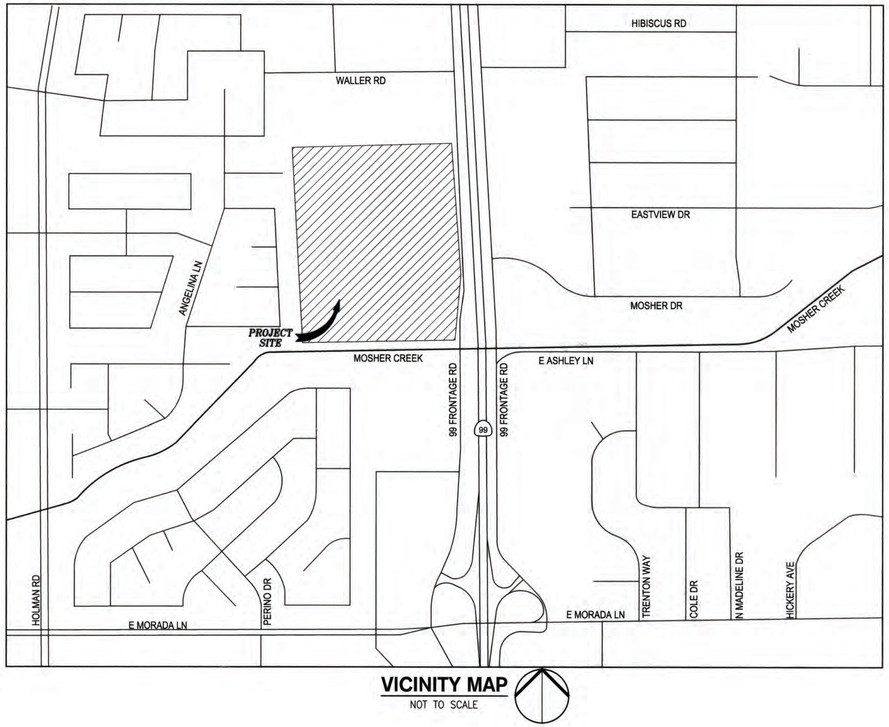
ATTACHMENT B

STOCKTON SOCCER COMPLEX UPGRADES

PROJECT NO. PW1510

CITY OF STOCKTON, CALIFORNIA



VICINITY MAP
NOT TO SCALE

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PROJECT CONTACTS:

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DEFERRED SUBMITTAL:

1. RESTROOM BUILDING
2. PLAYGROUND STRUCTURE

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

REGISTERED PROFESSIONAL ENGINEER
PAUL J. SCHNEIDER
No. 62498
Exp. 09/30/21
CIVIL
STATE OF CALIFORNIA

DATE SIGNED: 06/08/21

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LANDSCAPE ARCHITECTURE
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209-943-2021 www.siegfriedeng.com Fx: 209-942-0214

Revision No.	Description	Date	By	Apprvd. By

STOCKTON SOCCER COMPLEX UPGRADES

TITLE SHEET

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY:	SHEET NO.
DESIGNED BY	PJS/MJK	DATE	C1.0
DRAWN BY	RRG		OF 51 SHEETS
CHECKED BY	PJS	CITY ENGINEER	PW1510
RECORD DWGS.		STOCKTON, CALIFORNIA	PROJECT NO.

54396

F:\1Projects\19128 COS Stockton Soccer Complex Upgrades\Plans and Graphics\Improvement Plans\19128-C1.0-TITLE SHEET.dwg — 06/08/21

ATTACHMENT B

CITY OF STOCKTON GENERAL NOTES

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

GRADING NOTES

1. GRADING AND LAND STABILIZATION SHALL INCLUDE EXCAVATION AND FILL OF STREETS IN ACCORDANCE WITH THE SPECIFICATIONS OF THE SOILS ENGINEER AND UNDER THE DIRECTION, SUPERVISION, MONITORING, TESTING AND APPROVAL OF THE OWNER AND OWNER'S SOILS ENGINEER.
2. GRADING AND LAND STABILIZATION SHALL INCLUDE COST OF DEWATERING; REMOVING FROM THE SITE ALL STRIPPED VEGETATION, DEBRIS, STRUCTURES, POWER POLES, EXISTING PAVEMENT, BUILDINGS, TREES, AND OTHER DELETERIOUS MATERIALS.
3. STOCKPILES OF EXISTING DELETERIOUS MATERIAL SHALL BE DISPOSED OF UNDER THE DIRECTION AND SUPERVISION OF THE OWNER AND OWNER'S SOILS ENGINEER.
4. ALL IMPORTED FILL SHALL BE APPROVED BY THE SOILS ENGINEER.
5. TOPOGRAPHICAL INFORMATION SHOWN REFLECTS A TOPOGRAPHY SURVEY PERFORMED BY SIEGFRIED ENGINEERING.
6. ANY AND ALL SEDIMENT AND/OR EROSION CONTROL DETAILS CONTAINED WITHIN THESE PLANS ARE TO BE CONSIDERED AS "REFERENCE DETAILS" ONLY AND THE CITY'S APPROVAL OF THESE PLANS AND "REFERENCE DETAILS" DOES NOT RELIEVE THE OWNER/DEVELOPER FROM COMPLIANCE WITH THE STORM WATER POLLUTION PREVENTION PLAN AS APPROVED BY THE CITY'S STORM WATER DIVISION. THIS PROJECT DISTURBS LESS THAN ONE ACRE, THUS A SWPP PLAN OR EROSIVITY WAIVER IS NOT REQUIRED.

GEOTECHNICAL NOTES

1. CONTRACTOR TO REFERENCE GEOTECHNICAL REPORT FOR ALL SUBGRADE PREPARATION, PAVEMENT RECOMMENDATIONS, SLAB ON GRADE THICKNESS, ETC. AND COMPARE WITH ANY RECOMMENDATIONS ON THE PLANS, IF ANY DISCREPANCIES EXISTING NOTIFY THE ENGINEERS IMMEDIATELY.
2. GEOTECHNICAL ENGINEERING SERVICES REPORT PREPARED BY BSK ASSOCIATES, SEPTEMBER 18, 2020.
3. SEISMIC DESIGN PARAMETERS:

UTILITY NOTES

WATER

1. ALL WATER LINES SHALL BE PRESSURE-TESTED, DISINFECTED, FLUSHED, AND TESTED FOR BACTERIA IN CONFORMANCE WITH THE CITY OF STOCKTON SPECIFICATIONS PRIOR TO FINAL ACCEPTANCE BY THE CITY.
2. ALL WATER SERVICES SHALL BE 1" MINIMUM. WATER SERVICE SHALL BE CONNECTED TO WATER MAINS WITH TWO-STRAP BRONZE SADDLES. CITY SHALL MAKE ALL TAPS ON EXISTING WATER MAINS ONLY.
3. ALL VALVES, TEES AND CROSSES TO BE FLANGED TO THEIR RESPECTIVE FITTINGS. WATER VALVES TO BE RESILIENT SEAT ONLY.
4. WATER MAINS AT THE END OF FUTURE STREETS SHALL HAVE TWO (2) HALF-LENGTHS OF PIPE BETWEEN GATE VALVE AND BLOW-OFF PER CITY OF STOCKTON DWG. W-10. DEFLECTION OF WATER LINES SHALL NOT EXCEED 80% OF MANUFACTURER'S SPECIFICATIONS.
5. WATER MAINS SHALL BE AS PER CITY STANDARDS, FIRE HYDRANTS SHALL BE PER CITY OF STOCKTON DWG. W-13, AND BLOW-OFF VALVES PER CITY OF STOCKTON STD. DWG. W-10.
6. ALL VALVE STEMS MUST BE BROUGHT TO A MINIMUM OF 4' BELOW FINISH GRADE WITH STEM EXTENSION UNITS.
7. THRUST BLOCKS SHALL BE PROVIDED AT ALL REQUIRED LOCATIONS ON WATER LINE IN ACCORDANCE WITH THE CITY OF STOCKTON SPECIFICATIONS AND CITY OF STOCKTON DWG. W-12.
8. ALL BACKFLOW DEVICES SHALL BE INSTALLED WITH A WEATHER BLANKET FOR PROTECTION.

STORM DRAIN

1. STORM DRAIN PIPE SIZES SHALL NOT BE CHANGED WITHOUT THE APPROVAL OF THE DESIGN ENGINEER.
2. STORM DRAIN PIPE:
   a. REINFORCED CONCRETE PIPE, PER CITY OF STOCKTON STANDARD
   b. CAST-IN-PLACE CONCRETE PIPE, PER CITY OF STOCKTON STANDARD
   c. PVC PIPE, SDR 26, PER CITY OF STOCKTON STANDARD
   d. HDPE PIPE, PER CITY OF STOCKTON STANDARD
3. CATCH BASINS TO BE CONSTRUCTED PER CITY STANDARD DETAILS.
4. ALL CONSTRUCTION SITE ACTIVITIES, REGARDLESS OF PROJECT SIZE, SHALL CONFORM TO THESE STANDARDS . PROJECTS GREATER THAN ONE (1) ACRE SHALL ALSO CONFORM TO THE STATE WATER RESOURCES CONTROL BOARD (SWRCB) GENERAL CONSTRUCTION ACTIVITY STORM WATER PERMIT.

