 209.572.7399 Fax: 209.236.1579
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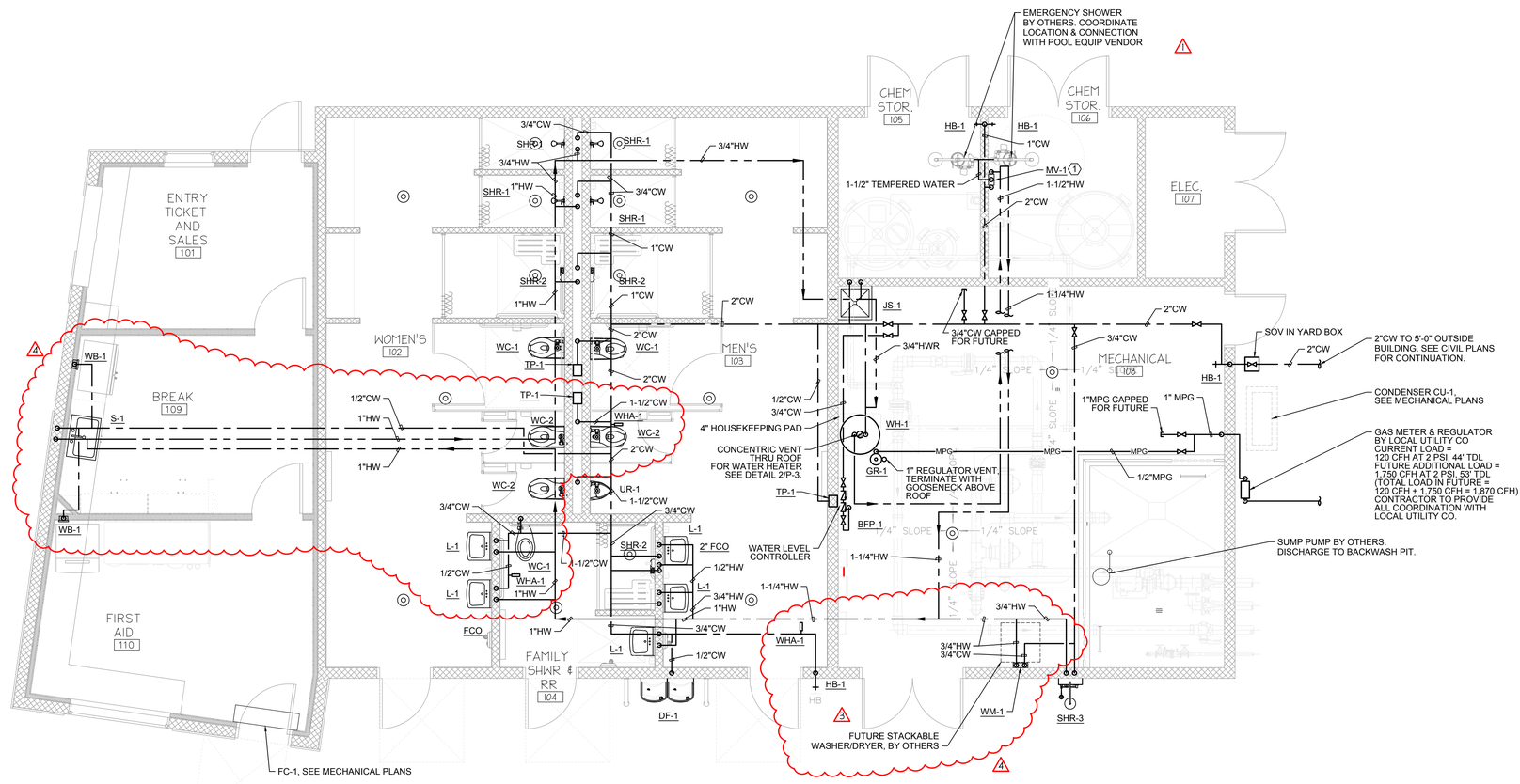
5541.145C

SHEET NOTES

1. FOR PIPE PENETRATIONS, SEE 4/S1.1.

KEYNOTES

1. 1-1/2"CW AND 1-1/2"HW DOWN TO MIXING VALVE MV-1. 1-1/2" TEMPERED WATER (85F) FROM MV-1, SPLIT TO (2) 1-1/2" TEMPERED WATER LINES, (1) 1-1/2" TEMPERED WATER TO EACH EMERGENCY SHOWER.



1 / P-1 PLUMBING - FLOOR PLAN - PRESSURE PIPING

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

NORTH

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JANUARY 5, 2023 CALA PROJECT NO. 21013

MCKINLEY PARK RENOVATIONS PROJECT

PLUMBING - FLOOR PLAN - PRESSURE PIPING

LICENSED PROFESSIONAL ENGINEER — GREGORY LEN — 20022 — MECHANICAL — STATE OF CALIFORNIA

neXus engineering
Consulting Mechanical Engineers
1400 Lone Palm Ave, Suite A
Modesto, CA 95351
Tel: 209.572.7399 Fax: 209.236.1579
www.nexusengineering.net
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Revision No.	Description	Date	By	Aprvd. By
1	RESPONSE TO PERMIT CYCLE 1 COMMENTS	11/14/2022		
3	PLAN CHECK	02/21/2023	GL	
4	CITY REVISIONS	04/13/2023	GL	

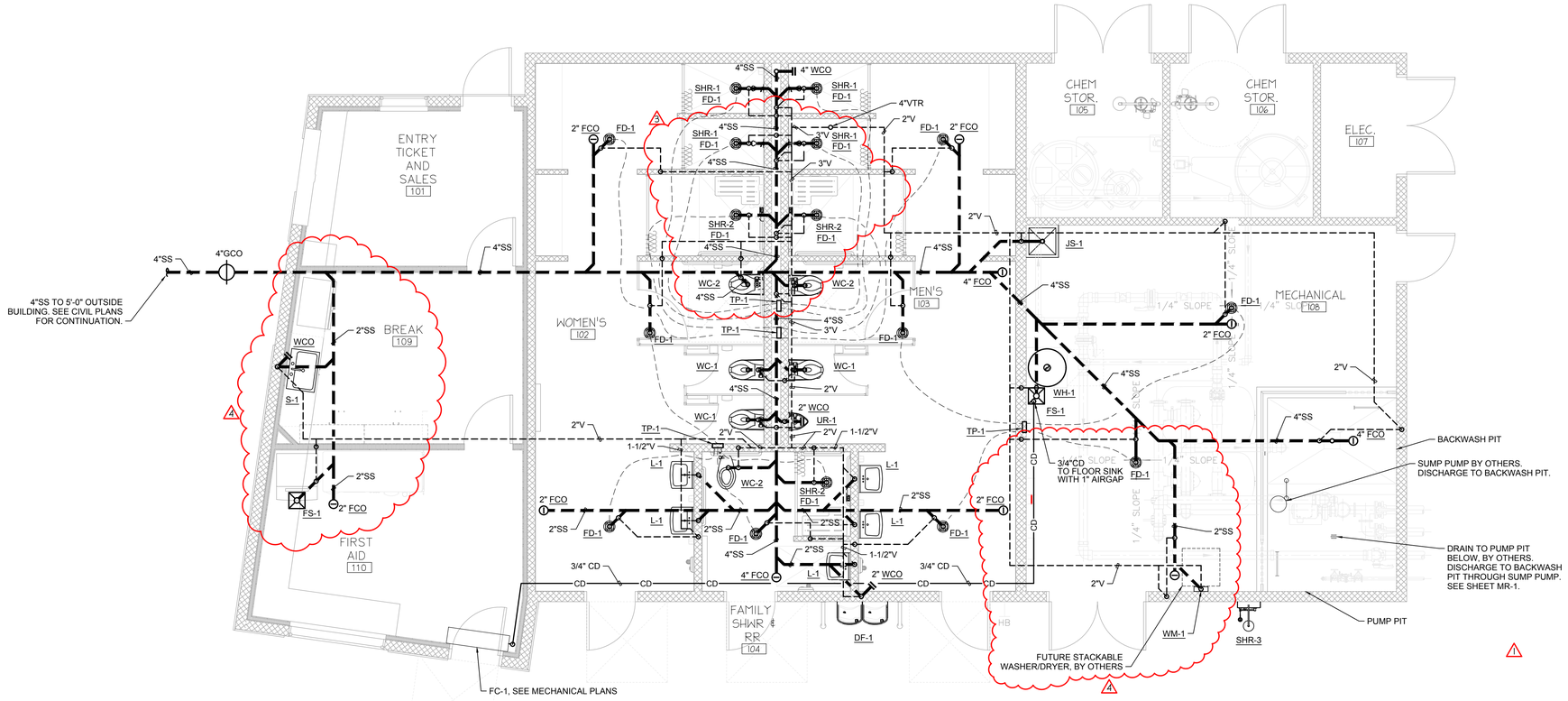
DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE	SHEET NO. P-1
DESIGNED BY		CITY ENGINEER	147 OF 158 SHTS
DRAWN BY		STOCKTON, CALIFORNIA	WR21017 PROJECT NO.
CHECKED BY			
RECORD DWGS.			

5541.146C

SHEET NOTES

1. FOR UNDERGROUND PIPE, SEE 8/S1.0 FOR TRENCHING AND BACKFILL.
2. FOR PIPE PENETRATIONS, SEE 4/S1.1.



1 / P-2 PLUMBING - FLOOR PLAN - GRAVITY PIPING

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

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JANUARY 5, 2023 CALA PROJECT NO. 21013

MCKINLEY PARK RENOVATIONS PROJECT

PLUMBING - FLOOR PLAN - GRAVITY PIPING

LICENSED PROFESSIONAL ENGINEER GREGORY LEN LAWRENCE No. M 30169 Exp. 6-30-24 MECHANICAL STATE OF CALIFORNIA

neXus engineering
Consulting Mechanical Engineers
1400 Lone Palm Ave, Suite A
Modesto, CA 95351
Tel: 209.572.7399 Fax: 209.236.1579
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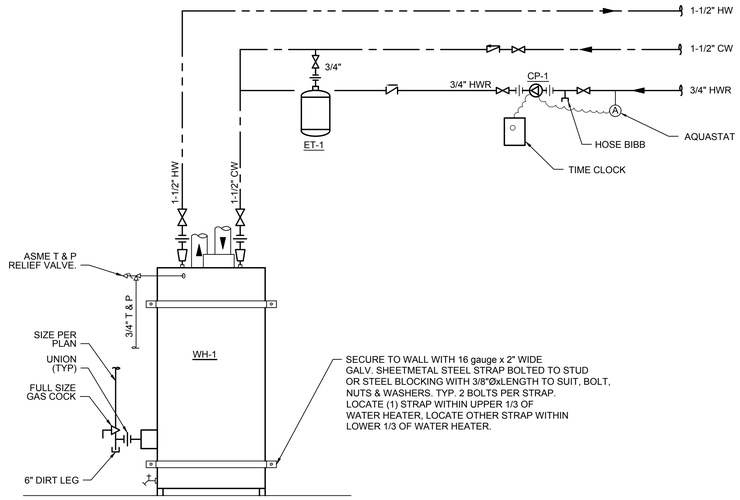
DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE	SHEET NO. P-2
DESIGNED BY		CITY ENGINEER	148 OF 158 SHTS
DRAWN BY		STOCKTON, CALIFORNIA	WR21017 PROJECT NO.
CHECKED BY			
RECORD DWGS.			

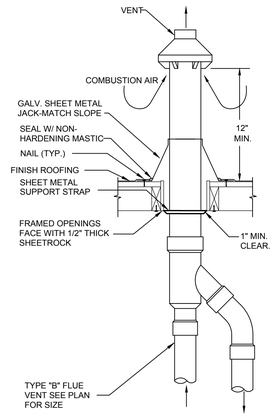
5541.147C



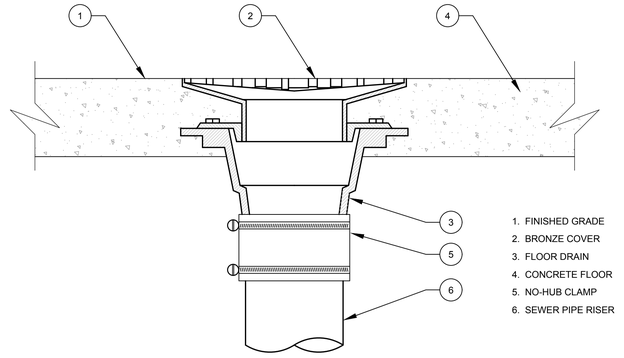
NOTES:

1. UNLESS OTHERWISE NOTED, ALL VALVES & FITTINGS SHALL BE LINE SIZE. USE BELL REDUCERS WHERE REDUCERS ARE REQUIRED. SEE PLANS FOR SIZES.
2. WATER HEATERS SHALL BE SET AT A MAXIMUM TEMPERATURE OF 120° F.

1 P-3 **WATER HEATER PIPING DIAGRAM**
SCALE: NONE

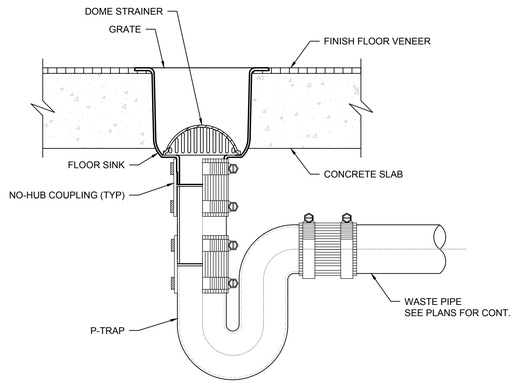


2 P-3 **CONCENTRIC VENT DETAIL**
SCALE: NONE

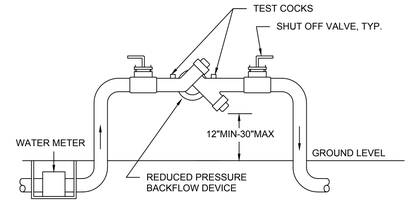


1. FINISHED GRADE
2. BRONZE COVER
3. FLOOR DRAIN
4. CONCRETE FLOOR
5. NO-HUB CLAMP
6. SEWER PIPE RISER

3 P-3 **FLOOR DRAIN DETAIL**
SCALE: NONE



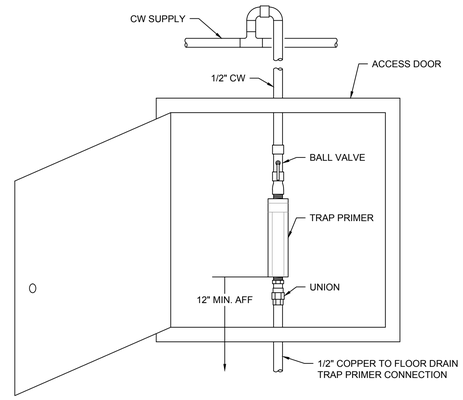
4 P-3 **FLOOR SINK DETAIL**
SCALE: NONE



NOTES:

1. DEVICE USED MUST BE ON WATER DEPT. APPROVED REDUCED PRESS. BACKFLOW PREVENTION DEVICE LIST.
2. TEST COCKS AND SHUTOFF VALVES MUST BE SUPPLIED AS SHOWN.
3. DISCHARGE PORT MUST BE KEPT CLEAR OF OBSTRUCTIONS AT ALL TIMES.
4. ANY DEVIATION MUST RECEIVE PRIOR WATER DEPT. APPROVAL.
5. THE BACKFLOW DEVICE AT THE WATER METER MUST BE INSPECTED BY A TESTING FIRM APPROVED BY THE WATER DEPT. AND THE RESULTS OF THAT INSPECTION SUBMITTED TO THE PUBLIC WORKS DEPARTMENT.

5 P-3 **BACKFLOW DEVICE DETAIL**
SCALE: NONE



6 P-3 **TRAP PRIMER DETAIL**
SCALE: NONE

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JANUARY 5, 2023 CALA PROJECT NO. 21013

MCKINLEY PARK RENOVATIONS PROJECT

PLUMBING - DETAILS

Revision No.	Description	Date	By	Aprvd. By

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE	SHEET NO. P-3
DESIGNED BY		CITY ENGINEER	149 OF 158 SHTS
DRAWN BY			WR21017 PROJECT NO.
CHECKED BY			
RECORD DWGS.		STOCKTON, CALIFORNIA	

REGISTERED PROFESSIONAL ENGINEER — LEN LAMPRECHT — 30039 — MECHANICAL — STATE OF CALIFORNIA

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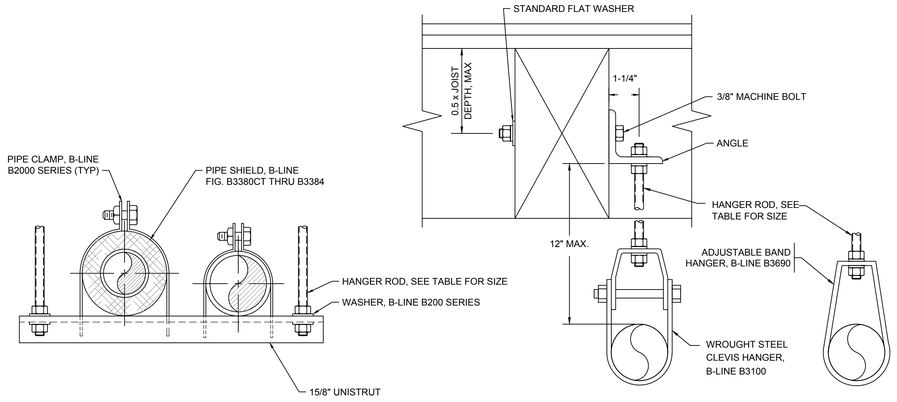
5541.148C



1 P-4 PIPE HANGER DETAIL

SCALE: NONE

COPPER TUBE & PIPE HANGER SCHEDULE

HORIZONTAL SUPPORT

PIPE WITH SOLDER OR BRAZED JOINTS

PIPE SIZE	HANGER ROD	MAX HORIZONTAL SPAN
1/2" - 1-1/2"	3/8"	6'
2" - 4"	3/8"	10'
6"	1/2"	10'

COPPER TUBE AND PIPE WITH SOLDER, BRAZED OR WELDED JOINTS, SIZES DEVELOPED FROM TABLE 313.3 & TABLE 313.6 OF THE 2019 CPC.

ALL PIPE SHALL BE SUPPORTED WITHIN 18" OF A JOINT.

SEISMIC BRACING IS REQUIRED FOR ALL PIPE *EXCEPT:*

1. ANY PIPE SUSPENDED 12" OR LESS IN LENGTH FROM TOP OF PIPE TO BOTTOM OF SUPPORT STRUCTURE ("L" THIS DETAIL)
2. PIPE ≤ 2" DIAMETER VENT, GAS, OR EMPTY SCH 40 STEEL PIPE
3. PIPE ≤ 1-1/2" DIAMETER FULL SCH 40 STEEL PIPE
4. PIPE ≤ 3" DIAMETER VENT, GAS, OR EMPTY SCH 40 COPPER PIPE
5. PIPE ≤ 2" DIAMETER FULL COPPER PIPE
6. ANY PIPE WITH AN OPERATING WEIGHT ≤ 5 LBS/FT. PIPES WITH HAZARDOUS CONTENTS (MEDICAL GASES, FUEL OIL, NATURAL GAS, ETC) SHALL BE BRACED REGARDLESS OF WEIGHT.
7. PIPE ≤ 1" SERVING MEDICAL GAS, FUEL OIL, NATURAL GAS OR ANY OTHER HAZARDOUS MATERIAL (MEDICAL VACUUM & COMPRESSED AIR ARE NON-HAZARDOUS)
8. ANY OTHER PIPE ≤ 1"

STEEL& BRASS PIPE HANGER SCHD GAS

HORIZONTAL SUPPORT

PIPE WITH THREADED OR WELDED JOINTS

PIPE SIZE	HANGER ROD	MAX HORIZONTAL SPAN
1/2"	3/8"	6'
3/4" - 1"	3/8"	8'
1-1/4" - 4"	3/8"	10'
6"	1/2"	10'

STEEL PIPE FOR GAS THREADED OR WELDED JOINTS, SIZES DEVELOPED FROM TABLE 313.3 & TABLE 313.6 OF THE 2019 CPC.

ALL PIPE SHALL BE SUPPORTED WITHIN 18" OF A JOINT.

SEISMIC BRACING IS REQUIRED FOR ALL PIPE *EXCEPT:*

1. ANY PIPE SUSPENDED 12" OR LESS IN LENGTH FROM TOP OF PIPE TO BOTTOM OF SUPPORT STRUCTURE ("L" THIS DETAIL)
2. PIPE ≤ 2" DIAMETER VENT, GAS, OR EMPTY SCH 40 STEEL PIPE
3. PIPE ≤ 1-1/2" DIAMETER FULL SCH 40 STEEL PIPE
4. PIPE ≤ 3" DIAMETER VENT, GAS, OR EMPTY SCH 40 COPPER PIPE
5. PIPE ≤ 2" DIAMETER FULL COPPER PIPE
6. ANY PIPE WITH AN OPERATING WEIGHT ≤ 5 LBS/FT. PIPES WITH HAZARDOUS CONTENTS (MEDICAL GASES, FUEL OIL, NATURAL GAS, ETC) SHALL BE BRACED REGARDLESS OF WEIGHT.
7. PIPE ≤ 1" SERVING MEDICAL GAS, FUEL OIL, NATURAL GAS OR ANY OTHER HAZARDOUS MATERIAL (MEDICAL VACUUM & COMPRESSED AIR ARE NON-HAZARDOUS)
8. ANY OTHER PIPE ≤ 1"

SCH 40 PVC & ABS PIPE HANGER SCHEDULE

HORIZONTAL SUPPORT

SOLVENT CEMENTED JOINTS

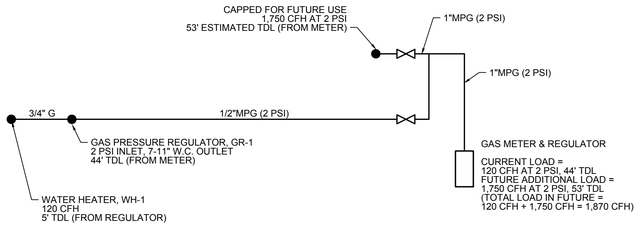
PIPE SIZE	HANGER ROD	MAX HORIZONTAL SPAN
1/2" - 1-1/2"	3/8"	4'
2" - 4"	3/8"	4'
6"	1/2"	4'

SCH 40 PVC & ABS PIPE WITH SOLVENT CEMENTED PIPE JOINTS, SIZES DEVELOPED FROM TABLE 313.3 & TABLE 313.6 OF THE 2019 CPC.

ALL PIPE SHALL BE SUPPORTED WITHIN 18" OF A JOINT.

SEISMIC BRACING IS REQUIRED FOR ALL PIPE *EXCEPT:*

1. ANY PIPE SUSPENDED 12" OR LESS IN LENGTH FROM TOP OF PIPE TO BOTTOM OF SUPPORT STRUCTURE ("L" THIS DETAIL)
2. ANY PIPE WITH AN OPERATING WEIGHT ≤ 5 LBS/FT. PIPES WITH HAZARDOUS CONTENTS (MEDICAL GASES, FUEL OIL, NATURAL GAS, ETC) SHALL BE BRACED REGARDLESS OF WEIGHT.
3. PIPE ≤ 1" SERVING MEDICAL GAS, FUEL OIL, NATURAL GAS OR ANY OTHER HAZARDOUS MATERIAL (MEDICAL VACUUM & COMPRESSED AIR ARE NON-HAZARDOUS)
4. ANY OTHER PIPE ≤ 1"



NOTES: GAS PIPING SIZED PER 2019 CPC TABLE 1215.2(1) AND 1215.2(4)

2 P-4 GAS PIPING DIAGRAM

SCALE: NONE

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JANUARY 5, 2023 CALA PROJECT NO. 21013

MCKINLEY PARK RENOVATIONS PROJECT

PLUMBING - DETAILS

Revision No.	Description	Date	By	Aprvd. By
1	RESPONSE TO PERMIT CYCLE 1 COMMENTS	11/14/2022		

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE	SHEET NO.
DESIGNED BY			P-4
DRAWN BY		CITY ENGINEER	150 OF 158 SHTS
CHECKED BY			WR21017
RECORD DWGS.		STOCKTON, CALIFORNIA	PROJECT NO.

5541.149C

REGISTERED PROFESSIONAL ENGINEER — JEN LAU — No. M30659 — MECHANICAL — STATE OF CALIFORNIA

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Consulting Mechanical Engineers
1400 Lone Palm Ave, Suite A
Modesto, CA 95351
Tel: 209.572.7399 Fax: 209.236.1579
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260500 ELECTRICAL WORK FOR COMMON RESULTS:

1. ELECTRICAL INSTALLATION SHALL COMPLY WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS, INCLUDING THE FOLLOWING:
TITLE 24, CCR, PART 2, 2016 CBC
TITLE 24, CCR, PART 3, 2016 CEC
TITLE 24, CCR, PART 4, 2016 CMC
TITLE 24, CCR, PART 9, 2016 CFC
TITLE 24, CCR, PART 6, 2016 CALIFORNIA ENERGY CODE
TITLE 24, CCR, PART 11, 2016 CALIFORNIA GREEN BUILDING STANDARDS CODE
ALL APPLICABLE LOCAL CODES

2. PROVIDE ALL LABOR, MATERIALS, TOOLS, PLANT EQUIPMENT, TRANSPORTATION AND PERFORM ALL OPERATIONS NECESSARY FOR ANY REASONABLE INCIDENTAL TO PROPER EXECUTION AND COMPLETION OF ALL "ELECTRICAL WORK" WHETHER SPECIFICALLY MENTIONED OR NOT; ALL AS INDICATED, SPECIFIED HEREIN, AND/OR IMPLIED THEREBY TO CARRY OUT THE APPARENT INTENT THEREOF.

3. ALL MATERIALS SHALL BE NEW AND LISTED WITH THE UNDERWRITERS' LABORATORIES, INC., SHALL MEET THEIR REQUIREMENTS AND SHALL BEAR THEIR LABEL WHEREVER STANDARDS HAVE BEEN ESTABLISHED AND LABEL SERVICE IS REGULARLY FURNISHED BY THAT AGENCY.

4. ELECTRICAL DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC AND ALTHOUGH THE SIZE AND LOCATIONS OF EQUIPMENT ARE SHOWN TO SCALE WHEREVER POSSIBLE, CONTRACTOR SHALL MAKE USE OF ALL DATA IN ALL CONTRACT DOCUMENTS AND VERIFY THIS INFORMATION AT THE SITE. CONTRACTOR SHALL BE RESPONSIBLE FOR LAYING OUT AND INSTALLING HIS WORK TO AVOID INTERFERENCE WITH OTHER TRADES.

5. WORK SHOWN ON THE DRAWINGS TO BE INSTALLED UNDERGROUND SHALL BE INSTALLED AT LEAST 24" BELOW GRADE UNLESS OTHERWISE NOTED. BACKFILL IN 6" THICK, PROPERLY MOISTENED LAYERS, SOLIDLY PACKED AND IRON TAMPED TO A DENSITY NOT LESS THAN THAT OF ADJACENT, UNDISTURBED EARTH. RESTORE SURFACES, ROADWAYS, WALKS, CURBS, WALLS AND EXISTING UNDERGROUND INSTALLATIONS TO ORIGINAL CONDITION IN AN ACCEPTABLE MANNER.

6. ALL ELECTRICAL EQUIPMENT EXPOSED TO THE WEATHER SHALL BE LISTED FOR EXTERIOR USE.

7. ALL U.L. LISTED EQUIPMENT SHALL BE INSTALLED AS PER THEIR LISTING OR LABELING.

8. IN LOCATIONS WHERE ELECTRICAL EQUIPMENT WOULD BE EXPOSED TO PHYSICAL DAMAGE, ENCLOSURES OR GUARDS SHALL BE SO ARRANGED AND OF SUCH STRENGTH AS TO PREVENT SUCH DAMAGE.

9. CONFLICTS BETWEEN SPECIFICATIONS AND PLANS:

a. ANY CONFLICT BETWEEN ELECTRICAL SPECIFICATIONS AND ELECTRICAL PLANS; OR BETWEEN ELECTRICAL PLANS AND PLANS OF ANOTHER DISCIPLINE SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND A RESOLUTION RECEIVED PRIOR TO PROCUREMENT OR INSTALLATION OF THE ITEM IN QUESTION.

b. IF THE CONTRACTOR PROCEEDS WITH THE WORK WITHOUT RECEIVING ANY RESOLUTION TO THE CONFLICT HE/SHE DOES SO AT HIS/HER OWN RISK AND SHALL RECTIFY THE WORK TO THE SATISFACTION OF THE ENGINEER AT NO ADDITIONAL COST TO THE OWNER OR ENGINEER.

260500.01. HVAC SYSTEMS:

1. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH MECHANICAL CONTRACTOR FOR EXACT LOCATIONS OF ALL HVAC UNITS, DISCONNECTS AND DEVICES IN FIELD. COORDINATE ROOF PENETRATIONS FOR DISCONNECTS AND WEATHERPROOF OUTLETS WITH ELECTRICAL CONNECTION POINTS ON THE UNITS TO KEEP FLEXIBLE CONDUIT LENGTH TO A MINIMUM (36" MAXIMUM). VERIFY AND CONFIRM THE ACTUAL MOUNTING LOCATION ON THE HVAC UNIT FOR THE DISCONNECT. ALL SERVICING OUTLETS ON THE ROOF OR OUTDOORS FOR HVAC UNITS SHALL BE WP/GFI.

2. THE RATING OF THE DISCONNECT SHALL BE SUCH AS TO ENABLE THE LARGEST FUSE SIZE ON THE UNIT NAMEPLATE TO BE INSTALLED IN THE DISCONNECT. PROVIDE FUSES OF THIS RATING.

3. FURNISH AND INSTALL ALL LINE VOLTAGE CONDUITS AND LINE VOLTAGE WIRING (LOW VOLTAGE CONDUITS AND WIRING BY MECHANICAL) TO HVAC EQUIPMENT AND ASSOCIATED CONTROLS AND DEVICES AS SHOWN ON THE ELECTRICAL AND MECHANICAL PLANS, UNLESS OTHERWISE NOTED.

4. RUN ALL CONDUITS FOR ROOFTOP EQUIPMENT WITHIN CEILING SPACE BELOW. SURFACE CONDUIT RUNS ON THE ROOF ARE NOT PERMITTED ON THIS PROJECT.

5. DISCONNECTS SHALL NOT BE USED AS THROUGH RACEWAYS FOR WIRING NOT DIRECTLY SERVING THE DISCONNECTS. SERVICING OUTLETS SHALL NOT BE MOUNTED ON DISCONNECTS.

260500.02. SUBMITTALS:

1. PROVIDE THE FOLLOWING SUBMITTALS FOR REVIEW AND APPROVAL. EACH SHALL BE SUBMITTED SEPARATELY TO AVOID DELAYS IN THE REVIEW OF ONE SUBMITTAL IN HOLDING UP REVIEW OF THE REMAINDER.

a. BASIC ELECTRICAL MATERIALS
b. LIGHT FIXTURES
c. LIGHTING CONTROLS
d. PANEL BOARDS

260500.03. WORKING CLEARANCES FOR ELECTRICAL SWITCHGEAR:

1. PROVIDE WORKING SPACES FOR ELECTRICAL PANELS AND SWITCHGEAR TO COMPLY WITH CEC 110.26.

2. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH ALL TRADES INVOLVED TO ENSURE THE CLEARANCES REQUIRED BY ITEM 1 ABOVE ARE PROVIDED.