SANITARY SEWER

1. SANITARY SEWER PIPE SHALL BE:
   a. V.C.P. EXTRA STRENGTH (ASTM C-700), PER CITY OF STOCKTON STANDARD SPECIFICATIONS
   b. PVC PIPE, SDR-26, PER CITY OF STOCKTON STANDARD
   c. HDPE PIPE, PER CITY OF STOCKTON STANDARD
2. ALL SANITARY SEWER MAINS SHALL BE TELEVISION INSPECTED, FLUSHED WITH AN APPROVED SEWER BALL AND PASS A LEAKAGE TEST IN CONFORMANCE WITH CITY OF STOCKTON STANDARD SPECIFICATIONS PRIOR TO ACCEPTANCE BY THE CITY. ALL TESTING SHALL BE PERFORMED AFTER THE COMPACTION FOR STREET BASE ROCK AND PRIOR TO PAVING.
3. A CLEANOUT SHALL BE PLACED AT RIGHT-OF-WAY LINE PER COS DWG. NO. S-17. COVER ON LATERAL AT PROPERTY LINE TO BE 3' MINIMUM TO 5' MAXIMUM EXCEPT AS NOTED ON PLANS.
4. ALL MAINTENANCE HOLES CONSTRUCTED ON A TRUNK MAIN SHALL BE PVC LINED PER INDUSTRY STANDARD/MANUFACTURE'S SPECIFICATIONS AND TESTED IN CONFORMANCE WITH CITY OF STOCKTON STANDARD SPECIFICATIONS.

TABLE 1: SEISMIC DESIGN PARAMETERS

SEISMIC DESIGN PARAMETER	2019 CBC VALUE		REFERENCE
MCE MAPPED SPECTRAL ACCELERATION (g)	S_S = 0.650	S1 = 0.265	USGS MAPPED VALUE
AMPLIFICATION FACTORS (SITE CLASS D)	F_A = 1.280	F_V = NULL[1](2.070)[2]	ASCE TABLE 11.4
SITE ADJUSTED MCE SPECTRAL ACCELERATION (g)	S_{MS} = 0.832	S_{M1} = NULL[1](0.549)[2]	ASCE EQUATIONS 11.4.1-2
DESIGN SPECTRAL ACCELERATION (g)	S_{DS} = 0.555	S_{D1} = NULL[1](0.366)[2]	ASCE EQUATIONS 11.4.1-4
GEOMETRIC MEAN PGA (g)	PGA_M = 0.361		SECTION 11.8.3, ASCE 7-16
SITE SHORT PERIOD - T_S (SECONDS)	T_S = 0.659		$T_S = S_{D1}/S_{DS}$
SITE SHORT PERIOD - T_L (SECONDS)	T_L = 12		USGS MAPPED VALUE

NOTE: [1] REQUIRES SITE-SPECIFIC GROUND MOTION PROCEDURE OR EXCEPTION AS PER ASCE 7-16 SECTION 11.4.8
[2] VALUES FROM ASCE 7-16 SUPPLEMENT, SHALL ONLY BE USE TO CALCULATE T_S

SURVEY MONUMENT PRESERVATION:

1. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL ENGAGE A LICENSED SURVEYOR TO PERFORM A PRE-CONSTRUCTION MONUMENT PRESERVATION SURVEY IN ACCORDANCE WITH SECTIONS 8771(B) OF THE BUSINESS AND PROFESSIONS CODE OF THE STATE OF CALIFORNIA. LOCATIONS OF EXISTING MONUMENTATION KNOWN TO THE ENGINEER THAT ARE WITHIN THE AREA OF PROJECT HAVE BEEN INDICATED ON THE PLANS FOR REFERENCE. AT THE COMPLETION OF CONSTRUCTION, BUT PRIOR TO FINAL APPROVAL OF THE IMPROVEMENTS, CONTRACTOR'S LICENSED SURVEYOR SHALL PERFORM A POST-CONSTRUCTION MONUMENT PRESERVATION SURVEY IN ACCORDANCE WITH SECTIONS 8771(C) AND 8771(D), AND, IF NECESSARY, FILE A RECORD OF SURVEY OR CORNER RECORD(S) IN ACCORDANCE WITH SECTION 8771(F).

SPECIAL FLOOD HAZARD AREA (SFHA): ZONE A

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

LEGEND

EXISTING	PROPOSED
UNDERGROUND ELECTRIC LINE	
UNDERGROUND GAS LINE	
UNDERGROUND TELECOMMUNICATION LINE	
OVERHEAD ELECTRIC LINE	
TOP OF CURB ELEVATION / FLOW LINE ELEVATION	
CONCRETE ELEVATION	
PAVEMENT ELEVATION	
CENTER LINE	
PROPERTY & R/W LINE	
CHAIN LINK FENCING	
SAW CUT LINE	
SANITARY SEWER LINE	
STORM DRAIN LINE	
WATER LINE	
CATCH BASIN	
DRAIN INLET	
AREA DRAIN	
MAINTENANCE HOLE	
FIRE HYDRANT	
GATE VALVE	
CLEANOUT	
WATER METER	
CORPORATION STOP	
STREET LIGHT	
SIGN	
BOLLARD	
ELECTRICAL BOX	
UTILITY VAULT	
IRRIGATION CONTROL VALVE	
POWER POLE	
GUY ANCHOR	
RISER	
ELECTRICAL METER	
CIRCUIT BREAKER	
GROUND TO EARTH	
SWITCH	
SIMPLEX RECEPTACLE, +15" AFF UON	
DUPLEX RECEPTACLE, +15" AFF UON	
FOURPLEX RECEPTACLE, +15" AFF UON	
NOTE CALLOUT	
TREE	
DETAIL REFERENCE	

DETAIL NUMBER 5 / SHEET NUMBER C-21

ABBREVIATION	DESCRIPTION
A	AMPERE
AB	AGGREGATE BASE
ABS	ACRYLONITRILE-BUTADIENE-STYRENE
AC	ASPHALT CONCRETE
AWG	AMERICAN WIRE GAUGE
BC	BEGINNING OF CURB RETURN
BO	BLOWOFF
BOC	BACK OF CURB
BOW	BACK OF WALK
C	CONDUIT
C & G	CURB AND GUTTER
C,G, & SW	CURB, GUTTER, AND SIDEWALK
CKT	CIRCUIT
CL	CENTERLINE
CB	CATCH BASIN
C.B.C.	CALIFORNIA BUILDING CODE 2010
CJ	CONSTRUCTION JOINT
CO	CLEANOUT
C.O.S.	CITY OF STOCKTON
CU	COPPER
DIA	DIAMETER
DIP	DUCTILE IRON PIPE
DWG	DRAWING
EBOW	EXISTING BACK OF WALK
EC	END OF CURB RETURN
EL	ELEVATION
EP	EDGE OF PAVEMENT, EXISTING PAVEMENT
EQUIP	EQUIPMENT
ESMT	EASEMENT
EX.	EXISTING
FL	FLOWLINE
FH	FIRE HYDRANT
FT.	FEET
G	GROUND
GB	GRADE BREAK
HORIZ	HORIZONTAL
HP	HIGH POINT
ID	INSIDE DIAMETER
IN.	INCH
JB	JUNCTION BOX
KV	KILOVOLT
KVA	KILOVOLT-AMPERE
KW	KILOWATT
LF	LINEAL FEET
LH	LAMP HOLE
LP	LOW POINT
LT	LEFT
LTS	LIME TREATED SUB-BASE
MAX	MAXIMUM
MH	MAINTENANCE HOLE
MIN	MINIMUM
NEC	NATIONAL ELECTRONIC CODE
NO.	NUMBER
NTS	NOT TO SCALE
OD	OUTSIDE DIAMETER
P	PAVEMENT
PB	PULLBOX/PUSHBUTTON
PC	PHOTOCELL
PL	PROPERTY LINE
PP	POWER POLE
PT	POINT
PUE	PUBLIC UTILITY EASEMENT
PVC	POLYVINYL CHLORIDE
PWR	POWER
R	RADIAL OR RADIUS
R/W	RIGHT-OF-WAY
RC	ROLL-CURB
RCP	REINFORCED CONCRETE PIPE
RET	RETURN
RT	RIGHT
SD	STORM DRAIN
SS	SANITARY SEWER
SL	STREET LIGHT
SW	SIDEWALK
SDMH	STORM DRAIN MAINTENANCE HOLE
SHT	SHEET
SSMH	SANITARY SEWER MAINTENANCE HOLE
STA	STATION
STD	STANDARD
SWBD	SWITCHBOARD
TC	TOP OF CURB
TOW	TOP OF WALL
THRU	THROUGH
TI	TRAFFIC INDEX
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
UV	UNDERGROUND VAULT
VCP	VITRIFIED CLAY PIPE
VERT	VERTICAL
W	WATER
(W)	WEST
(E)	EAST
(S)	SOUTH
(N)	NORTH
±	PLUS OR MINUS