260526. GROUNDING:

1. GROUND AND BOND ALL EQUIPMENT AS REQUIRED BY GOVERNING CODES AND SPECIFICALLY INCLUDING SWITCHBOARD, PANELBOARDS, MOTOR CASES, METAL PIPING SYSTEMS, STRUCTURAL STEEL, ETC.

2. PROVIDE GROUND WIRES IN ALL FEEDERS AND BRANCH CIRCUITS, SIZE PER CEC TABLE 250.122

3. ALL GROUND WIRES SHALL BE INSULATED GROUND WIRES.

260529. INSTALLATION OF SUPPORT SYSTEMS

1. RACEWAYS, CABLE ASSEMBLIES, BOXES, CABINETS, AND FITTINGS SHALL BE SECURELY FASTENED IN PLACE PER CEC ARTICLE 300.11. SUPPORT WIRES THAT DO NOT PROVIDE SECURE SUPPORT SHALL NOT BE PERMITTED AS THE SOLE SUPPORT. SUPPORT WIRES AND ASSOCIATED FITTINGS THAT PROVIDE SECURE SUPPORT AND THAT ARE INSTALLED IN ADDITION TO THE CEILING GRID SUPPORT WIRES SHALL BE PERMITTED AS THE SOLE SUPPORT. WHERE INDEPENDENT SUPPORT WIRE ARE USED, THEY SHALL BE SECURED AT BOTH ENDS. CABLES AND RACEWAYS SHALL NOT BE SUPPORTED BY CEILING GRIDS.

2. FURNISH ALL NECESSARY FOUNDATIONS, SUPPORTS, BACKING, ETC., FOR ALL ELECTRICAL ENCLOSURES, CONDUITS AND EQUIPMENT.

3. ATTACH ALL BOXES, CABINETS, ETC. TO WOOD WITH WOOD OR LAG SCREWS, TO METAL WITH MACHINE SCREWS OR BOLTS AND TO CONCRETE WITH EXPANSION ANCHORS AND MACHINE SCREWS OR BOLTS.

2. RIGID STEEL CONDUIT SHALL BE SUPPORTED AT INTERVALS NOT GREATER THAN 10 FT, ELECTRICAL METALLIC TUBING AT INTERVALS NOT GREATER THAN 5 FT.

3. A SUPPORT SHALL BE PROVIDED NOT MORE THAN 3 FT. FROM ANY CHANGE IN DIRECTION. ADDITIONAL SUPPORTS TO THOSE SPECIFIED ABOVE SHALL BE INSTALLED WHERE REQUIRED TO SUIT JOB CONDITIONS AND TO PROVIDE A SECURE INSTALLATION. ALL HANGERS AND SUPPORTS SHALL BE THE PRODUCTS OF ONE MANUFACTURER.

260533. PULL OR JUNCTION BOXES:

1. INSTALL WHERE INDICATED, OR AS REQUIRED BY CODE, PULL BOXES AND JUNCTION BOXES OF SUFFICIENT SIZE AND CAPACITY TO FACILITATE ALL WIRING. BOXES SHALL BE SIZED TO PROPERLY ACCOMMODATE ALL CONDUCTORS ENTERING SAME.

2. BOXES SHALL BE OF THE SHAPE AND SIZE BEST SUITED FOR THE PARTICULAR APPLICATION AND SHALL BE SUPPORTED DIRECTLY TO STRUCTURAL MEMBERS, FRAMING OR BLOCKING BY MEANS OF SCREWS, ANCHORS, BOLTS OR EMBEDDED IN MASONRY.

A. SWITCH AND RECEPTACLE BOX SHALL BE ONE PIECE DRAWN OR STAMPED STEEL BOXES MINIMUM SIZE SHALL BE FOUR INCHES (4") SQUARE. BOXES SHALL BE FITTED WITH FLUSH DEVICE COVERS, PLASTER RINGS, OR TILE SWITCH RINGS IN MASONRY IN AREA WHERE EXPOSED WIRING IS PERMISSIBLE, BOXES SHALL BEFITTED WITH SURFACE TYPE COVERS.

B. LIGHTING OUTLETS SHALL BE FOUR INCHES (4")OCTAGON, MINIMUM.

C. WEATHERPROOF BOXES SHALL BE APPLETON FD SERIES AND FITTED WITH GASKETED CAST COVERS.

D. VOICE/DATA OUTLET BOXES SHALL BE 4_11/16"SQ.x2_1/8" DEEP MINIMUM, FITTED WITH PLASTER RINGS.

E. BOXES FOR SPECIAL EQUIPMENT SHALL BE SUITABLE FOR THE PARTICULAR EQUIPMENT.

F. BOXES SHALL BE LOCATED AND PLACED ACCORDING TO ARCHITECTURAL AND STRUCTURAL REQUIREMENTS.

260550. WIRING METHODS: LINE VOLTAGE SYSTEMS (120V AND ABOVE):

1. ALL WIRING SHALL BE INSTALLED IN CONDUITS. CONDUITS SHALL BE RUN CONCEALED IN WALLS AND CEILINGS WHERE FEASIBLE. ALL CONDUITS INSTALLED SURFACE ON WALL SHALL BE PAINTED TO MATCH WALL FINISH. MOUNT EXTERIOR CONDUITS ON WALL ON GALVANIZED UNISTRUTS. ALL SURFACE CONDUIT INSTALLATION/ RUNS SHALL BE APPROVED BY THE ARCHITECT PRIOR TO INSTALLATION.

2. ALL CONDUITS RUN WITHIN INTERIOR FINISHED SPACES SUCH AS OFFICES, BREAKROOM, RESTROOM ETC. SHALL BE RUN CONCEALED.

3. ALL CONDUITS RUN IN DEDICATED ELECTRICAL AND MECHANICAL ROOMS SHALL BE RUN EXPOSED.

4. MINIMUM CONDUIT SIZE SHALL BE 1/2" ABOVE GRADE AND 3/4" UNDERGROUND.

5. MINIMUM ACCEPTABLE CONDUITS ARE:

A. GALVANIZED RIGID STEEL - FOR USE ON:
(1) EXTERIOR WALL SURFACES.

B. GALVANIZED STEEL EMT FOR USE:
(1) CONCEALED IN INDOOR FINISHED SPACES.
(2) EXPOSED INSIDE ELECTRICAL & MECHANICAL ROOMS.

C. LIQUID TIGHT STEEL FLEX:
(1) FOR FINAL CONNECTION TO OUTDOOR EQUIPMENT. LENGTH SHALL NOT EXCEED 36".

D. FLEXIBLE STEEL CONDUIT:
(1) FOR INDOOR FINAL CONNECTION TO RECESSED LIGHT FIXTURES. LENGTH SHALL NOT EXCEED 72".
(2) FOR INDOOR FINAL CONNECTION TO HVAC EQUIPMENT. LENGTH SHALL NOT EXCEED 36".

E. "PVC" SCHEDULE 40;
(1) FOR CONDUITS RUN UNDERGROUND AND FOR UNDER BUILDING SLAB.
(2) CONDUIT STUBUPS THROUGH THE FLOOR OR GRADE SHALL BE IN PVC WRAPPED RIGID STEEL CONDUIT. PVC WRAPPING SHALL EXTEND 6" ABOVE FINISHED FLOOR OR GRADE.
(3) NOT PERMITTED FOR WIRING ABOVE FINISHED FLOOR INSIDE BUILDINGS

F. ALUMINUM CONDUITS, IMC CONDUITS OR ALUMINUM FITTINGS ARE NOT APPROVED FOR USE ON THIS PROJECT.

G. ALL CONDUIT FITTINGS SHALL BE MALLEABLE IRON/STEEL.

H. COUPLING:
(1) EMT COUPLING - APPLETON TWC-CS SERIES
(2) EMT CONNECTOR - APPLETON TW-CSI SERIES
(3) FLEX CONDUIT CONNECTOR - T&B "TITE BITE", INSULATED
(4) LIQUID TIGHT FLEX CONDUIT CONNECTOR - APPLETON "STB" SERIES UP TO 2", "ST" SERIES OVER 2".

I. RIGID STEEL CONDUIT CONNECTED TO BOXES AND CABINETS SHALL BE FITTED WITH TWO LOCKNUTS AND INSULATING BUSHING, OA "A" SERIES. PROVIDE GROUNDING BUSHING OZ "BL" SERIES WHERE LOCKNUTS AND BUSHING IS NOT USED. CONDUITS CONNECTED TO BOXES EXPOSED TO WEATHER/MOISTURE SHALL BE FITTED WITH WATERTIGHT SEALING HUBS OF STEEL OR MALLEABLE IRON WITH SEALING RING AND INSULATED THREAT, T & B 370 SERIES.

J. TYPE NM AND NMC CABLES SHALL NOT BE USED ON THIS PROJECT.

6. CONDUCTORS SHALL BE COPPER CONDUCTORS TYPE THHN/THWN UNLESS OTHERWISE NOTED OR REQUIRED BY CODE.

7. ALL DEVICES, CONDUITS, RACEWAYS AND CABLES SHOWN ARE NEW TO BE PROVIDED UNLESS OTHERWISE NOTED.

8. FLASH AND COUNTERFLASH ALL ITEMS PASSING THROUGH THE ROOF.

260551. INSTALLATION OF RACEWAYS AND FITTINGS

1. CONCEAL RACEWAYS WITHIN CEILINGS, WALLS, AND FLOORS EXCEPT WHERE EXPOSED RACEWAYS ARE SPECIFICALLY PERMITTED.

2. WHERE CONDUIT IS ALLOWED TO BE EXPOSED, INSTALL THE CONDUIT PARALLEL WITH OR AT RIGHT ANGLES TO STRUCTURAL MEMBERS, WALLS, AND LINES OF THE BUILDING.

3. INSTALL WHERE INDICATED, OR AS REQUIRED BY CODE, PULLBOXES AND JUNCTION BOXES OF SUFFICIENT SIZE TO FACILITATE WIRING. BOXES SHALL BE SIZED TO PROPERLY ACCOMMODATE ALL CONDUCTORS ENTERING SAME.

4. DO NOT INSTALL CONDUIT OR TUBING WHICH HAS BEEN CRUSHED OR DEFORMED.

5. RUN CONDUCTORS OF SAME CIRCUIT IN SAME CONDUIT. RUN CONDUCTORS OF DIFFERENT VOLTAGE SYSTEMS IN SEPARATE CONDUITS.

6. INSTALL NO CONDUCTORS UNTIL WORK WHICH MIGHT CAUSE DAMAGE TO SUCH CONDUCTORS OR THE CONDUIT HAS BEEN COMPLETED.

7. KEEP ALL CONDUITS AT LEAST SIX INCHES AWAY FROM THE COVERING ON HOT WATER OR STEAM PIPES.

8. CAP RACEWAY ENDS DURING CONSTRUCTION. CLEAN OR REPLACE CONDUITS IN WHICH WATER OR FOREIGN MATTER HAVE ACCUMULATED, TO THE SATISFACTION OF THE ARCHITECT.

9. CONDUITS SHALL BE SUPPORTED WITH STRAPS, WITH GALVANIZED MALLEABLE SPLIT RING AND ROD FOR INDIVIDUAL RUNS OR WITH KINDORF OR UNISTRUT CHANNEL SUPPORTS FOR MULTIPLE RUNS. DISTANCE BETWEEN SUPPORTS SHALL NOT EXCEED 10 FEET. CONDUITS SHALL BE SUPPORTED INDEPENDENTLY OF ONE ANOTHER.

10. CONDUITS CONNECTED TO BOXES AND CABINETS SHALL BE FITTED WITH TWO LOCKNUTS AND INSULATED BUSHING, OA "A" SERIES.

11. CONDUITS NOT CONNECTED WITH LOCKNUTS AND BUSHINGS SHALL BE FITTED WITH GROUNDING BUSHING, OZ "BL" SERIES, U. L. APPROVED AND BONDED.

12. CONDUIT STRAPS FOR INDIVIDUAL RUNS SHALL BE SECURED BY TOGGLE BOLTS ON HOLLOW MASONRY, EXPANSION ANCHORS ON SOLID CONCRETE OR MASONRY, MACHINE SCREWS OR BOLTS ON METAL SURFACES AND WOOD SCREWS ON WOOD CONSTRUCTION. THE USE OF NAILS TO ANCHOR STRAPS ON WOOD CONSTRUCTION IS PROHIBITED. STRAPS SHALL BE TWO HOLE MALLEABLE IRON OR SNAP-TYPE STEEL WITH RIBBED BACK, GALVANIZED OR CADMIUM PLATED. THE USE

13. PLACEMENT OF ALL BOXES SHALL BE GOVERNED BY APPLICABLE ARCHITECTURAL AND STRUCTURAL REQUIREMENTS.

14. CONDUIT FITTINGS: EXCEPT WHERE OTHERWISE NOTED, CONDUIT FITTINGS SHALL BE APPLETON OR APPROVED EQUAL. UNILETS SHALL BE MALLEABLE IRON AND FITTED WITH COVERS AND GASKETS.

15. TELEPHONE AND SIGNAL CONDUIT BENDS WHERE REQUIRED SHALL HAVE A RADIUS OF TEN TIMES THE CONDUIT TRADE SIZE.

16. PROVIDE PULL TAPE IN ALL EMPTY CONDUITS.

260553. NAMEPLATES & IDENTIFICATION:

1. INSTALL ENGRAVED NAMEPLATES FOR EACH PANELBOARD, CABINET, DISCONNECT, ETC. NAMEPLATES SHALL BE SECURELY FASTENED TO THE EQUIPMENT WITH #4 PHILLIPS ROUND HEAD CADMIUM PLATED SELF-TAPPING SCREWS, BRASS BOLT.

2. PROVIDE CIRCUIT LABEL INDICATING PANEL AND CIRCUIT NUMBER ON EACH COVERPLATE FOR EACH RECEPTACLE AND LIGHT SWITCH, MOTION SENSOR SWITCH. SUCH LABEL SHALL BE SELF ADHESIVE WHITE TAPE WITH BLACK LETTERS MADE ON A LABEL MAKER.

3. ALL CONTROLLED RECEPTACLES SHALL BE PERMANENTLY MARKED TO DIFFERENTIATE THEM FROM UNCONTROLLED RECEPTACLES PER CALIFORNIA ENERGY CODE SECTION 130.5(d)(3).

260573. ARC FLASH HAZARDS:

1. PROVIDE WARNING LABEL ON ELECTRICAL EQUIPMENT OF POSSIBLE ARC FLASH HAZARDS PER C.E.C. 110.16.

260800. TESTING:

1. THE ENTIRE ELECTRICAL INSTALLATION SHALL BE FREE FROM SHORT CIRCUITS AND IMPROPER GROUNDS. TEST ALL WIRING AND CONNECTIONS FOR CONTINUITY AND GROUNDS BEFORE ANY FIXTURES OR EQUIPMENT ARE CONNECTED AND WHERE SUCH TESTS INDICATE FAULTY INSULATION OR OTHER DEFECTS, THEY SHALL BE LOCATED, REPAIRED AND RETESTED AT THE CONTRACTOR'S EXPENSE. PROVIDE ALL INSTRUMENTS TO MAKE SUCH TESTS.

2. DEMONSTRATE TO THE OWNER AND THE ARCHITECT, THAT THE ENTIRE INSTALLATION IS COMPLETE, IN PROPER OPERATING CONDITION AND THAT THE CONTRACT HAS BEEN PROPERLY AND FULLY EXECUTED.

262417. PANELBOARDS:

1. UNITS SHALL BE FLUSH OR SURFACE MOUNTED AS INDICATED ON THE PANEL SCHEDULE, WITH THE NUMBER AND SIZE OF BREAKERS AS INDICATED ON THE PANEL SCHEDULE. SINGLE POLE, TWO POLE, AND THREE POLE BREAKERS SHALL BE BOLT-ON TYPE. MULTIPLE POLE BREAKERS SHALL HAVE COMMON INTERNAL TRIP CONNECTION. SINGLE POLE BREAKERS SHALL NOT BE TIED AT HANDLES TO FORM MULTIPLE POLE BREAKERS. THE PANEL DOORS SHALL BE DOOR-IN-DOOR CONSTRUCTION AND SHALL HAVE FLUSH TYPE LOCKS, ALL LOCKS SHALL BE KEYED ALIKE AND HAVE TYPEWRITTEN DIRECTORIES INDICATING FIXTURES, EQUIPMENT, OR OUTLETS SERVICE BY EACH BREAKER. PANELS SHALL HAVE COPPER BUSSING.

262726. WIRING DEVICES:

1. UNITS SHALL BE EQUAL TO THE DEVICES SET FORTH HEREIN, IN STANDARD COLORS (BROWN, WHITE, GREY, BEIGE OR IVORY) AS SELECTED BY THE ARCHITECT:

A. WIRING DEVICES	LEVITON #	HUBBELL #	P & S #
SINGLE POLE SWITCH, 15A	1201-2	HBL1201	PS15AC1
DOUBLE POLE SWITCH, 15A	1202-2	HBL1202	PS15AC2
THREE WAY SWITCH, 15A	1203-2	HBL1203	PS15AC3
DUPLEX CONV. OUTLET, 15A	5262	HBL5262	5262
DUPLEX CONV. OUTLET, 20A	5362	HBL5362	5362
DUPLEX CONV. GFI OUTLET, 15A	6599	GF15	1595L
DUPLEX CONV. GFI OUTLET, 20A	6899	GF15	2095L

2. THE CONTROLLED OUTLET SHALL HAVE PERMANENT UNIQUE MARKING PROVIDED BY THE MANUFACTURER OF THE RECEPTACLE.

3. THE MOUNTING HEIGHTS OF LIGHT SWITCHES, RECEPTACLES AND CONTROLS SHALL BE MAXIMUM 48" MEASURED TO THE TOP OF BOXES OR MINIMUM 16" TO THE BOTTOM OF BOXES. SEE "LEGEND" FOR ACTUAL MOUNTING HEIGHTS OF DEVICES. VERIFY HEIGHT WITH ARCHITECT WHERE AN ACTUAL MOUNTING HEIGHT IS NOT CALLED OUT ON PLANS.

4. SINGLE RECEPTACLE SERVED BY INDIVIDUAL 20A BRANCH CIRCUIT DEDICATED TO THE OUTLET SHALL BE 20A RATED PER CEC 210.21(B)(1). ALL OTHERS SHALL BE 15A RATED.

262726.02. DEVICE PLATES:

1. ALL DEVICE PLATES FOR INDOOR USE SHALL BE STAINLESS STEEL.

2. ALL DEVICE BOXES WHICH ARE INSTALLED IN FIRE RATED WALL ASSEMBLY AND IS PROVIDED WITH A FIRE-STOPPING PUTTY PAD SHALL HAVE A BRUSHED STAINLESS STEEL COVERPLATE IN ACCORDANCE WITH THE REQUIREMENTS OF THE PUTTY PAD.

3. DEVICE COVERS FOR SURFACE MOUNTED BOXES SHALL BE 1/2" RAISED STEEL PLATES.

4. DEVICE COVERS FOR DEVICES LOCATED IN DAMP LOCATIONS SHALL COMPLY WITH CEC 406.9(A).

5. DEVICE COVERS FOR DEVICES LOCATED IN WET LOCATIONS SHALL COMPLY WITH CEC 406.9(B).

262729. DISCONNECT SWITCHES:

1. UNITS SHALL BE HEAVY DUTY FUSED DISCONNECT SWITCHES, TWO OR THREE POLE TYPE, WHERE INDICATED ON THE DRAWINGS, OR AS REQUIRED BY CODE. SWITCHES AND FUSES SHALL BE AS REQUIRED BY THE LOADS SERVING.

2. DISCONNECTS FOR FRACTIONAL HORSE POWER MOTORS SHALL BE MOTOR-RATED TOGGLE TYPE DISCONNECTS.

3. DISCONNECTS FOR SINGLE PHASE MOTORS SHALL BE SINGLE PHASE AND NOT THREE PHASE.

4. LOCATE DISCONNECTS IN ACCORDANCE WITH CEC 430.102. ENSURE ALL CODE-REQUIRED CLEARANCES.

265100. LIGHTING:

1. ALL LUMINARIES SHALL BE CERTIFIED BY THE MANUFACTURER TO THE CALIFORNIA ENERGY COMMISSION:

A. ALL LUMINARIES SPECIFIED ON THIS PROJECT SHALL BE AS NOTED IN THE "LIGHT FIXTURE SCHEDULE" ON THESE PLANS. NO SUBSTITUTES ARE PERMITTED WITHOUT WRITTEN APPROVAL OF THE ENGINEER.

B. ALL INTERIOR LUMINARIES SHALL BE PROVIDES WITH 0-10V DIMMING LED DRIVERS.

C. ALL EXTERIOR LUMINARIES SHALL BE PROVIDED WITH 0-10V DIMMING LED DRIVERS WITH INTEGRAL MOTION SENSORS WHERE SO NOTED.

280500 PUBLIC ADDRESS SYSTEM:

1. PROVIDE A COMPLETE PUBLIC ADDRESS SYSTEM WITH BOGEN VM150 INWALL AMPLIFIER, AMPLIFIER TO HAVE LINE INPUTS FOR DIFFERENT AUDIO SOURCES. PROVIDE MICROPHONE WITH ENCLOSURE.

2. PROVIDE SURFACE MOUNT ATLAS SOUNDELIER VANDAL RESISTANT SPEAKERS

3. PROVIDE ALL SPEAKER, MICROPHONE AND POWER CABLES AND CONNECTIONS AS REQUIRED.

CITY OF STOCKTON IT REQUIREMENTS:

1. ALL "NETWORK COMPLEMENTS" (EACH DATA JACK) IS TO BE 2 CAT 6 CABLES, ONE YELLOW AND ONE BLUE.
2. ALL WIRELESS ACCESS KEYSTONES ARE TO BE WHITE.
3. ALL WIRELESS ACCESS POINTS IN THE GYM AND MULTIPURPOSE ROOMS SHOULD HAVE WIREGUARDS. ALL EXTERIOR ACCESS POINTS TO HAVE WP COVERS.
4. ALL CABLING TO BE GATHERED ABOVE CEILINGS AND ON JHOOKS, SEE E301 FOR MAJOR ROUTING.

LABELING – THE FOLLOW FORMAT SHOULD BE USED FOR EACH NETWORK END USER CABLING DROP LOCATION:
NN-NNNA/B/C/D
NN IS THE NETWORK CLOSET
MDF = 01
IDF = 02
NNN: DROP (1 OR 2 GANG BOX LOCATION SEQUENTIALLY NUMBERED)
A/B/C/E: IDENTIFIES THE NETWORK CABLE WITHIN EACH DROP LOCATION
FOR EXAMPLE, 01-042A LABELED IN THE NETWORK CLOSET WOULD INDICATE MDF CLOSET - DROP LOCATION 42 WIRE A

FOR WIRELESS ACCESS POINT LABELING
AP-NN/A/B
BA – BUILDING AUTOMATED (SYSTEM)
BA-NN
PA – PUBLIC ANNOUNCEMENT (SYSTEM)
PA-NN
NN: DROP LOCATION SEQUENTIALLY NUMBERED

ELECTRICAL LEGEND

LIGHTING FIXTURES — FIXTURE NOTATIONS: A,(b),C-12 FIXTURE TYPE "A", SWITCH "b", CIRCUIT C-12

LINEAR FIXTURE
- SQUARE = RECESSED
- CIRCLE =SURFACE

DOWNLIGHT, SQUARE = RECESSED

WALL MOUNT

CEILING EXHAUST FAN

EXIT SIGN WITH 90 MIN BATTERY BACKUP

WALL MOUNT EMERGENCY LIGHT WITH 90 MIN BATTERY BACK

BASIC LIGHTING CONTROLS

LIGHT SWITCH, +48" TO TOP OF BOX
- T = TIMMER

WALL MOUNT OCCUPANCY SENSOR (LINE VOLTAGE)

TITLE 24 LIGHTING CONTROLS

LIGHT SWITCH

COMPONENTS OF DIMMING ROOM CONTROLLER
- US = LOW VOLTAGE OCCUPANCY SENSOR (CAT 5 OR AS REQUIRED)
- DRC = DIMMING ROOM CONTROLLER
- PE = LOW VOLTAGE DIMMING PHOTOCELL (CAT 5 OR AS REQUIRED)
- D = LOW VOLTAGE DIMMER (CAT 5 OR AS REQUIRED)
- R = PLUG LOAD CONTROLLER
- ADR = AUTOMATIC DEMAND RESPOSNE (FOR BUILDINGS OVER 10,000 SF)

NOTES:

1. FOR SUBMITTAL INCLUDE FACTORY CONTROL DRAWINGS.

2. CONDUCT A CONTROLS PRE-CONSTRUCTION MEETING WITH CONTROLS STARTUP TEAM. PROVIDE AGENDA AND ATTENDEES AS A SUBMITTAL. INCLUDE DEVICE I.D. TAGS, PROGRAMMING, CABLE ROUTING, PROGRAM AND TIME SCHEDULES AND DATE OF PROGRAMMING AND TESTING.

3. CONTRACTOR TO HAVE SYSTEM FACTORY SUPPORT FOR START UP, PROGRAMMING AND COMMISSIONING. VERIFY OPERATIONAL HOURS WITH OWNER PRIOR TO COMMISSIONING.

ELECTRICAL POWER

ALL LINE VOLTAGE WIRING IN CONDUIT, SEE GENERAL NOTES
TICKS = # OF #12 WIRE, SHORT = HOT, LONG = NEUTRAL, DOT = GROUND, UNLESS NOTED OTHERWISE

120V OUTLET, +18" TO BOTTOM OF BOX
- S = SIGN
- F = FLOOR
- GFI = GROUND FAULT INTERUPTER

COUNTER OUTLET

QUADRUPLEX OUTLET

HALF SWITCHED OUTLETS

DUCT SMOKE DETECTOR

JUCTION BOX

MOTOR / DISCONNECT

PANELBOARD

TRANSFORMER / SWITCHBOARD AS NOTED

COMMUNICATIONS

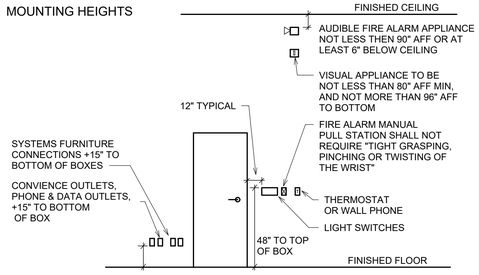
TELEPHONE BACKBOARD, PROVIDE #8 GND TO SERVICE GROUND

COMMUNICATIONS OUTLET, PHONE & DATA

PHONE ONLY OUTLET, PREWIRED WITH CAT 5e CABLE

DATA ONLY OUTLET JACK, PREWIRED WITH CAT 6 CABLE

MOUNTING HEIGHTS



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Gold River, CA 95670
T 916.985.4366
www.callanderassociates.com

NOVEMBER 14, 2022 CALA PROJECT NO. 21013

MCKINLEY PARK RENOVATIONS PROJECT

ELECTRICAL INFORMATION

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

HCS Engineering inc.
4512 Feather River Dr #F, Stockton, CA 95219
209-478-8270 | www.hcs-eng.com

REGISTERED PROFESSIONAL ENGINEER — RICHARD C. SMITH — No. E14303 Exp. 6-30-23 — ELECTRICAL — STATE OF CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By
1	PLAN CHECK #1	10.10.22	RCS	RCS
3	PERMIT CYCLE 2 COMMENTS	02.21.23	RCS	RCS

SCALE	AS SHOWN
DESIGNED BY	
DRAWN BY	
CHECKED BY	
RECORD DWGS.	

APPROVED BY: 7/24/23 DATE
CITY ENGINEER

SHEET NO. E1
151 OF 158 SHTS
WR21017 PROJECT NO.