REGISTERED PROFESSIONAL ENGINEER — PAUL J. SCHNEIDER — No. 62498 — Exp. 09/30/21 — CIVIL — STATE OF CALIFORNIA

DATE SIGNED: 06/08/21

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Revision No.	Description	Date	By	Apprvd. By

STOCKTON SOCCER COMPLEX UPGRADES

GENERAL NOTES, LEGEND, AND ABBREVIATIONS

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY:	SHEET NO. C2.0
DESIGNED BY	PJS/MJK	DATE	OF 51 SHEETS
DRAWN BY	RRG		PW1510 - PROJECT NO.
CHECKED BY	PJS	CITY ENGINEER	
RECORD DWGS.		STOCKTON, CALIFORNIA	

5439.1C

F:\1Projects\19129 COS Stockton Soccer Complex Upgrades\Plans and Graphics\Improvement Plans\19129-C2.0-NOTES SHEET.dwg — 06/08/21

ATTACHMENT B

GENERAL PA

ALL MATERIAL AND CONSTRUCTION PROCEDURES WITHIN THE SCOPE OF THIE PROJECT SHALL CONFORM TO ALL APPLICALBE CITY OF STOCKTON STANDARD SPECIFICATIONS (LATEST EDITION).

1. CONTRACTOR SHALL IMMEDIATELY NOTIFY ENGINEER OF ANY QUESTION THAT MAY ARISE CONCERNING THE INTENT, PLACEMENT, OR LIMITS OF DIMENSIONS NECESSARY FOR CONSTRUCTION OF THIS PROJECT.
2. ALL DIMENSIONS ARE TO FACE OF CURB, FACE OF BUILDING, CENTER OF PAINT STRIPING OR PERPENDICULAR TO THE PROPERTY LINE. CONTRACTOR SHALL VERIFY DIMENSIONS MATCH STRUCTURAL AND ARCHITECTURAL PLANS PRIOR TO CONSTRUCTION.
3. ALL CURB RADII ARE 2.5', UNLESS OTHERWISE NOTED.
4. ALL COORDINATE POINTS ARE AT FACE OF CURB OR RADIUS POINT. BUILDING CONTROL POINTS ARE AT THE OUTER MOST EDGE OF THE BUILDING ENVELOPE.
5. THE CONTRACTOR SHALL SAWCUT EXISTING PAVEMENT, CURBS, AND SIDEWALKS AT NEW PAVEMENT, CURB AND SIDEWALK JUNCTURES. NO JAGGED OR IRREGULAR CUTS WILL BE ALLOWED OR ACCEPTED.
6. ALL PAVEMENT MARKINGS SHALL RECEIVE TWO COATS OF PAINT.
7. ALL SIGNS SHALL CONFORM TO MUTCD, LATEST EDITION.
8. ALL CONCRETE SIDEWALK SHALL BE 5' IN WIDTH UNLESS OTHERWISE SPECIFIED.
9. ALL CURBS ARE 6" HIGH UNLESS OTHERWISE NOTED.

LEGEND:

ACCESSIBLE PATH OF TRAVEL

PROPOSED TREE

PROPOSED SPORTS FIELD LIGHT

FEMA FLOOD ZONE LEGEND:

ZONE A
NO BASE FLOOD ELEVATIONS DETERMINED

ZONE X
AREA WITH REDUCED FLOOD RISK DUE TO LEVEE

ZONE X
0.2% ANNUAL CHANCE FLOOD HAZARD, AREAS OF 1% ANNUAL CHANCE FLOOD WITH AVERAGE DEPTH LESS THAN ONE FOOT OR WITH DRAINAGE AREAS OF LESS THAN ONE SQUARE MILE.

PARKING SUMMARY

TOTAL NUMBER PARKING STALLS	382 STALLS
ACCESSIBLE STALL REQUIREMENT	
STANDARD PARKING PROVIDED: 301 TO 400 (1 VAN STALL FOR EVERY 6 ACCESSIBLE STALLS)	ACCESSIBLE PARKING REQUIRED: 8 STALLS
STANDARD PARKING STALLS PROVIDED	372 STALLS
STANDARD ACCESSIBLE PARKING PROVIDED	8 STALLS
VAN STALL ACCESSIBLE PARKING PROVIDED	2 STALLS
TOTAL PROVIDED	382 STALLS

REGISTERED PROFESSIONAL ENGINEER PAUL J. SCHNEIDER No. 62498 Exp. 09/30/21 CIVIL STATE OF CALIFORNIA

DATE SIGNED: 06/08/21

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

0' 30' 60' 120'
SCALE: 1"=60'

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STRUCTURAL ENGINEERING
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LAND SURVEYING
3428 Brookside Road Stockton, California 95219
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Revision No.	Description	Date	By	Apprvd. By

STOCKTON SOCCER COMPLEX UPGRADES

SITE PLAN

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY	SHEET NO. C3.0
DESIGNED BY	PJS/MJK	DATE	OF 51 SHEETS
DRAWN BY	RRG		
CHECKED BY	PJS	CITY ENGINEER STOCKTON, CALIFORNIA	PW1510 PROJECT NO.
RECORD DWGS.			

5439.2C

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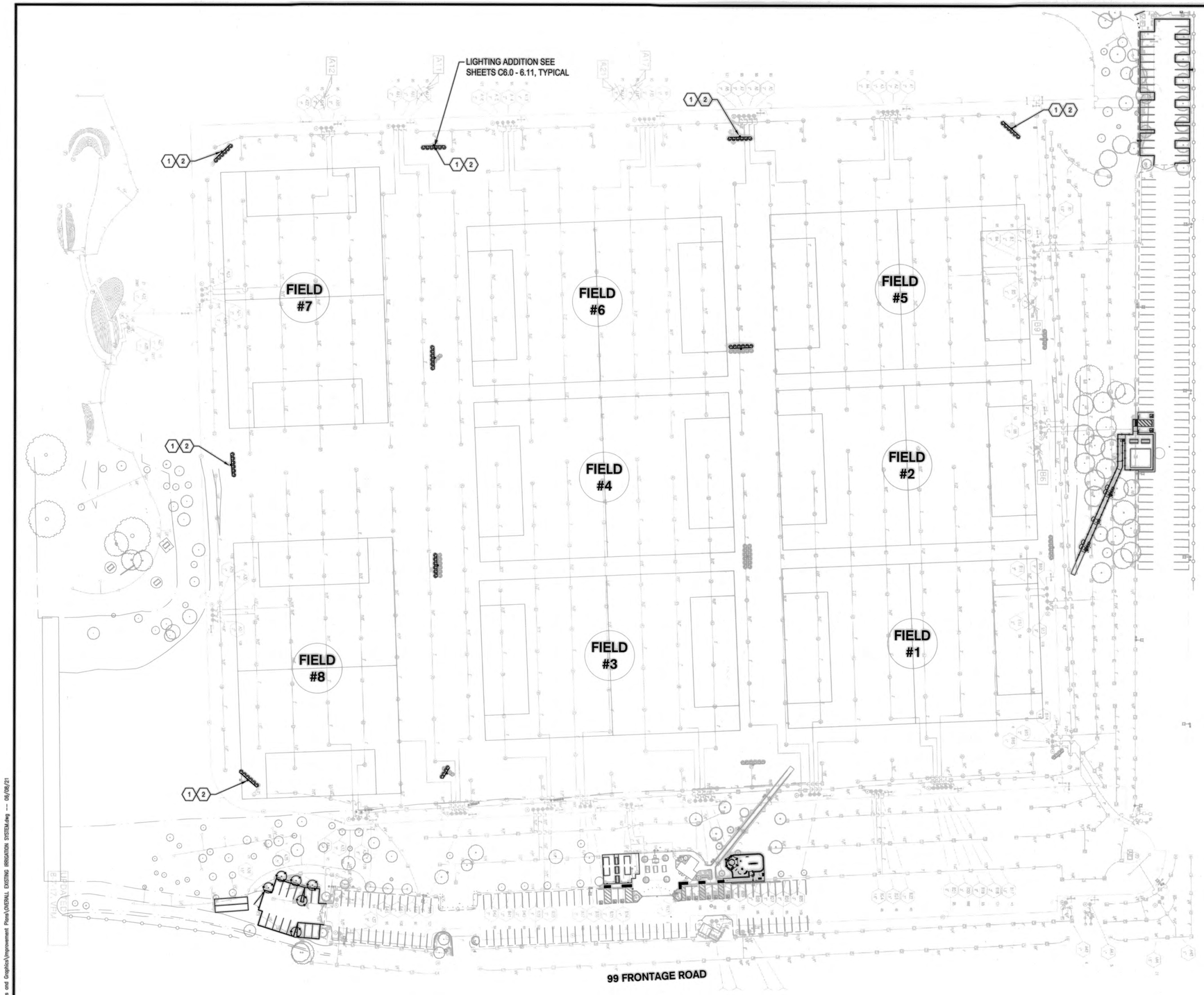
ATTACHMENT B