STOCKTON, CALIFORNIA

5541.150C

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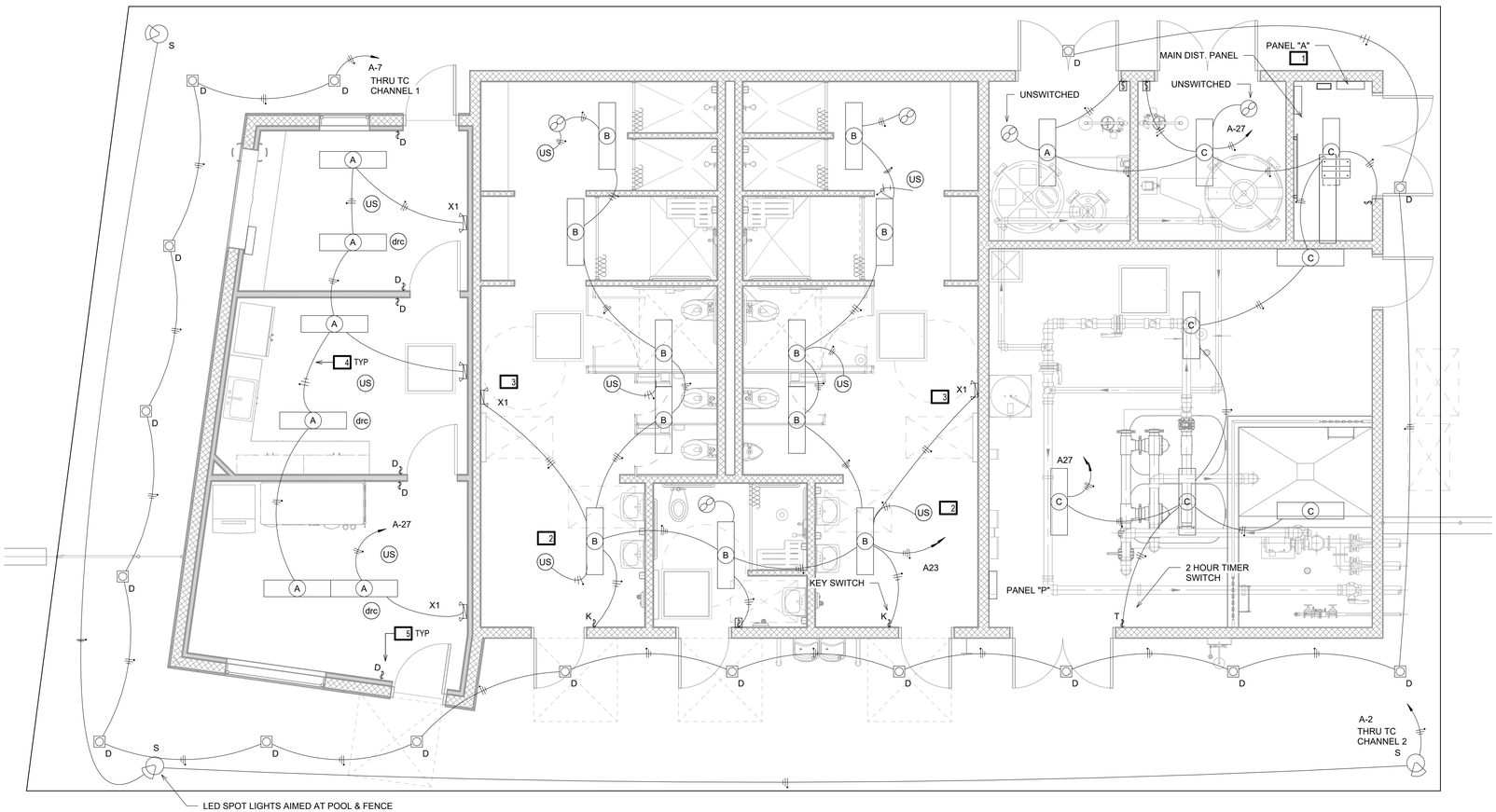
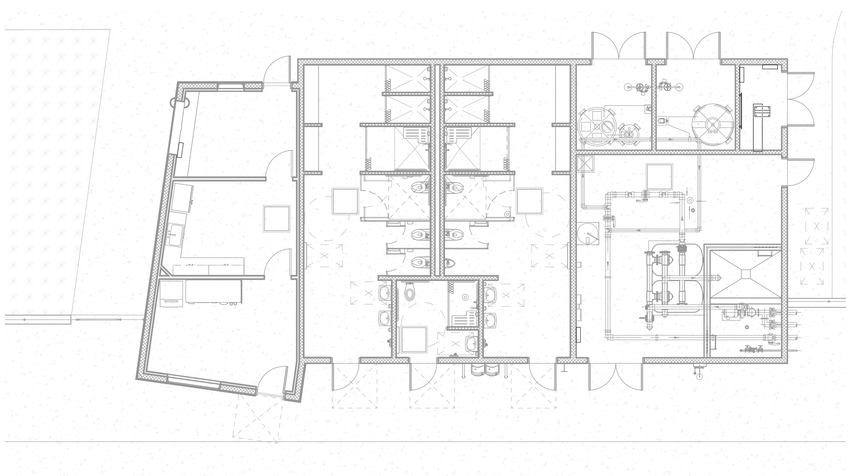
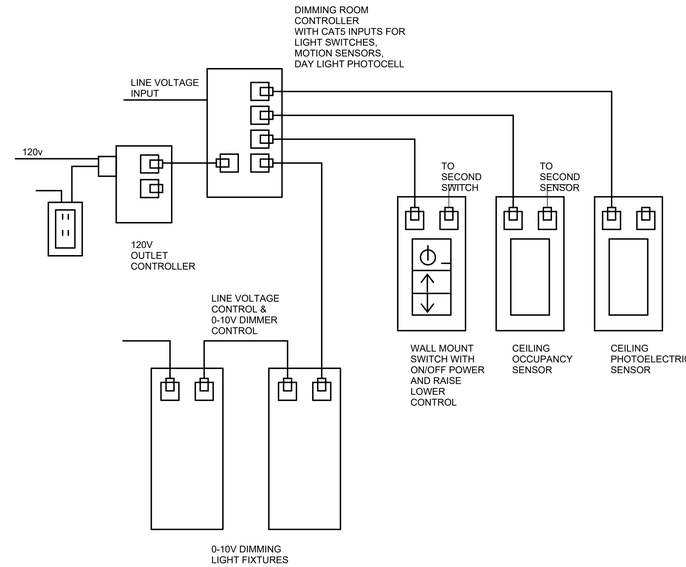
LIGHTING PLAN NOTES	
Note Number	Note
1	PROVIDE DUAL CHANNEL 7 DAY TIME CLOCK AND 350W INVERTER TO CONTROLL EXTERIOR LIGHTING
2	ROUTE POWER FOR RESTROOM LIGHTS THROUGH KEY SWITCH AND CEILING MOUNT, LINE VOLTAGE OCCUPANCY SENSORS. PROGRAAM OCCUPANCY SENSORS FOR 20 MINUTES. INTERCONNECT ALL SENSORS IN THE ROOM SO THAT IF ANY DETECTS MOTION, ALL THE LIGHTS STAY ON UNTIL VACANT.
3	EXTEND UNSWTICHED LIGHTING CIRCUIT POWER TO THE EMERGENCY LIGHTING FIXTURES.
4	LIGHTING CIRCUIT TO CONTAIN SWITCHED POWER, UNSWITCHED POWER, NEUTRAL, GROUND AND VIOLET & GREY 0-10V CONTROL CABLE.
5	INTERCONNECT LOW VOLTAGE LIGHTING CONTROL DEVICES PER LIGHTING CONTROL SCHEMATIC



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



3 EGRESS STUDY
SCALE: 1/8" = 1'-0"



2 LIGHTING CONTROLS DETAIL
SCALE: NTS

FIXTURE SCHEDULE					
Type Mark	Lamp	Description	Manufacturer	Model	Apparent Load
A	LED	4' LED 4000 LUMEN LED WRAP SURFACE MOUNT FIXTURE, 0-10 V DIMMING DRIVER, UNIVERSAL VOLTAGE	LITHONIA	STL4 40L EZ1 LP840	35 VA
B	LED	4' RECESSED FLANGE MOUNTED VANDAL RESITANT LED TROFFER WITH .125" POLYCARBONATE LENS, 16GA PAINTED BODY	KENNALL	RMCA 4 FL1 25L40K DV 2 1 EL	35 VA
C	LED	4' LED ENCLOSED & GASKETED LED WRAP, CHAIN SUSPENDED 2' BELOW ROOF STRUCTURE	LITHONIA	VAP 39 SYM WHITE	35 VA
D	LED	6" LENSED LED DOWNLIGHT, POLYCARBONATE LENS	JUNO	JSF 7IN	13 VA
S	LED	LED SPOT LIGHT ON TRUNNION MOUNT AIMED AT POOL AND FENCE	LITHONIA	OFL2 LED P3 50K MVOLT IS DDBXD	40 VA
X1	LED	WALL MOUNT EMERGENCY EGRESS LIGHT FIXTURES WTH INTEGRAL BATTERY BACKUP FOR 90 MINIUTE	LITHONIA	ELM	1 VA

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NOVEMBER 14, 2022 CALA PROJECT NO. 21013

MCKINLEY PARK RENOVATIONS PROJECT

LIGHTING PLAN

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

HCS Engineering inc.
4512 Feather River Dr #F, Stockton, CA 95219
209-478-8270 | www.hcs-eng.com

REGISTERED PROFESSIONAL ENGINEER — RICHARD C. SMITH — No. E14305 Exp. 6-30-23 — ELECTRICAL — STATE OF CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By
1	PLAN CHECK #1	10.10.22	RCS	RCS
3	PERMIT CYCLE 2 COMMENTS	02.21.23	RCS	RCS

SCALE AS SHOWN	APPROVED BY: 7/24/23 DATE
DESIGNED BY	CITY ENGINEER
DRAWN BY	STOCKTON, CALIFORNIA
CHECKED BY	
RECORD DWGS.	

SHEET NO. E2
152 OF 158 SHTS
WR21017 PROJECT NO.
5541.151C

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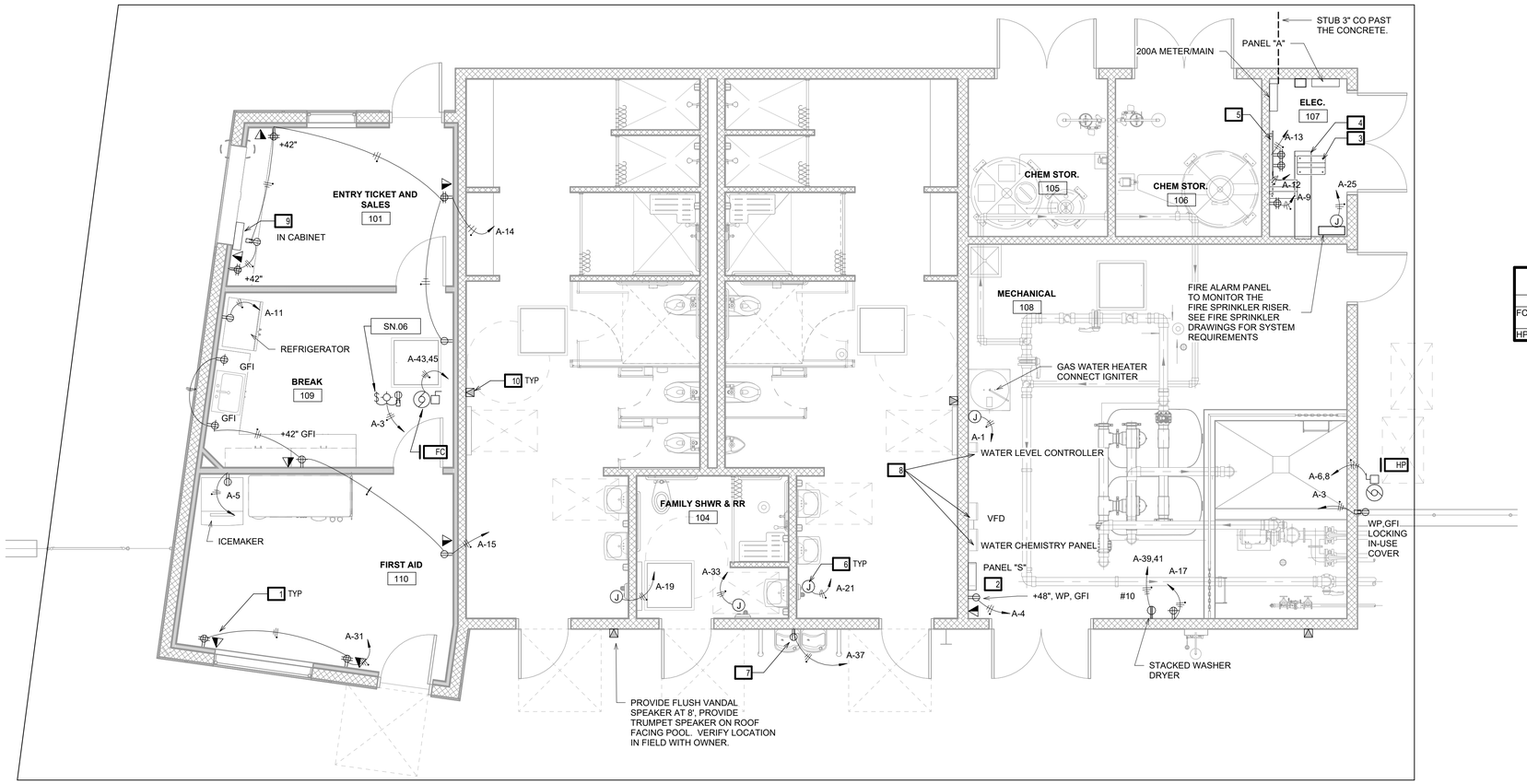

ELECTRICAL PLAN NOTES	
Note Number	Note
1	PREWIRE ALL DATA JACKS WITH 2 CAT 6 CABLES (BLUE + YELLOW) TO IDF.
2	PROVIDE 125A PANEL DEDICATED TO POOL EQUIPMENT. SEE THE POOL EQUIPMENT DRAWINGS FOR THE PANEL REQUIREMENTS.
3	PROVIDE (2)FLOOR MOUNTED 2 POST RACKS, MOUNT TO FLOOR, GROUND TO MDP GORUND WITH #8 BC
4	PROVIDE LADDER RACK OVERHEAD FROM WALL.
5	PROVIDE FLOOR TO CEILING 3/4" FIRE TREATED PLYWOOD FROM MDP PANEL TO WALL BEHIND FIRE SPRINKLER PANEL.
6	PROVIDE DEDICATED 120V CIRCUIT FOR FUTURE HAND DRYER. MOUNT WITH FLUSH COVER AT +40" TO TOP.
7	PROVIDE WP, GFI OUTLET FOR DRINKING FOUNTAIN, COORDINATE WITH PLUMBING CONTRACTOR TO CONCEAL OUTLET AS MUCH AS POSSIBLE.
8	SEE POOL EQUIPMENT DRAWINGS FOR POOL SYSTEM ELECTRICAL CONNECTIONS
9	PROVIDE INWALL AMPLIFIER WITH MICROPHONE AND AUDIO INPUT SOURCE JACKS. CONNECT TO SPEAKERS SHOWN WITH #12 SPEAKER WIRE IN 1/2"C. TIE INTO ADJACENT OUTLET CIRUCIT
10	PROVIDE FLUSH VANDAL RESISTANT ALTAS SPEAKERS AT +7", TIE INTO AMP IN OFFICE

HVAC EQUIPMENT SCHEDULE						
Mark	Electrical Data	AMP	DISCONNECT	FUSE	Circuit Number	BRANCH CIRCUIT
FC	240 V/2-624 VA	3.25	MANUAL MOTOR DISC	-	A-43,45	1/2"C-2#12+1#12 GND TO HP
HP	240 V/2-3264 VA	14.4	60/2	31	A-6,8	1"C-2#8+1#10 GND

CONNECT FC CONDENSATE PUMP INTO SAME CIRCUIT AS FAN COIL

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

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NOVEMBER 14, 2022 CALA PROJECT NO. 21013

MCKINLEY PARK RENOVATIONS PROJECT

ELECTRICAL PLAN

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

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REGISTERED PROFESSIONAL ENGINEER — RICHARD C. SMITH — No. E14307 Exp. 6-30-23 — ELECTRICAL — STATE OF CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By
1	PLAN CHECK #1	10.10.22	RCS	RCS
3	PERMIT CYCLE 2 COMMENTS	02.21.23	RCS	RCS

SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE	SHEET NO. E3
DESIGNED BY			153 OF 158 SHTS
DRAWN BY			
CHECKED BY		CITY ENGINEER	WR21017 PROJECT NO.
RECORD DWGS.		STOCKTON, CALIFORNIA	

5541.152C

PANEL A

Location: ELEC. 107
Supply From:
Mounting: Surface
Enclosure: Type 1

Volts: 240v detla
Phases: 3
Wires: 4

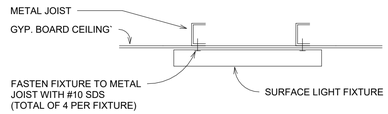
A.I.C. Rating: 22000
Mains Type: MCB
Mains Rating: 200 A
MCB Rating: 200 A

Notes:

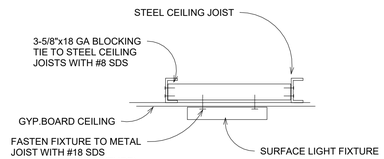
CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
A-1	IGNITOR	20 A	1	50 VA	120 VA					1	20 A	SECURITY LIGHTS	A-2
A-3	Receptacle	20 A	1			360 VA	180 VA			1	20 A	Receptacle	A-4
A-5	ICE MAKER	20 A	1					600 VA	1632 VA	2	40 A	HP-1	A-6
A-7	CANOPY LIGHTING	20 A	1	208 VA	1632 VA					--	--	--	A-8
A-9	Receptacle	20 A	1			360 VA							A-10
A-11	REFRIGERATOR	20 A	1					600 VA	360 VA	1	20 A	Receptacle	A-12
A-13	Receptacle	20 A	1	360 VA	1440 VA					1	20 A	Receptacle	A-14
A-15	Receptacle	20 A	1			720 VA	0 VA			2	20 A	Spare CB FOR PATHWAY LIGHTING	A-16
A-17	Receptacle	20 A	1					180 VA	0 VA	--	--	--	A-18
A-19	HAND DRYER	20 A	1	1200 VA	0 VA					1	20 A	Spare	A-20
A-21	HAND DRYER	20 A	1			1200 VA	0 VA			1	20 A	Spare	A-22
A-23	RESTROOM LIGHTS	20 A	1					487 VA					A-24
A-25	FIRE SPRINKLER PANEL	20 A	1	500 VA	0 VA					1	20 A	Spare	A-26
A-27	LIGHTING	20 A	1			490 VA	0 VA			1	20 A	Spare	A-28
A-29													A-30
A-31	Receptacle	20 A	1	720 VA	0 VA					3	30 A	TVSS	A-32
A-33	HAND DRYER	20 A	1			1200 VA	0 VA			--	--	--	A-34
A-35									0 VA	--	--	--	A-36
A-37	DRINKING FOUNTAIN	20 A	1	600 VA	10464 VA					3	125 A	PANEL S	A-38
A-39	DRYER	30 A	2			2500 VA	9624 VA			--	--	--	A-40
A-41	--	--	--					2500 VA	5544 VA	--	--	--	A-42
A-43	FC	15 A	2	312 VA									A-44
A-45	--	--	--			312 VA							A-46
A-47													A-48
A-49													A-50
A-51													A-52
A-53													A-54
A-55													A-56
		Total Load:		17590 VA		16946 VA		11902 VA					
		Total Amps:		147 A		141 A		99 A					