KEY NOTES:

1. CONTRACTOR WILL PROTECT IN PLACE EXISTING UNDERGROUND IRRIGATION SYSTEM DURING INSTALLATION OF NEW LIGHT BASES AND CONDUITS.
2. EXISTING ROTORS WILL BE ADJUSTED AND RELOCATED A MINIMUM OF 5' FROM NEW LIGHT POLE BASES.

GENERAL IRRIGATION NOTES

1. CONTRACTOR SHALL NOT INTERRUPT PARK IRRIGATION FOR ANY LONGER THAN 5 CALENDAR DAYS MAXIMUM.
2. TEMPORARY WATER SERVICE CONNECTION TO PARK SHALL BE PROVIDED BY CONTRACTOR FOR ANY ANTICIPATED INTERRUPTION IN POTABLE WATER SERVICE LONGER THAN 5 CALENDAR DAYS.
3. CONTRACTOR SHALL FIELD VERIFY LOCATION OF ALL EXISTING IRRIGATION EQUIPMENT AND SHUT OFF VALVES PRIOR TO CONSTRUCTION.
4. FINAL ADJUSTMENTS WILL BE REVIEWED AND APPROVED BY CITY REPRESENTATIVE .

LICENSED LANDSCAPE ARCHITECT
ROBERT J. NORBUT, A.S.L.A.
No. 3595
Signature
Exp. 11/30/22
STATE OF CALIFORNIA

DATE SIGNED: 06/08/21

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

0' 30' 60' 120'
SCALE: 1"=60'

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Revision No.	Description	Date	By	Apprvd. By

STOCKTON SOCCER COMPLEX UPGRADES

EXISTING IRRIGATION SYSTEM

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY:	SHEET NO.
DESIGNED BY	PJS/MJK	DATE	C3.1
DRAWN BY	RRG		OF 51 SHEETS
CHECKED BY	PJS	CITY ENGINEER	PW1510
RECORD DWGS.		STOCKTON, CALIFORNIA	PROJECT NO.

5439.36

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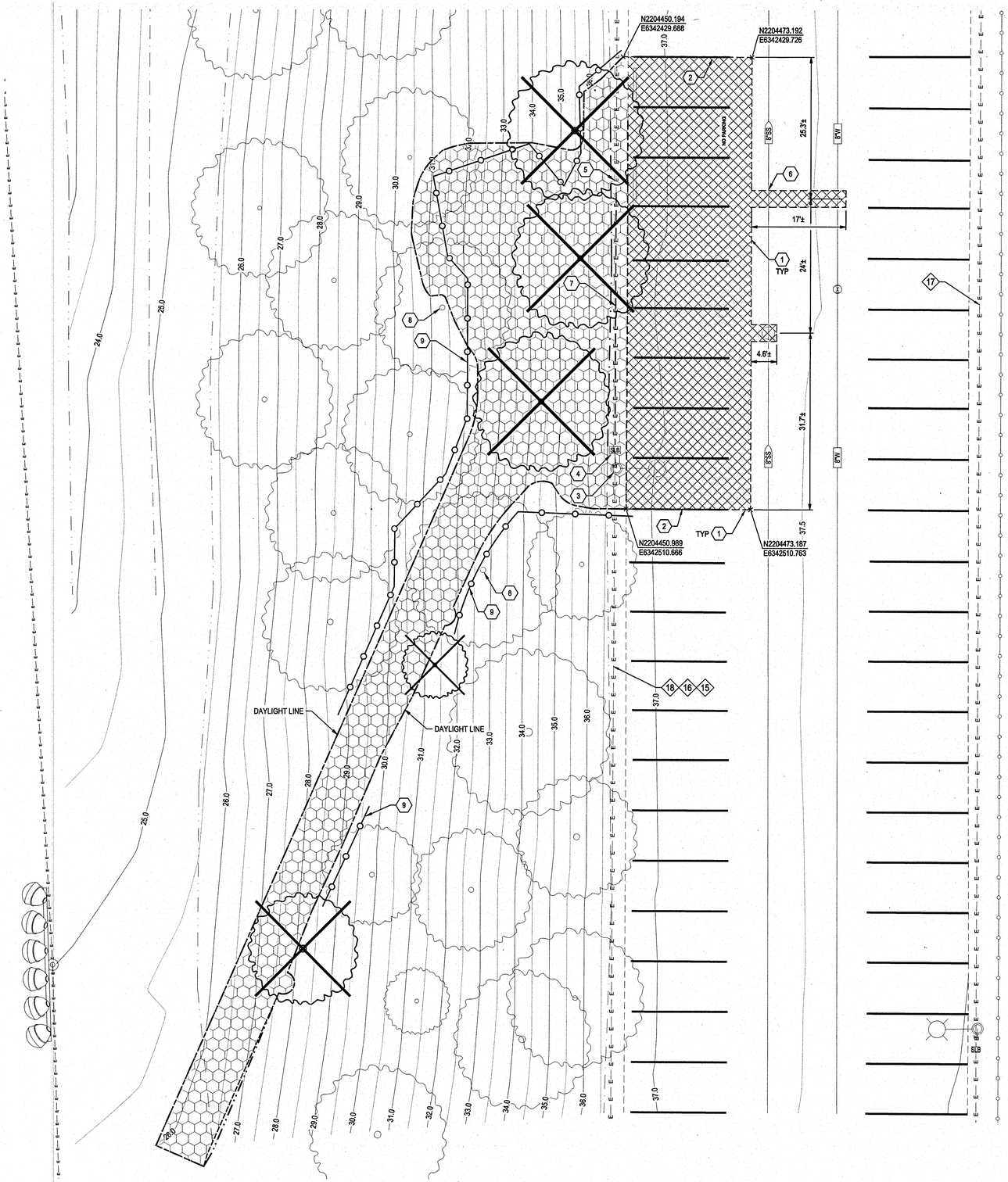
ATTACHMENT B



1 **NORTH RESTROOM**
SCALE: 1" = 10'

0' 5' 10' 20'
SCALE: 1"=10'

DEMOLITION NOTES:

1. CONTRACTOR IS RESPONSIBLE FOR REMOVING AND PI THE SITE INCLUDING: PAVEMENT, CONCRETE, CURB A MATERIALS.
2. IF ANY QUESTIONS ARISE AS TO WHETHER SOMETHING SHOULD BE REMOVED, CONTRACTOR SHALL CONTACT SIEGFRIED ENGINEERING, INC. IMMEDIATELY AT 209-943-2021.
3. ANYTHING NOT CALLED OUT TO BE REMOVED SHALL BE PROTECTED IN PLACE, AND IF DAMAGED, SHALL BE REPLACED / REPAIRED AT THE CONTRACTOR'S EXPENSE.
4. ALL EXISTING UTILITIES WERE PLOTTED FROM RECORD INFORMATION AND FIELD TOPOGRAPHY. ACTUAL LOCATIONS MAY VARY AND ADDITIONAL CROSSINGS MAY EXIST IN THE FIELD. IT IS IMPERATIVE THAT "U.S.A. LOCATING SERVICES" LOCATE AND MARK EXISTING UTILITIES PRIOR TO THE START OF EXCAVATION.
5. THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN EXPOSING EXISTING UTILITY CROSSINGS AND SERVICES.
6. SEE SHEET C5.2 RESTROOM IRRIGATOON PLAN FOR EXISTING IRRIGATION DEMOLITION

LEGEND

- REMOVE AND DISPOSE OF EXISTING ASPHALT PAVEMENT AND SUBGRADE TO ACCOMMODATE THE NEW STRUCTURAL SECTION
- CLEAR AND GRUB
- REMOVE AND DISPOSE OF EXISTING TREE, INCLUDING STUMP AND ROOTS
- (18) FEEDER SCHEDULE TAG, SEE FEEDER SCHEDULE ON SHEET E1.0 DETAIL 2

KEY NOTES:

1. SAWCUT
2. REMOVE EXISTING STRIPING BY GRINDING IF OUTSIDE OF ASPHALT REMOVAL AREA
3. PROTECT IN PLACE, EXISTING LIGHT POLE
4. PROTECT IN PLACE, EXISTING PULL BOX
5. PROTECT IN PLACE, EXISTING ELECTRICAL CONDUIT
6. PROTECT IN PLACE, EXISTING SANITARY SEWER LINE
7. REMOVE AND DISPOSE, EXISTING ELECTRICAL CONDUITS AND CONDUCTORS. SEE SHEET C5.0 FOR RELOCATION PLAN
8. PROTECT IN PLACE, EXISTING TREE. CONTRACTOR TO COORDINATE WITH CITY REPRESENTATIVE IF REMOVAL IS REQUIRED
9. TREE PRESERVATION AND FENCING:

   A. TREES WITHIN THE LIMIT OF WORK WHICH ARE NOT BEING REMOVED, SHALL BE FENCED AND PROTECTED. FENCING MAY OCCUR AT THE COMBINED DRIPLINES OF GROVES OF TREES. PLACE 3" BARK MULCH BENEATH TREES TO BE PRESERVED WITHIN 10FT OF TRUNK.

   B. FENCING SHALL BE 6-FOOT TALL ORANGE ESA FENCING.

   C. NO GRADING SHALL OCCUR WITHIN THE FENCED AREA OF EXISTING TREES.

   D. NO CONSTRUCTION MATERIALS OR CONSTRUCTION VEHICLES MAY BE STORED WITHIN THE FENCING AREA OF EXISTING TREES.

   E. CONSTRUCTION VEHICLES OR MACHINERY MAY NOT PASS BETWEEN TWO OR MORE EXISTING TREES IDENTIFIED FOR PRESERVATION IF THEIR CANOPIES ARE WITHIN 10 FEET OF TOUCHING. ADDITIONAL FENCING MAY BE REQUIRED BY THE CITY TO ENFORCE THIS.

   F. TREE PRESERVATION MEASURES MUST BE IN PLACE BEFORE CONSTRUCTION, DEMOLITION AND/OR GRADING ACTIVITIES COMMENCE. THE CITY WILL STOP CONSTRUCTION IF TREE PRESERVATION MEASURES ARE NOT IN PLACE AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.

   G. THE CONTRACTOR IS REQUIRED TO HAVE AN ARBORIST CERTIFIED BY THE INTERNATIONAL SOCIETY OF ARBORICULTURE (ISA) ON SITE. IF SITE CONSTRUCTION EFFORTS REQUIRE REMOVAL OF EXISTING ROOTS OR BRANCH PRUNING. A CERTIFIED ARBORIST, APPROVED BY THE CITY, SHALL BE ON SITE AND MONITOR ALL ROOT PRUNING AND BRANCH PRUNING OF EXISTING HERITAGE TREES.

   H. UNAUTHORIZED TREE REMOVAL IS SUBJECT TO IN-KIND REPLACEMENT EQUAL TO THE MATURE RESOURCE LOST, AS DETERMINED BY THE CITY.

   I. THE CONTRACTOR IS REQUIRED TO WATER, FERTILIZE AND ATTEND TO OTHER MAINTENANCE NEEDS OF EXISTING TREES AS NEEDED TO MAINTAIN HEALTHY GROWTH THROUGHOUT THE CONSTRUCTION PERIOD. SIX FEET DIAMETER, MINIMUM, BY SIX-INCH TALL EARTH BERMS SHALL BE CONSTRUCTED AT THE BASE OF EACH TREE TO FUNCTION AS TEMPORARY WATERING DURING THE CONSTRUCTION PERIOD. TREES SHALL BE WATERED ACCORDING TO WEATHER AND TREE REQUIREMENTS.

   J. NOT ALL SITUATIONS WILL ALLOW FOR THE ABOVE CLEARANCES. EACH TREE THAT DOES NOT ALLOW FOR THE ABOVE CLEARANCES SHALL BE EVALUATED ON A CASE BY CASE BASIS BY OWNER .

REGISTERED PROFESSIONAL ENGINEER
PAUL J. SCHNEIDER
No. 62498
Exp. 09/30/21
CIVIL
STATE OF CALIFORNIA

DATE SIGNED: 06/08/21

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Revision No.	Description	Date	By	Apprvd. By

STOCKTON SOCCER COMPLEX UPGRADES

RESTROOM ADDITION DEMOLITION PLAN

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY:	SHEET NO.
DESIGNED BY	PJS/MJK	DATE	C4.0
DRAWN BY	RRG		OF 51 SHEETS
CHECKED BY	PJS	CITY ENGINEER	PW1510
RECORD DWGS.		STOCKTON, CALIFORNIA	PROJECT NO.

5439.46

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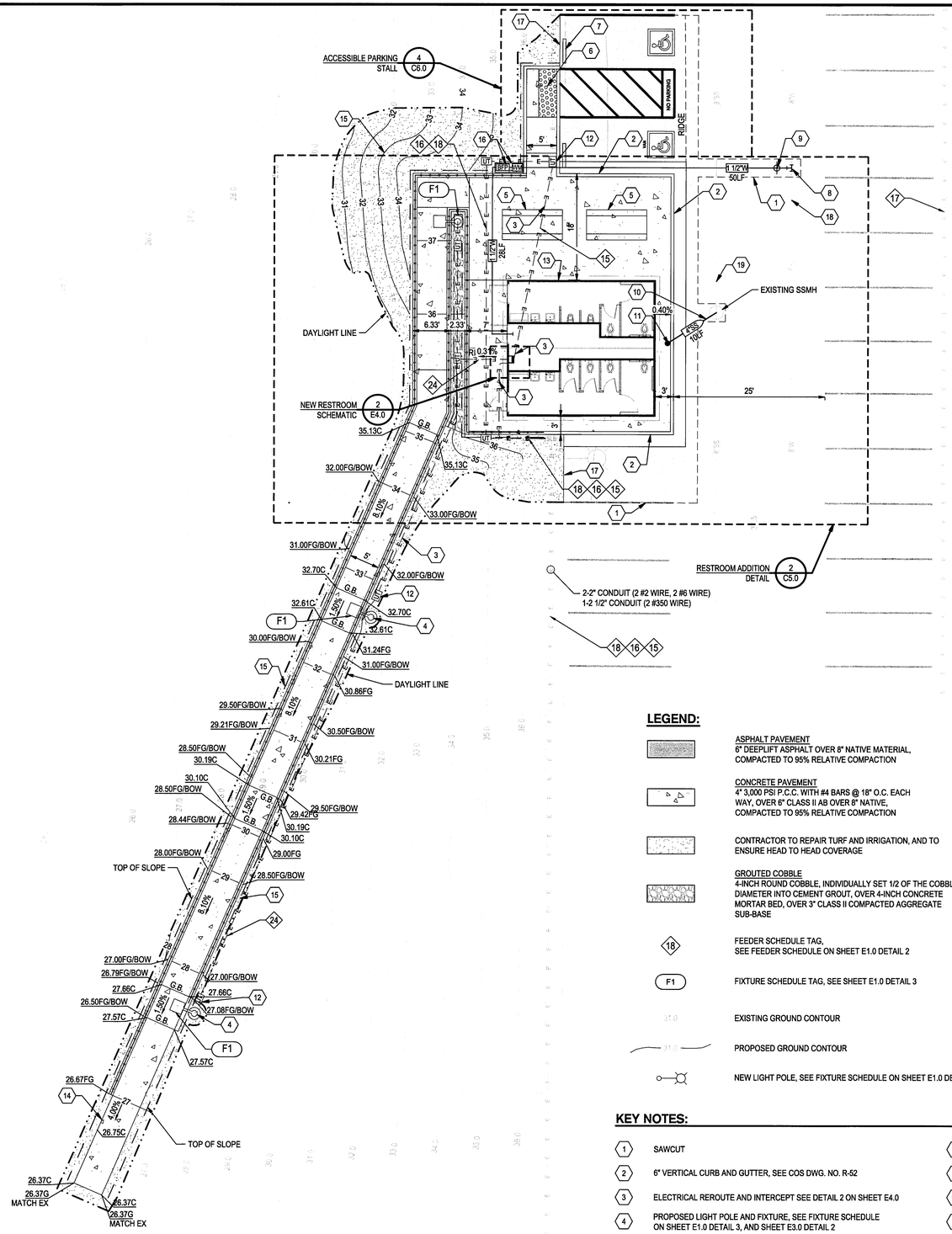
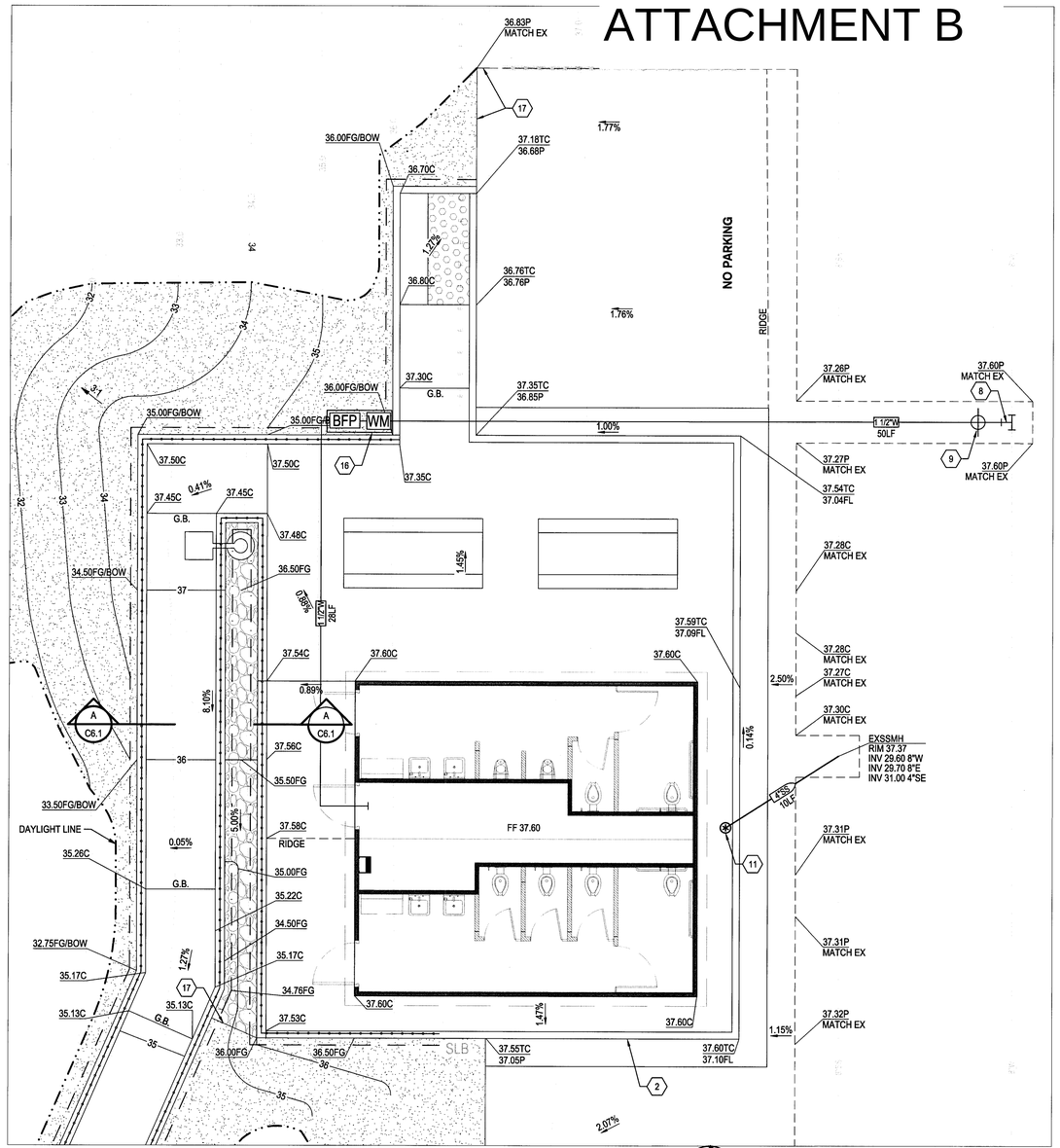
ATTACHMENT B