Legend:

LABEL "C" AS STINGER LEG, PROVIDE INTEGRAL TVSS MODULE



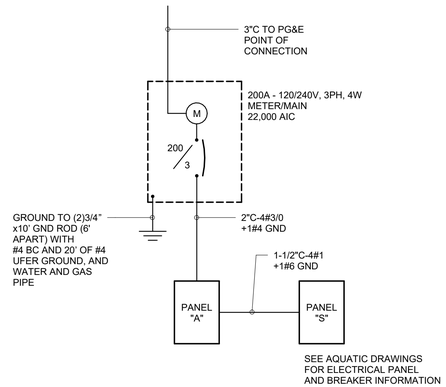
FIXTURE INSTALLED AT 90° TO JOISTS



FIXTURE INSTALLED PARALLEL TO JOIST

3 SURFACE FIXTURE ON METAL STUDS

SCALE: 12" = 1'-0"



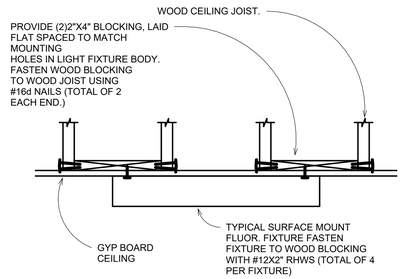
SEE AQUATIC DRAWINGS FOR ELECTRICAL PANEL AND BREAKER INFORMATION

ARC FLASH LABELLING REQUIREMENT:
PROVIDE THE FOLLOWING LABEL AS A MINIMUM FOR COMPLIANCE WITH NFPA AND NEC ON THIS PROJECT:

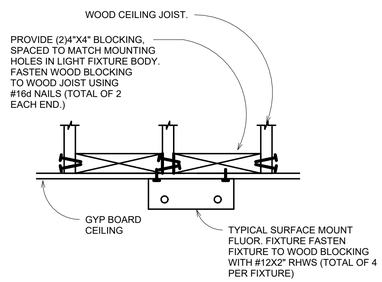
	⚠ DANGER
	ARC FLASH AND SHOCK HAZARD FOLLOW ALL REQUIREMENTS IN NFPA 70E FOR SAFE WORK PRACTICES AND FOR PERSONAL PROTECTIVE EQUIPMENT.

1 ONE LINE DIAGRAM

SCALE: NTS



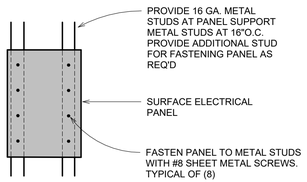
FIXTURE INSTALLED AT 90° TO JOISTS



FIXTURE INSTALLED PARALLEL TO JOIST

2 SURFACE FIXTURE MOUNTING

SCALE: 12" = 1'-0"

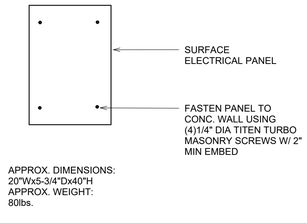


LIGHTING/OUTLET PANELS:
NOMINAL DIMENSIONS: 24"Hx20"Wx5.75"D
WEIGHT: 80 lbs.

DISTRIBUTION PANELS:
NOMINAL DIMESIONS: 59"Hx42"Wx9.5"D
WEIGHT: 200 lbs.

4 SURFACE PANEL ON METAL STUD WALL

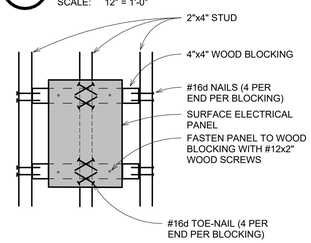
SCALE: 12" = 1'-0"



APPROX. DIMENSIONS:
20"Wx5-3/4"Dx40"H
APPROX. WEIGHT:
80lbs.

6 PANEL ON CONC WALL

SCALE: 12" = 1'-0"



LIGHTING/OUTLET PANELS:
NOMINAL DIMENSIONS: 24"Hx20"Wx5.75"D
WEIGHT: 80 lbs.

DISTRIBUTION PANELS:
NOMINAL DIMESIONS: 59"Hx42"Wx9.5"D
WEIGHT: 200 lbs.

5 SURFACE PANEL ON STUD WALL

SCALE: 12" = 1'-0"

CALL BEFORE YOU DIG U.S.A. 800.642.2444

LDA DESIGNERS & ARCHITECTS

CALA
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Gold River, CA 95670
T 916.985.4366
www.callanderassociates.com

NOVEMBER 14, 2022 CALA PROJECT NO. 21013

MCKINLEY PARK RENOVATIONS PROJECT

ELECTRICAL DETAILS

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

HCS Engineering inc.
4512 Feather River Dr #F, Stockton, CA 95219
209-478-8270 | www.hcs-eng.com

REGISTERED PROFESSIONAL ENGINEER RICHARD C. SMITH No. E14309 Exp. 6-30-23 ELECTRICAL STATE OF CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By
1	PLAN CHECK #1	10.10.22	RCS	RCS
3	PERMIT CYCLE 2 COMMENTS	02.21.23	RCS	RCS

SCALE	AS SHOWN
DESIGNED BY	
DRAWN BY	
CHECKED BY	
RECORD DWGS.	

APPROVED BY: 7/24/23 DATE
CITY ENGINEER
STOCKTON, CALIFORNIA

SHEET NO.	E4
	154 OF 158 SHTS
	WR21017
PROJECT NO.	

5541.153C

STATE OF CALIFORNIA
Electrical Power Distribution
NRCC-ELC-E — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-ELC-E
Project Name:	MCKINLEY POOL	Report Page: (Page 3 of 5)
Project Address:		Date Prepared: 4/25/2022

G. SEPARATION OF ELECTRICAL CIRCUITS FOR ENERGY MONITORING

This table includes entirely new or complete replacement electrical power distribution systems to demonstrate compliance with §130.5(b). Any load types that are not included in the service do not need to be shown.

01	02	03	04	05	
Load Type per Table 130.5-B[1]	Minimum Required Separation of Load per Table 130.5-B	Compliance Method[2]	Location of Requirements in Construction Documents	Field Inspector	
				Pass	Fail
MDP					
Lighting including exit, egress and exterior	All lighting in aggregate	Method 3		☐	☐
HVAC systems and components	All HVAC in aggregate	Method 3		☐	☐
Plug Loads and appliances less than 25kVA	All plug loads in aggregate Groups of plug loads exceeding 25 kVA connected load in an area less than 5000 sf	Method 3		☐	☐

** NOTES: If "Other*" is selected under Compliance Method above, please indicate how compliance has been achieved in the space provided below.*

LightingLoad	EXEMPT: <50KVA
HVAC_Load	EXEMPT: <50KVA
PlugLoadsLT25kVA	EXEMPT: <50KVA

[1] *FOOTNOTES: For each separate load type, up to 10% of the connected load may be of any type.*
[2] *Method 1: Switchboards/ motor control centers/ panelboard loads disaggregated for each load type.*
Method 2: Switchboards/ motor control centers/ panelboard supply other distribution equipment with loads disaggregated for each load type.
Method 3: Branch circuits serve load types individually and provisions for adding future branch circuit monitoring.
Method 4: Complete metering system measures and reports loads by type.
See Chapter 8 of the Nonresidential Compliance Manual for more detail on Compliance Methods.

H. VOLTAGE DROP

This table includes entirely new or complete replacement electrical power distribution systems, or alterations that add, modify or replace both feeders and branch circuits to demonstrate compliance with §130.5(c). For alterations, only the altered circuits must demonstrate compliance per §141.0(b)2Piii

01	02	03	04	05	
Electrical Service Designation/Description	Combined Voltage Drop on Installed Feeder/Branch Circuit Conductors Compliance Method	Location of Voltage Drop Calculations[1]	Sheet Number for Voltage Drop Calculations in Construction Documents	Field Inspector	
				Pass	Fail

STATE OF CALIFORNIA
Indoor Lighting
NRCC-LTI-E — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name:	MCKINLEY POOL	Report Page: (Page 1 of 7)
Project Address:		Date Prepared: 4/25/2022

This document is used to demonstrate compliance with requirements in §110.9, §110.12(c), §130.0, §130.1, §140.6 and §141.0(b)2 for indoor lighting scopes using the prescriptive path.

A. GENERAL INFORMATION

01	Project Location (city)	STOCKTON	04	Total Conditioned Floor Area (ft²)	2,127
02	Climate Zone	12	05	Total Unconditioned Floor Area (ft²)	0
03	Occupancy Types Within Project (select all that apply):		06	# of Stories (Habitable Above Grade)	1

● Retail ● Support Areas ● Warehouse ● : See Table I

B. PROJECT SCOPE

This table includes any lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.6 or §141.0(b)2 for alterations.

Scope of Work	Conditioned Spaces		Unconditioned Spaces	
01	02	03	04	05
My Project Consists of (check all that apply):	Calculation Method	Area (ft²)	Calculation Method	Area (ft²)
☒ New Lighting System	Area Category Method	2127	Area Category Method	0
☐ New Lighting System - Parking Garage				
Total Area of Work (ft²)	2127		0	

C. COMPLIANCE RESULTS

If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. for guidance.

Lighting in conditioned and unconditioned spaces must not be combined for compliance per §140.6(b)1	Allowed Lighting Power per §140.6(b) (Watts)						Adjusted Lighting Power per §140.6(a) (Watts)				Compliance Results
	01	02	03	04		05	06	07		08	09
	Complete Building §140.6(c)1 (See Table I)	Area Category §140.6(c)2 (See Table I)	Area Category Additional §140.6(c)2D (+) (See Table J)	Tailored §140.6(c)3 (+) (See Table K)	=	**Total Allowed** (Watts)	Total Designed (Watts) (See Table F)	Adjustments PAF Lighting Control Credits §140.6(a)2 (-) (See Table P)		**Total Adjusted** (Watts) *Includes Adjustments	**05 must be >= 08 §140.6**
Conditioned		1,374.7	0		=	1,375	875	0	=	875	COMPLIES
Unconditioned					=				=		

STATE OF CALIFORNIA
Indoor Lighting
NRCC-LTI-E — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name:	MCKINLEY POOL	Report Page: (Page 2 of 7)
Project Address:		Date Prepared: 4/25/2022

C. COMPLIANCE RESULTS

Controls Compliance (See Table H for Details)	COMPLIES
Rated Power Reduction Compliance (See Table Q for Details)	

D. EXCEPTIONAL CONDITIONS

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

E. ADDITIONAL REMARKS

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

F. INDOOR LIGHTING FIXTURE SCHEDULE

This table includes all permanent designed lighting and all portable lighting in offices.

Designed Wattage: Conditioned Spaces

01	02	03	04	05	06	07	08	09	10	
Name or Item Tag	Complete Luminaire Description	Modular (Track) Fixture	Small Aperture & Color Changes[1]	Watts per luminaire[2]	How is Wattage determined	Total Number of Luminaires	Excluded per §140.6(a)3	Design Watts	Field Inspector	
									Pass	Fail
A	4' LED WRAP 4000L	No	No	35	Mfr. Spec	7	No	245	☐	☐
B	4' VANDAL RESISTANT WRAP	No	No	35	Mfr. Spec	11	No	385	☐	☐
C	4' ENCLOSED & & GASKETED WRAP	No	No	35	Mfr. Spec	7	No	245	☐	☐
						Total Designed Watts: CONDITIONED SPACES		875		

[1] *FOOTNOTE: Design Watts for small aperture and color changing luminaires which qualify per §140.6(a)4B is adjusted to be 75% of their rated wattage. Table F automatically makes this adjustment, the permit applicant should enter full rated wattage in column 05.*

[2] *Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per §130.0(c) Wattage used must be the maximum rated for the luminaire, not the lamp.*

G. MODULAR LIGHTING SYSTEMS

This section does not apply to this project.

STATE OF CALIFORNIA
Electrical Power Distribution
NRCC-ELC-E — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-ELC-E
Project Name:	MCKINLEY POOL	Report Page: (Page 2 of 5)
Project Address:		Date Prepared: 4/25/2022

D. EXCEPTIONAL CONDITIONS

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

E. ADDITIONAL REMARKS

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

F. SERVICE ELECTRICAL METERING

This section does not apply to this project.

STATE OF CALIFORNIA
Electrical Power Distribution
NRCC-ELC-E — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-ELC-E
Project Name:	MCKINLEY POOL	Report Page: (Page 5 of 5)
Project Address:		Date Prepared: 4/25/2022

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: RICHARD SMITH	Documentation Author Signature:
Company: HCS Engineering, Inc.	Signature Date:
Address: 4512 FEATHER RIVER DR STE F	CEA/ HERS Certification Identification (if applicable): E14303
City/State/Zip: STOCKTON CA 95219	Phone: 209-478-8270

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: Richard Smith, PE E14303	Responsible Designer Signature:
Company: HCS Engineering, Inc	Date Signed: 2022-04-25
Address: 4512 Feather River Dr #F	License: Electrical Engineering
City/State/Zip: Stockton CA 95219	Phone: 209-478-8270

STATE OF CALIFORNIA
Electrical Power Distribution
NRCC-ELC-E — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-ELC-E
Project Name:	MCKINLEY POOL	Report Page: (Page 1 of 5)
Project Address:		Date Prepared: 4/25/2022

This document is used to demonstrate compliance with mandatory requirements in §130.5, for electrical systems in newly constructed nonresidential, high-rise residential and hotel/motel occupancies. Additions and alterations to electrical service systems in these occupancies will also use this document to demonstrate compliance per §141.0(a) or §141.0(b)2P for alterations..

A. GENERAL INFORMATION

01	Project Location (city)	STOCKTON
02	Occupancy Types Within Project:	

● Retail ● Support Areas ● Warehouse ● : See Table I

B. PROJECT SCOPE

This table includes electrical systems that are within the scope of the permit application.

01		02	03	04	05
Electrical Service Designation/Description		Scope of Work[1]	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)and (b)
MDP		New electrical service equipment and meter	144	☒	☐
06	Demand Response Controls	Where required, demand response controls must be specified which are capable of receiving and automatically responding to at least one standards based messaging protocol which enables demand response after receiving a demand response signal. Sections §120.2, §130.1 and §130.3 and compliance documents NRCC-MCH, NRCC-LTI and NRCC-LTS will indicate when demand response controls are required.			

[1] *FOOTNOTES: Adding only new feeders and branch circuits triggers Voltage Drop §130.5(c), no other requirements from §130.5 are required.*
[2] *Applicable if the utility company is providing a metering system that indicates instantaneous kW demand and kWh for a utility-defined period.*

C. COMPLIANCE RESULTS

Results in this table are automatically calculated from data input and calculations in Tables F through I. Note: If any cell on this table says "COMPLIES with Exceptional Conditions" refer to Table D. Exceptional Conditions for guidance or see applicable Table referenced below.