LEGEND:

- ASPHALT PAVEMENT — 6" DEEPLIFT ASPHALT OVER 8" NATIVE MATERIAL, COMPACTED TO 95% RELATIVE COMPACTION
- CONCRETE PAVEMENT — 4" 3,000 PSI P.C.C. WITH #4 BARS @ 18" O.C. EACH WAY, OVER 6" CLASS II AB OVER 8" NATIVE, COMPACTED TO 95% RELATIVE COMPACTION
- CONTRACTOR TO REPAIR TURF AND IRRIGATION, AND TO ENSURE HEAD TO HEAD COVERAGE
- GROUTED COBBLE — 4-INCH ROUND COBBLE, INDIVIDUALLY SET 1/2 OF THE COBBLE DIAMETER INTO CEMENT GROUT, OVER 4-INCH CONCRETE MORTAR BED, OVER 3" CLASS II COMPACTED AGGREGATE SUB-BASE
- (18) FEEDER SCHEDULE TAG, SEE FEEDER SCHEDULE ON SHEET E1.0 DETAIL 2
- (F1) FIXTURE SCHEDULE TAG, SEE SHEET E1.0 DETAIL 3
- EXISTING GROUND CONTOUR
- PROPOSED GROUND CONTOUR
- NEW LIGHT POLE, SEE FIXTURE SCHEDULE ON SHEET E1.0 DETAIL 2

KEY NOTES:

1. SAWCUT
2. 6" VERTICAL CURB AND GUTTER, SEE COS DWG. NO. R-52
3. ELECTRICAL REROUTE AND INTERCEPT SEE DETAIL 2 ON SHEET E4.0
4. PROPOSED LIGHT POLE AND FIXTURE, SEE FIXTURE SCHEDULE ON SHEET E1.0 DETAIL 3, AND SHEET E3.0 DETAIL 2
5. INSTALL IN GROUND TABLE, SEE C6.1 DETAIL 2
6. TRUNCATED DOMES, SEE SHEET C6.0 DETAIL 7
7. CURB STOP, SEE SHEET C6.0 DETAIL 8
8. 1 1/2" WATER SERVICE, SEE COS DWG. NO. W-3.
9. CORPORATION STOP, SEE COS DWG. NO. W-4
10. 4" SANITARY SEWER LINE
11. SANITARY SEWER CLEANOUT, SEE COS DWG. NO. S-18
12. ELECTRICAL PULL BOX, SEE SHEET E3.0 DETAIL 1
13. RESTROOM, SEE SHEET C5.1
14. ACCESSIBLE RAMP, SEE SHEET C6.1 DETAIL 1
15. ANY EXISTING TURF DISTURBED BY CONSTRUCTION SHALL BE EVENLY GRADED, ROLLED, AND REPLACED WITH SOD. IRRIGATION SHALL BE MODIFIED AS NECESSARY
16. 1 1/2" BACKFLOW PREVENTER AND 1 1/2" WATER METER, WITH PROTECTIVE ENCLOSURE REQUIRED WITH LOCKING MECHANISM AND HINGES, SEE COS DWG. W-8
17. REDWOOD HEADER, SEE SHEET C6.0 DETAIL 3
18. CONTRACTOR TO VERIFY EXISTING WATER UTILITY LINE PRIOR TO CONSTRUCTION OF PROPOSED UTILITY
19. CONTRACTOR TO VERIFY EXISTING SANITARY SEWER LINE PRIOR TO CONSTRUCTION OF PROPOSED UTILITY

1 **RESTROOM ADDITION**
SCALE: 1" = 10'

0' 5' 10' 20'
SCALE: 1"=10'

2 **NORTH RESTROOM DETAIL**
SCALE: 1" = 5'

0' 2.5' 5' 10'
SCALE: 1"=5'

GENERAL IRRIGATION NOTES

1. CONTRACTOR SHALL NOT INTERRUPT PARK IRRIGATION FOR ANY LONGER THAN 5 CALENDAR DAYS MAXIMUM.
2. TEMPORARY WATER SERVICE CONNECTION TO PARK SHALL BE PROVIDED BY CONTRACTOR FOR ANY ANTICIPATED INTERRUPTION IN POTABLE WATER SERVICE LONGER THAN 5 CALENDAR DAYS.
3. CONTRACTOR SHALL FIELD VERIFY LOCATION OF ALL EXISTING IRRIGATION EQUIPMENT AND SHUT OFF VALVES PRIOR TO CONSTRUCTION.