01		02		03		04	05
Service Electrical Metering §130.5(a1) (See Table F)	AND	Separation for Monitoring §130.5(b) (See Table G)	AND	Voltage Drop §130.5(c) (See Table H)	AND	Controlled Receptacles §130.5(d) (See Table I)	
Yes	AND	Yes	AND	Yes	AND	Yes	COMPLIES

STATE OF CALIFORNIA
Electrical Power Distribution
NRCC-ELC-E — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-ELC-E
Project Name:	MCKINLEY POOL	Report Page: (Page 4 of 5)
Project Address:		Date Prepared: 4/25/2022

H. VOLTAGE DROP

MDP	☒	Voltage drop less than 5%	☐	Permitted by CA Elec Code (Exception to 130.5(c))*	Contractor Responsible	E3	☐	☐

** NOTES: If "Permitted by CA Elec Code *" is selected under Compliance Method above, please indicate where the exception applies in the space provided below.*

[1] *FOOTNOTES: Voltage drop calculations may be attached to the permit application outside the construction documents if allowed by the Authority Having Jurisdiction. Select "attached" if applicable. If calculations will be the responsibility of the installing contractor, select "Contractor Responsible".*

I.CIRCUIT CONTROLS FOR 120-VOLT RECEPTACLES AND CONTROLLED RECEPTACLES

This table includes entirely new or complete replacement electrical power distribution systems to demonstrate compliance with §130.5(d). Both controlled and uncontrolled receptacles must be provided in office areas, lobbies, conference rooms, kitchen areas in office spaces, copy rooms and hotel/motel guest rooms.

01	02	03	04	05	06	
Room name or Description	Location/ Type of Controlled Receptacles	Shut-Off Controls	Permanent Durable Marking Will be Used	Location of Requirements in Construction Documents	Field Inspector	
					Pass	Fail

** NOTES: If "Other*" is selected under Shut-Off Controls above, please indicate how compliance has been achieved in the space provided below.*

J. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selection have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCI/

Form/Title	Field Inspector	
	Pass	Fail
NRCI-ELC-01-E - Must be submitted for all buildings	☐	☐

K. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

There are no Certificates of Acceptance applicable to electrical power distribution requirements.

HCS Engineering inc.
4512 Feather River Dr #F, Stockton, CA 95219
209-478-8270 | www.hcs-eng.com

REGISTERED PROFESSIONAL ENGINEER — RICHARD C. SMITH — No. E14303 Exp. 6-30-25 — ELECTRICAL — STATE OF CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By
1	PLAN CHECK #1	10.10.22	RCS	RCS
3	PERMIT CYCLE 2 COMMENTS	02.21.23	RCS	RCS

LDA DESIGNERS & ARCHITECTS
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Gold River, CA 95670
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NOVEMBER 14, 2022 — CALA PROJECT NO. 21013

MCKINLEY PARK RENOVATIONS PROJECT

COMPLIANCE

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE	SHEET NO. ET24A
DESIGNED BY		CITY ENGINEER	155 OF 158 SHTS
DRAWN BY		STOCKTON, CALIFORNIA	WR21017 PROJECT NO.
CHECKED BY			
RECORD DWGS.			

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5541.154C

STATE OF CALIFORNIA
Indoor Lighting
NRCC-LTI-E
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			NRCC-LTI-E
Project Name:	MCKINLEY POOL	Report Page:	(Page 5 of 7)
Project Address:		Date Prepared:	4/25/2022

K. TAILORED METHOD GENERAL LIGHTING POWER ALLOWANCE
This section does not apply to this project.

L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY
This section does not apply to this project.

M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING
This section does not apply to this project.

N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED ORNAMENTAL/SPECIAL EFFECTS
This section does not apply to this project.

O. ADDITIONAL LIGHTING ALLOWANCE: TAILORED VERY VALUABLE MERCHANDISE
This section does not apply to this project.

P. POWER ADJUSTMENT: LIGHTING CONTROL CREDIT (POWER ADJUSTMENT FACTOR (PAF))
This section does not apply to this project.

Q. RATED POWER REDUCTION COMPLIANCE FOR ALTERATIONS
This section does not apply to this project.

R. 80% LIGHTING POWER FOR ALL ALTERATIONS - CONTROLS EXCEPTIONS
This section does not apply to this project.

S. DAYLIGHT DESIGN POWER ADJUSTMENT FACTOR (PAF)
This section does not apply to this project.

STATE OF CALIFORNIA
Outdoor Lighting
NRCC-LTO-E
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			NRCC-LTO-E
Project Name:	MCKINLEY POOL	Report Page:	(Page 1 of 7)
Project Address:		Date Prepared:	4/25/2022

A. GENERAL INFORMATION

01	Project Location (city)	STOCKTON	04	Total Illuminated Hardscape Area (ft^2)	1149
02	Climate Zone	12			
03	Outdoor Lighting Zone per Title 24 Part 1 §10.114 or as designated by Authority Having Jurisdiction (AHJ):				
☐	LZ-0: Very Low - Undeveloped Parkland	☐ LZ-2: Moderate - Rural Areas	☐	LZ-4: High - Must be reviewed by CA Energy Commission for Approval	
☐	LZ-1: Low - Developed Parkland	☒ LZ-3: Moderately High - Urban Areas			

B. PROJECT SCOPE
This table includes outdoor lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.7 or §141.0(b)2L for alterations.

My Project Consists of:

01	02		
☒ New Lighting System	Must Comply with Allowances from §140.7		
☐ Altered Lighting System	Is your alteration increasing the connected lighting load (Watts)? ○ Yes ○ No		
03	04	05	
% of Existing Luminaires Being Altered[1]	Sum Total of Luminaires Being Added or Altered	Calculation Method	
☐ < 10% ☐ >= 10% and < 50% ☐ >= 50%			

Please proceed to Table F. Outdoor Lighting Fixture Schedule to define the project's luminaires.

[1] *FOOTNOTES: % of Existing Luminaires Being Altered = (Sum Total of Luminaires Being Added or Altered / Existing Luminaires within the Scope of the Permit Application) x 100.*

STATE OF CALIFORNIA
Outdoor Lighting
NRCC-LTO-E
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			NRCC-LTO-E
Project Name:	MCKINLEY POOL	Report Page:	(Page 2 of 7)
Project Address:		Date Prepared:	4/25/2022

C. COMPLIANCE RESULTS
Results in this table are automatically calculated from data input and calculations in Tables F through I. Note: if any cell on this table says "COMPLIES with Exceptional Conditions" refer to Table D. Exceptional Conditions for guidance or see applicable Table referenced below.

Calculations of Total Allowed Lighting Power (Watts) §140.7 or §141.0(b)2L											Compliance Results			
01		02		03		04		05	OR	06	=	07	≥	08	09
General Hardscape Allowance §140.7(d1) (See Table I)	+	Per Application §140.7(d2 (See Table J)	+	Sales Frontage §140.7(d2 (See Table K)	+	Ornamental §140.7(d)2 (See Table L)	+	Per Specific Area §140.7(d)2 (See Table M)		Existing Power Allowance §141.0(b)2L (See Table N)		**Total Allowed** (Watts)		**Total Actual** (Watts)	**07 must be >= 08**
495.98	+	---	+	---	+	---	+	---	OR	---	=	495.98	≥	328	COMPLIES
Cutoff Compliance (See Table G for Details)															N/A
Controls Compliance (See Table H for Details)															COMPLIES with Exceptional Conditions

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

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

STATE OF CALIFORNIA
Indoor Lighting
NRCC-LTI-E
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			NRCC-LTI-E
Project Name:	MCKINLEY POOL	Report Page:	(Page 4 of 7)
Project Address:		Date Prepared:	4/25/2022

H. INDOOR LIGHTING CONTROLS (Not including PAFs)

*NOTES: Controls with a * require a note in the space below explaining how compliance is achieved. *EX: Conference 1: Primary/Skylight Daylighting; Exempt because less than 120 watts of general lighting; EXCEPTION 1 to §130.1(d)2*		13
		Plan Sheet Showing Daylit Zones:
RESTROOM	RESTROOM	E2
SMALL RESTROOM	< 100 SQ FT	
STORAGE	< 100 SQ FT	
ELECTRICAL ROOM	ELECTRICAL ROOM	

I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS
Each area complying using the Complete Building or Area Category Methods per §140.6(b) are included in this table. Column 06 indicates if additional lighting power allowances per §140.6(c) or adjustments per §140.6(a) are being used .

Conditioned Spaces

01	02	03	04	05	06	
Area Description	Complete Building or Area Category Primary Function Area	Allowed Density (W/ft^2)	Area (ft^2)	Allowed Wattage (Watts)	Additional Allowance / Adjustment	
					Area Category	PAF
TICKET SALES	Retail Merchandise Sales	1	474	474	No	No
RESTROOM	Restrooms	0.65	846	549.9	No	No
SMALL RESTROOM	Restrooms	0.65	79	51.4	No	No
MECHANICAL ROOM	Electrical Mechancial Telephone Room	0.4	520	208	No	No
STORAGE	Commercial Industrial Storage Area	0.45	164	73.8	No	No
ELECTRICAL ROOM	Electrical Mechancial Telephone Room	0.4	44	17.6	No	No
		TOTALS:	2,127	1,374.7	See Tables J, or P for detail	

J. ADDITIONAL ALLOWANCE: AREA CATEGORY METHOD QUALIFYING LIGHTING SYSTEM
This section does not apply to this project.

STATE OF CALIFORNIA
Indoor Lighting
NRCC-LTI-E
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			NRCC-LTI-E
Project Name:	MCKINLEY POOL	Report Page:	(Page 7 of 7)
Project Address:		Date Prepared:	4/25/2022

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: RICHARD SMITH	Documentation Author Signature:
Company: HCS Engineering, Inc.	Signature Date: 2022-04-25
Address: 4512 FEATHER RIVER DR STE F	CEA/ HERS Certification Identification (if applicable): E14303
City/State/Zip: STOCKTON CA 95219	Phone: 209-478-8270

RESPONSIBLE PERSON'S DECLARATION STATEMENT
I certify the following under penalty of perjury, under the laws of the State of California:
1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy

Responsible Designer Name: Richard Smith, PE E14303	Responsible Designer Signature:
Company: HCS Engineering, Inc	Date Signed: 2022-04-25
Address: 4512 Feather River Dr #F	License: Electrical Engineering
City/State/Zip: Stockton CA 95219	Phone: 209-478-8270

STATE OF CALIFORNIA
Indoor Lighting
NRCC-LTI-E
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			NRCC-LTI-E
Project Name:	MCKINLEY POOL	Report Page:	(Page 3 of 7)
Project Address:		Date Prepared:	4/25/2022

H. INDOOR LIGHTING CONTROLS (Not including PAFs)
*This table includes lighting controls for conditioned and unconditioned spaces. When a control having a * is shown, the notes section of this table provides more detail on how compliance is achieved. The lighting controls section of the Compliance Summary Table on the first page will show "DOES NOT COMPLY" if the notes are left blank.*

Building Level Controls

01	02	03	
		Field Inspector	
		Pass	Fail
Mandatory Demand Response §110.12(c)	Shut-off controls §130.1(c)		
Not Required- Building <= 0.5W/SF	Whole Building Other	☐	☐

Area Level Controls

04	05	06	07	08	09	10	11	12	
Area Description	Complete Building or Area Category Primary Function Area	Area Controls §130.1(a)	Multi-Level Controls §130.1(b)	Shut-Off Controls §130.1(c)	Primary/Sky lit Daylighting §130.1(d)	Secondary Daylighting §140.6(d)	Interlocked Systems §140.6(a)1	Field Inspector	
								Pass	Fail
TICKET SALES	Retail Merchandise Sales	Manual ON/OFF	Dimmer	Occupancy Sensor	N/A	N/A	No	☐	☐
RESTROOM	Restrooms	Manual ON/OFF	Exempt*	Occupancy Sensor	N/A	N/A	No	☐	☐
SMALL RESTROOM	Restrooms	Manual ON/OFF	Exempt*	Occupancy Sensor	N/A	N/A	No	☐	☐
MECHANICAL ROOM	Electrical Mechancial Telephone Room	Manual ON/OFF	Dimmer	Occupancy Sensor	N/A	N/A	No	☐	☐
STORAGE	Warehouse	Manual ON/OFF	Exempt*	Occupancy Sensor	N/A	N/A	No	☐	☐
ELECTRICAL ROOM	Electrical Mechancial Telephone Room	Manual ON/OFF	Exempt*	Exempt*	N/A	N/A	No	☐	☐

STATE OF CALIFORNIA
Indoor Lighting
NRCC-LTI-E
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			NRCC-LTI-E
Project Name:	MCKINLEY POOL	Report Page:	(Page 6 of 7)
Project Address:		Date Prepared:	4/25/2022

T. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION
Selections have been made based on information provided in this document. If any selection have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCI/

Form/Title	Field Inspector	
	Pass	Fail
NRCI-LTI-01-E - Must be submitted for all buildings	☐	☐
NRCI-LTI-02-E- Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance.	☐	☐

U. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE
Selections have been made based on information provided in this document. If any selection have been changed by the permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and any with "-A" in the form name must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: http://www.energy.ca.gov/title24/attcp/providers.html

Form/Title	Systems/Spaces To Be Field Verified	Field Inspector	
		Pass	Fail
NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.	☐	☐	

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Gold River, CA 95670
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NOVEMBER 14, 2022 CALA PROJECT NO. 21013

MCKINLEY PARK RENOVATIONS PROJECT

COMPLIANCE

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

HCS Engineering inc.
4512 Feather River Dr #F, Stockton, CA 95219
209-478-8270 | www.hcs-eng.com

REGISTERED PROFESSIONAL ENGINEER RICHARD C. SMITH No. E14303 Exp. 6-30-23 ELECTRICAL STATE OF CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By
1	PLAN CHECK #1	10.10.22	RCS	RCS
3	PERMIT CYCLE 2 COMMENTS	02.21.23	RCS	RCS

SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE	SHEET NO. ET24B
DESIGNED BY			156 OF 158 SHTS
DRAWN BY		CITY ENGINEER	WR21017
CHECKED BY		STOCKTON, CALIFORNIA	PROJECT NO.
RECORD DWGS.			5541.155C

STATE OF CALIFORNIA
Outdoor Lighting
NRCC-LTO-E
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			NRCC-LTO-E
Project Name:	MCKINLEY POOL	Report Page:	(Page 5 of 7)
Project Address:		Date Prepared:	4/25/2022

I. LIGHTING POWER ALLOWANCE (per §140.7)

This table includes areas using allowance calculations per §140.7. General Hardscape Allowance is per Table 140.7-A while "Use it or lose it" Allowances are per Table 140.7-B . Indicate which allowances are being used to expand sections for user input. Luminaires that qualify for one of the "Use it or lose it" allowances shall not qualify for another "Use it or lose it" allowance.