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

REGISTERED PROFESSIONAL ENGINEER — PAUL J. SCHNEIDER — No. 62498 — Exp. 09/30/21 — CIVIL — STATE OF CALIFORNIA

DATE SIGNED: 06/08/21

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Revision No.	Description	Date	By	Apprvd. By

STOCKTON SOCCER COMPLEX UPGRADES

RESTROOM ADDITION SITE PLAN

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY:	SHEET NO. C5.0
DESIGNED BY	PJS/MJK	DATE	OF 51 SHEETS
DRAWN BY	RRG		PW1510
CHECKED BY	PJS	CITY ENGINEER	PROJECT NO.
RECORD DWGS.		STOCKTON, CALIFORNIA	

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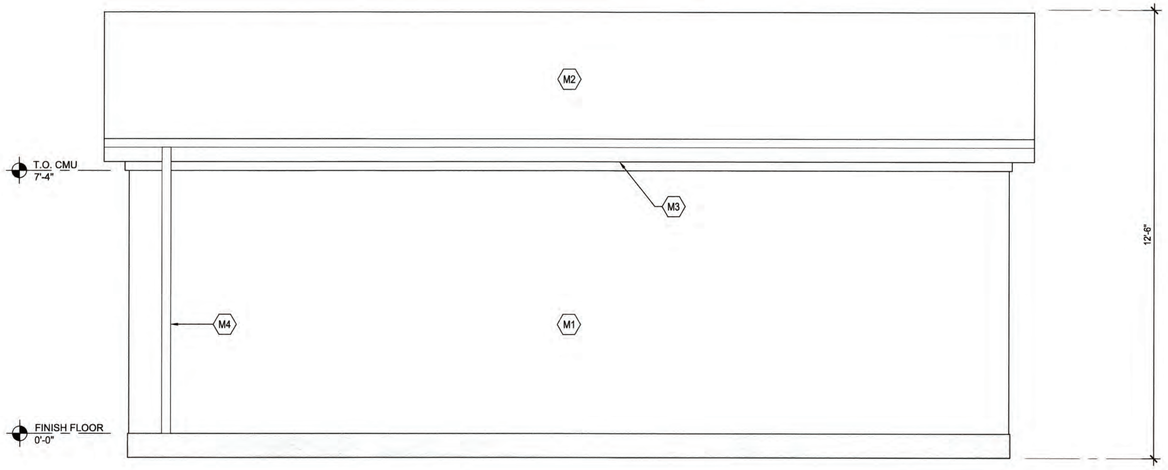
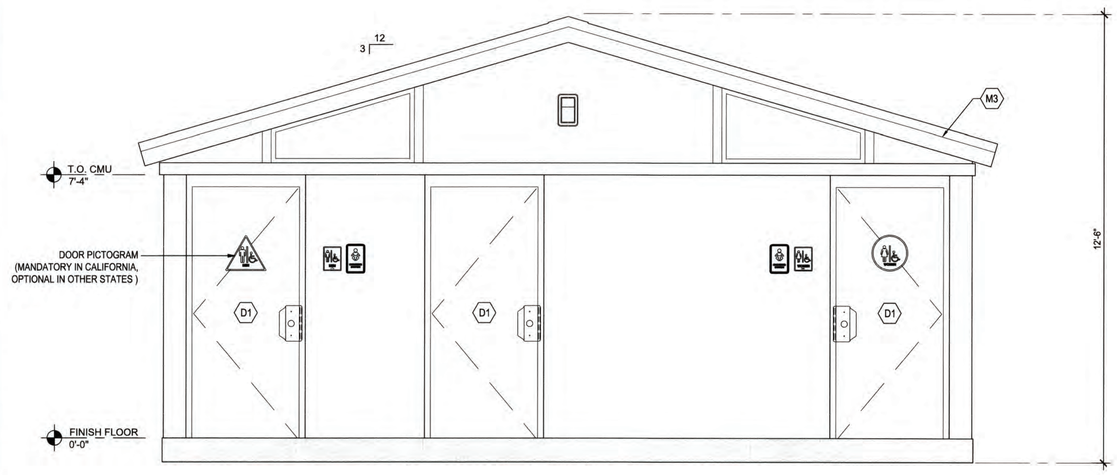
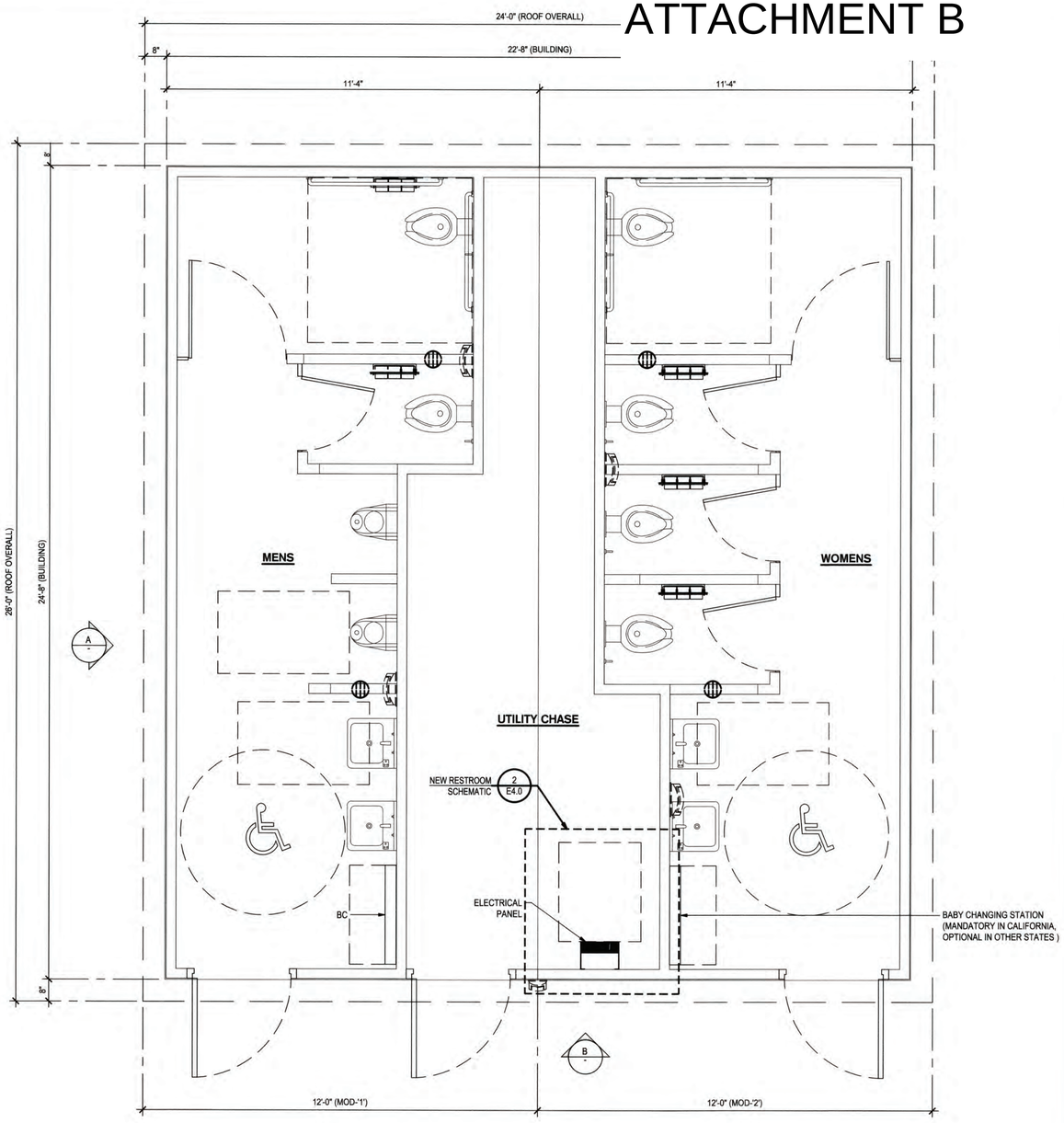
ATTACHMENT B



A ELEVATION A
SCALE*: 1/2" = 1'-0"



B ELEVATION B
SCALE*: 1/2" = 1'-0"



RESTROOM FLOOR PLAN
SCALE*: 1/2" = 1'-0"

NOTE:
ALL FIXTURES TO BE STAINLESS STEEL

MATERIAL FINISH SCHEDULE

METAL BUILDING					DOORS – EXTERIOR FACE				COMMENTS
DESIGNATION	MATERIAL	FINISH	COLOR	APPLICATION	DESIGNATION	FINISH	COLOR	APPLICATION	
M1	CMU WALL	SPLIT FACE BLOCK	M-1	---	D1	PAINT	P-2	FACTORY	
M2	RIBBED ROOF PANELS	PAINT	P-2	FACTORY					
M3	METAL GUTTERS & FASCIAS	PAINT	P-1	FACTORY					
M4	METAL DOWNSPOUTS	PAINT	P-1	FACTORY					

COLOR LIST

P-1	VARCO PRUDEN EGYPTIAN WHITE OR APPROVED EQUAL	M-1	BASALITE MEDIUM WT. COLOR #457 OR APPROVED EQUAL
P-2	VARCO PRUDEN COLONIAL RED OR APPROVED EQUAL		