01					
☒ General Hardscape Allowance Table I (below)	"Use it or lose it" Allowance (select all that apply) (select all that apply)				
	☐ Per Application Table J	☐ Sales Frontage Table K	☐ Ornamental Table L	☐ Per Specific Area Table M	

Calculated General Hardscape Lighting Power Allowance per Table 140.7-A (LZ 0, 1 & 4)

Calculated General Hardscape Lighting Power Allowance per Table 140.7-A (LZ 2 & 3)

02	03	04	05	06	07	08	09	10
Area Description	Surface Type	Area Wattage Allowance (AWA)			Area Wattage Allowance (AWA)			Total General AWA + LWA (Watts)
		Illuminated Area (ft²)	Allowed Density (W/ft²)	Area Allowance (Watts)	Perimeter Length (lf)	Allowed Density (W/lf)	Linear Allowance (Watts)	
BUILDING EXTERIOR	Asphalt	1149	0.025	28.7	469	0.2	117.2	146
						Initial Wattage Allowance for Entire Site (Watts):		350
						Total General Hardscape Allowance (Watts):		496

J. LIGHTING ALLOWANCE: PER APPLICATION
This section does not apply to this project.

K. LIGHTING ALLOWANCE: SALES FRONTAGE
This section does not apply to this project.

L. LIGHTING ALLOWANCE: ORNAMENTAL
This section does not apply to this project.

M. LIGHTING ALLOWANCE: PER SPECIFIC AREA
This section does not apply to this project.

Registration Number:
CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance
Registration Date/Time:
Report Version: 2019.1.003
Schema Version: rev 20200601
Registration Provider: Energysoft
Report Generated: 2022-04-25 09:39:37

STATE OF CALIFORNIA
Outdoor Lighting
NRCC-LTO-E
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			NRCC-LTO-E
Project Name:	MCKINLEY POOL	Report Page:	(Page 4 of 7)
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H. OUTDOOR LIGHTING CONTROLS

This table demonstrates compliance with controls requirements for all new or altered luminaires installed as part of the permit application. For alteration projects, luminaires which are existing to remain (ie untouched) and luminaires which are removed and reinstalled (wiring only) do not need to be included in this table even if they are within the spaces covered by the permit application.
*When an option having a * is selected, the notes section of this table must be completed. The lighting controls section of the Compliance Summary Table on the first page will show "DOES NOT COMPLY" if the notes are left blank.*

Mandatory Controls

01	02	03	04	05	
Area Description	Shut-Off §130.2(c)1	Auto-Schedule §130.2(c)2	Motion Sensor §130.2(c)3	Field Inspector	
				Pass	Fail
BUILDING EXTERIOR	Astronomical Timer	Yes	Exempt*	☐	☐

** NOTES: Controls with a * require a note in the space below explaining how compliance is achieved.*
EX: Not permitted by health & safety to be turned off; EXCEPTION 1 to §130.2(c)

BUILDING EXTERIOR	< 40W

Registration Number:
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STATE OF CALIFORNIA
Outdoor Lighting
NRCC-LTO-E
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			NRCC-LTO-E
Project Name:	MCKINLEY POOL	Report Page:	(Page 3 of 7)
Project Address:		Date Prepared:	4/25/2022

F. OUTDOOR LIGHTING FIXTURE SCHEDULE

For new or altered lighting systems demonstrating compliance with §140.7 all new luminaires being installed and any existing luminaires remaining or being moved within the spaces covered by the permit application are included in the Table below. For altered lighting systems using the Existing Power method per §141.0(b)2I, only new luminaires being installed and replacement luminaires being installed as part of the project scope are included (ie, existing luminaires remaining or existing luminaires being moved are not included).

Designed Wattage:

01	02		03	04	05	06	07	08	09	10	
Name or Item Tag	Complete Luminaire Description		Watts per luminaire[1,2]	How is Wattage determined	Total number luminaires [2]	Luminaire Status[3]	Excluded per §140.7(a)	Design Watts	Cutoff Req.-> 6,200 initial lumen output	Field Inspector	
									§130.2(b) [4]	Pass	Fail
D	6" LED DOWNLIGHT	☐ Linear	13	Mfr. Spec	16	New	☐	208	NA: < 6200 lumens	☐	☐
S	LED SPOT LIGHT	☐ Linear	40	Mfr. Spec	3	New	☐	120	NA: < 6200 lumens	☐	☐
							Total Design Watts:	328			

** 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 §130.2(b)

[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 should be indicated in column 05 instead of number of luminaires.
[3] Select "New" for new luminaires in a new outdoor lighting project, or for added luminaires in an alteration. Select "Altered" for replacement luminaires in an alteration. Select "Existing to Remain" for existing luminaires within the project scope that are not being altered and are remaining. Select "Existing Reinstalled" for existing luminaires which are being removed and reinstalled as part of the project scope.
[4] Compliance with mandatory cutoff requirements is required for luminaires with initial lumen output >= 6,200 unless exempted by §130.2(b)

G. CUTOFF REQUIREMENTS (BUG)
This section does not apply to this project.

Registration Number:
CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance
Registration Date/Time:
Report Version: 2019.1.003
Schema Version: rev 20200601
Registration Provider: Energysoft
Report Generated: 2022-04-25 09:39:37

STATE OF CALIFORNIA
Solar Ready Areas
NRCC-SRA-E
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			NRCC-SRA-E
Project Name:	MCKINLEY POOL	Report Page:	(Page 1 of 5)
Project Address:		Date Prepared:	4/25/2022

This document is used to demonstrate compliance with mandatory requirements in §110.10 for newly constructed buildings which are either high-rise multifamily ten stories or fewer, hotel/motel ten stories or fewer or all other nonresidential buildings three sotires or fewer. It is also used to demonstrate compliance with additions to these building types which add more than 2,000 ft² of roof area. Alterations or additions of less than 2,000 ft² are not required to comply with §110.10.

A. GENERAL INFORMATION

01	Project Location (city)	STOCKTON	04	Building Type	Other nonresidential bldg 3 stories or fewer
02	Climate Zone	12	05	Construction Type	New Construction
03	☐ Roof is designed for vehicle traffic, parking or for heliport				
03a	Plan sheet showing roof design for vehicle traffic, parking or heliport exception:				

B. PROJECT SCOPE

The compliance path the project is using to comply per §110.10(b)1B is indicated below.

My project consists of (check one):

1		
☒	Provide Solar Ready Area no exceptions	The project has allocated a solar zone on the roof plan per requirements in §110.10(b), as documented in Table F.
☐	Exception to Solar Ready Area: Installed Solar Photovoltaic System	The project includes a permanently installed solar electric system having a nameplate DC power rating, measured under Standard Test Conditions, of no less than one watt per square foot of roof area as documented in Table G.
	Exception to Solar Ready Area: Installed Solar Water Heating System	The project is a hotel/motel or high-rise multifamily occupancy and includes a permanently installed domestic solar water-heating system complying with §150.1(c)8B(i) and Reference Residential Appendix RA4, as documented in Table H.
	Exception to Solar Ready Area: Smart Thermostat and Alternative Energy Efficiency Measure	The project is a high-rise multifamily occupancy where all thermostats in each dwelling unit comply with §110.12(a) AND at least one additional measure listed in Exception 4 to §110.10(b)1B is installed, as documented in Table I.

Registration Number:
CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance
Registration Date/Time:
Report Version: 2019.1.003
Schema Version: rev 20200601
Registration Provider: Energysoft
Report Generated: 2022-04-25 09:39:37

STATE OF CALIFORNIA
Outdoor Lighting
NRCC-LTO-E
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			NRCC-LTO-E
Project Name:	MCKINLEY POOL	Report Page:	(Page 7 of 7)
Project Address:		Date Prepared:	4/25/2022

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: RICHARD SMITH	Documentation Author Signature:
Company: HCS Engineering, Inc.	Signature Date:
Address: 4512 FEATHER RIVER DR STE F	CEA/ HERS Certification Identification (if applicable): E14303
City/State/Zip: STOCKTON CA 95219	Phone: 209-478-8270

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: Richard Smith, PE E14303	Responsible Designer Signature:
Company: HCS Engineering, Inc	Date Signed: 2022-04-25
Address: 4512 Feather River Dr #F	License: Electrical Engineering
City/State/Zip: Stockton CA 95219	Phone: 209-478-8270

Registration Number:
CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance
Registration Date/Time:
Report Version: 2019.1.003
Schema Version: rev 20200601
Registration Provider: Energysoft
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STATE OF CALIFORNIA
Outdoor Lighting
NRCC-LTO-E
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			NRCC-LTO-E
Project Name:	MCKINLEY POOL	Report Page:	(Page 6 of 7)
Project Address:		Date Prepared:	4/25/2022

N. EXISTING CONDITIONS POWER ALLOWANCE (alterations only)
This section does not apply to this project.

O. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selection have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCI/

Form/Title	Field Inspector	
	Pass	Fail
NRCI-LTO-01-E - Must be submitted for all buildings	☐	☐
NRCI-LTO-02-E- Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance.	☐	☐

P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Selections have been made based on information provided in this document. If any selection have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: http://www.energy.ca.gov/title24/attcp/providers.html

Form/Title	Systems/Spaces To Be Field Verified	Field Inspector	
		Pass	Fail
NRCA-LTO-02-A - Must be submitted for all outdoor lighting controls except for alterations where controls are added to <= 20 luminaires.	☐	☐	

Registration Number:
CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance
Registration Date/Time:
Report Version: 2019.1.003
Schema Version: rev 20200601
Registration Provider: Energysoft
Report Generated: 2022-04-25 09:39:37

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NOVEMBER 14, 2022 CALA PROJECT NO. 21013

MCKINLEY PARK RENOVATIONS PROJECT

COMPLIANCE

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

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REGISTERED PROFESSIONAL ENGINEER RICHARD C. SMITH No. E14303 Exp. 6-30-23 ELECTRICAL STATE OF CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By
1	PLAN CHECK #1	10.10.22	RCS	RCS
3	PERMIT CYCLE 2 COMMENTS	02.21.23	RCS	RCS

SCALE	AS SHOWN	APPROVED BY: 7/24/23 DATE	SHEET NO.
DESIGNED BY			ET24C
DRAWN BY			157 OF 158 SHTS
CHECKED BY		CITY ENGINEER	
RECORD DWGS.		STOCKTON, CALIFORNIA	WR21017 PROJECT NO.

5541.156C

CERTIFICATE OF COMPLIANCE			NRCC-SRA-E
Project Name:	MCKINLEY POOL	Report Page:	(Page 4 of 5)
Project Address:		Date Prepared:	4/25/2022

Interconnection Pathways	
Location in construction documents showing the location for inverters and metering equipment and a pathway for the routing of conduit/ plumbing to the electrical service/ water heating system per §110.10(c).	E3

[1]FOOTNOTE: This field is used to document how the percentage of annual solar access was determined per §110.10(b)1B. Solar access is the ratio of solar insolation including shade to the solar insolation without shade. Shading from obstructions located on the roof or any other part of the building shall not be included in the determination of annual solar access.

G. PERMANENTLY INSTALLED SOLAR PHOTOVOLTAIC (PV) SYSTEM

This section does not apply to this project.

H. PERMANENTLY INSTALLED SOLAR HOT WATER SYSTEMS

This section does not apply to this project.

I. SMART THERMOSTATS AND ALTERNATIVE EFFICIENCY MEASURE

This section does not apply to this project.

J. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

There are no NRCI forms required for this project.

K. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

There are no Certificates of Acceptance applicable to solar ready requirements.

CERTIFICATE OF COMPLIANCE			NRCC-SRA-E
Project Name:	MCKINLEY POOL	Report Page:	(Page 3 of 5)
Project Address:		Date Prepared:	4/25/2022

F. ALLOCATED SOLAR ZONE

This table is completed if the project is designating a solar zone to comply with §110.10(b)1B. New construction consider the total roof area; Additions consider newly added roof area. This table demonstrates that the project has designated the minimum area required for the Allocated Solar Zone, and also that the requirements for Solar Zone Subareas have been met. Each subarea must be shown on a roof plan or documented in construction documents. The solar zones must also comply with fire code requirements, including, but not limited to, setback and pathway requirements. Requirements for interconnection pathways must also be included in construction documents, and the location is specified in this table.

Required Minimum Solar Zone

01	02	03	04	05	06			07	08
					Potential Solar Zone Areas: Roof areas with >= 70% Solar Access				
Minimum Solar Zone Area Calculation Method	Total New or Added Roof Area (ft²)	Total New or Added Roof Area Covered with Skylights (ft²)	Minimum Solar Zone Based on Total or Added Roof Area (0.15 x (Roof-Skylt)) (ft²)	Method/ Tools Used to Determine Annual Solar Access for Potential Zones[1]	Low-Sloped Area (<= 2:12 pitch) (ft²)	Steep-Sloped Area (> 2:12 pitch) Oriented 90 ° - 300 ° (ft²)	Total Potential Solar Zone Area (ft²)	Minimum Solar Zone Based on Potential Zone (0.5 x (Total Potential Zone)) (ft²)	Required Minimum Solar Zone Area (ft²)
Total New or Added Roof Area	2407	0	361.05						361.05

Designated Solar Zone Subareas

09	10	11	12	13	14	15	16	17	18	19
Subarea Name or Tag	Building Plan Reference	Roof or Overhang Slope (Low <= 2:12 pitch) (Steep > 2:12 pitch)	Is Steep-Sloped Roof or Overhang between 90 and 300 degrees?	Subarea Complies with Title 24, Part 9	Solar Zone Subarea Free of Obstructions per §110.10(b)3A	Subarea is Required Distance from Potential Obstructions per §110.10(b)3B	Is the Smallest Dimension 5 feet or greater?	Min. Area Required per Subarea (ft²)	Designated Area (ft²)	Subarea Complies?
ROOF	E3.0	SteepSlope	No	Yes	Yes	Yes	Yes	80	370	COMPLIES
							Total Designated Solar Zone Area (ft²):		370	

CERTIFICATE OF COMPLIANCE			NRCC-SRA-E
Project Name:	MCKINLEY POOL	Report Page:	(Page 2 of 5)
Project Address:		Date Prepared:	4/25/2022

C. COMPLIANCE RESULTS

*Results in this table are automatically calculated from data input and calculations in Tables F through I. Note: If any cell on this table says "DOES NOT COMPLY" or "**MPLIES with Exceptional Conditions" refer to Table D, for guidance or see the applicable Table referenced below.*

Allocated Solar Zone				Installed PV System				Installed SWH System				Smart Tstat and Alternative EE Measure		
01		02		03		04		05		06		07	08	09
Required Minimum Area (ft²)	<=	Designated Area (ft²)	OR	Required Minimum DC Power Rating (Watts)	<=	Designed DC Power Rating (Watts)	OR	Required Minimum Solar Savings Fraction	<=	Designed/Rated Solar Savings Fraction	OR	JA5 Compliant Thermostat Specified?	Alternative Energy Efficiency Measure	
(See Table F)				(See Table G)				(See Table H)				(See Table I)		COMPLIES
361	<=	370	OR		<=		OR		<=		OR			
E3				Location within the construction documents showing the location for inverters and metering equipment and a pathway for the routing of conduit/plumbing to the electrical service/ water heating system per §110.10(c).										COMPLIES

D. EXCEPTIONAL CONDITIONS

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

E. ADDITIONAL REMARKS

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

CERTIFICATE OF COMPLIANCE			NRCC-SRA-E
Project Name:	MCKINLEY POOL	Report Page:	(Page 5 of 5)
Project Address:		Date Prepared:	4/25/2022

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name:	Documentation Author Signature:
RICHARD SMITH	
Company: HCS Engineering, Inc.	Signature Date: 2022-04-25
Address: 4512 FEATHER RIVER DR STE F	CEA/ HERS Certification Identification (if applicable): E14303
City/State/Zip: STOCKTON CA 95219	Phone: 209-478-8270

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name:	Responsible Designer Signature:
Richard Smith, PE E14303	
Company: HCS Engineering, Inc	Date Signed: 2022-04-25
Address: 4512 Feather River Dr #F	License: Electrical Engineering
City/State/Zip: Stockton CA 95219	Phone: 209-478-8270

HCS Engineering inc.
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REGISTERED PROFESSIONAL ENGINEER — RICHARD C. SMITH — No. E14303 Exp. 6-30-23 — ELECTRICAL — STATE OF CALIFORNIA

Revision No.	Description	Date	By	Aprvd. By
1	PLAN CHECK #1	10.10.22	RCS	RCS
3	PERMIT CYCLE 2 COMMENTS	02.21.23	RCS	RCS

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DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

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5541.157C