REGISTERED PROFESSIONAL ENGINEER
ANDREW J. SCHNEIDER
No. 62498
Exp. 09/30/21
CIVIL
STATE OF CALIFORNIA

DATE SIGNED: 06/08/21

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Revision No.	Description	Date	By	Apprvd. By

STOCKTON SOCCER COMPLEX UPGRADES

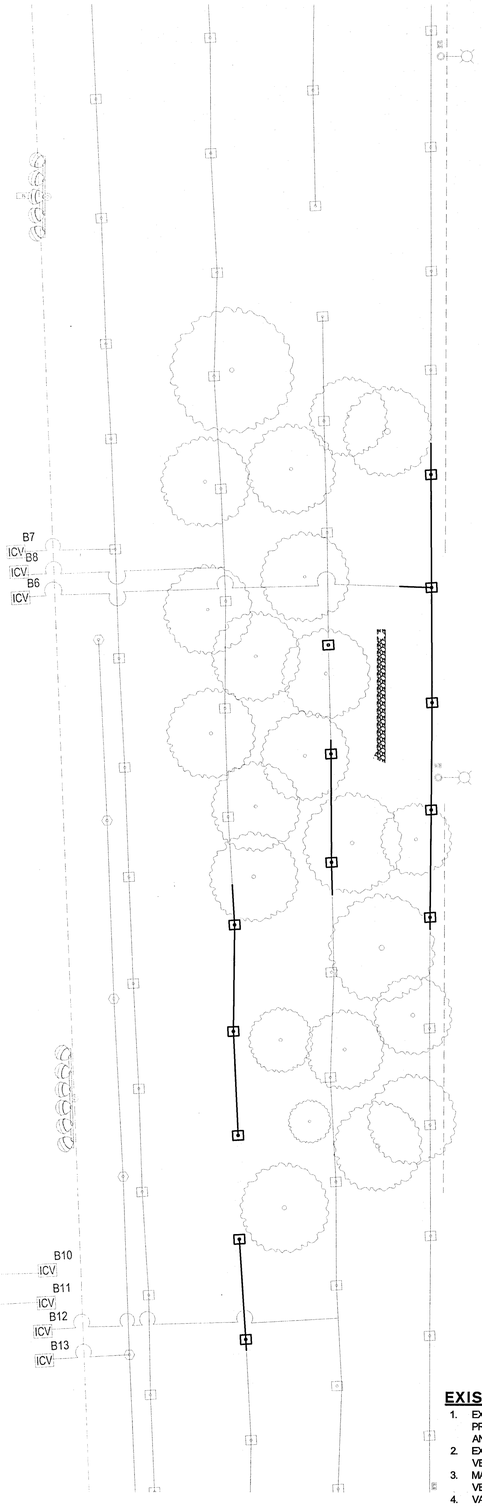
RESTROOM FLOOR PLAN AND ELEVATIONS

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY:	SHEET NO. C5.1
DESIGNED BY	PJS/MJK	DATE	OF 51 SHEETS
DRAWN BY	RRG	CITY ENGINEER	PW1510
CHECKED BY	PJS	STOCKTON, CALIFORNIA	PROJECT NO.
RECORD DWGS.			

5439.66

IRR ATTACHMENT B

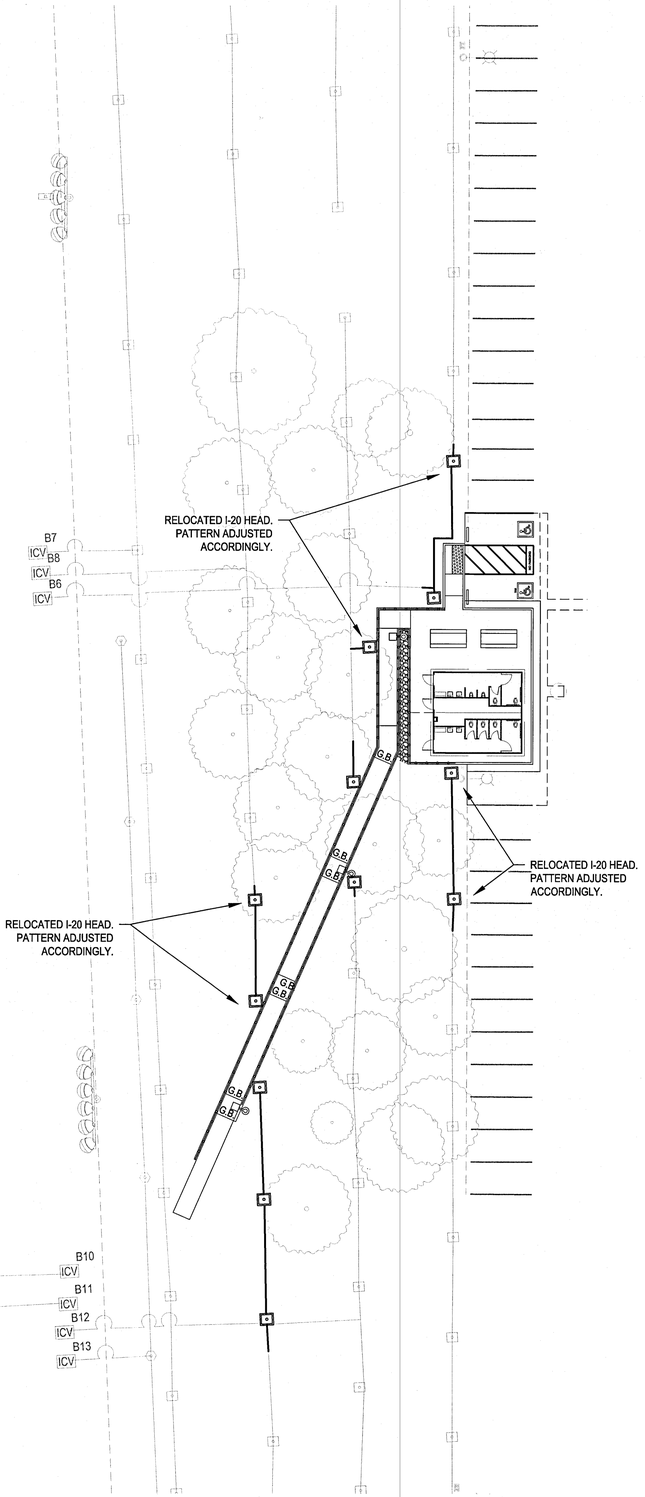


EXISTING IRRIGATION NOTES

1. EXISTING IRRIGATION LAYOUT BASED PLANS PROVIDED FROM CLIENT AND ARE SCHEMATIC AND FOR REFERENCE ONLY.
2. EXISTING HEAD LAYOUT MUST BE FIELD VERIFIED PRIOR TO CONSTRUCTION.
3. MAINLINE AND LATERAL LAYOUT IS TO BE FIELD VERIFIED BY CONTRACTOR.
4. VALVE NUMBERING AND ASSOCIATION TO CONTROLLER TO BE VERIFIED BY CONTRACTOR.

RESTROOM ADDITION - IRRIGATION DEMOLITION

SCALE: 1" = 20'



RESTROOM ADDITION - IRRIGATION PROPOSED

SCALE: 1" = 20'

Existing irrigation heads to remain

- Hunter I-40 Large Area Lawn
- Hunter I-20 Medium Area Lawn
- Rainbird 1401 Tree Bubbler (2 per symbol)
- Rainbird 1812 Shrub Pop-up

Existing Lateral Line to remain

Existing Main Line to remain

Existing Gate valve to remain

ICV C5 — Irrigation valve to be removed

Irrigation nozzle to be removed

Existing Lateral Line to be removed

Main Line to be removed

Gate Valves to be removed

QC — Quick Coupling valve to be removed

IRRIGATION PROPOSED LEGEND

ICV C5 — Relocated Irrigation Valve

Relocated Irrigation heads

- Hunter I-40 Large Area Lawn
- Hunter I-20 Medium Area Lawn
- Rainbird 1401 Tree Bubbler (2 per symbol)
- Rainbird 1812 Shrub Pop-up

New Lateral Line

New Main Line

IRRIGATION EQUIPMENT AND PIPING IS DIAGRAMMATIC FOR GRAPHICAL CLARITY.

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

LICENSED LANDSCAPE ARCHITECT
ROBERT J. NORBUTAS
No. 6505
Signature
Exp. 11/30/22
STATE OF CALIFORNIA

DATE SIGNED: 06/08/21

0' 10' 20' 40'

SCALE: 1"=20'

Know what's below. Call before you dig.

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Revision No.	Description	Date	By	Apprvd. By

STOCKTON SOCCER COMPLEX UPGRADES

RESTROOM IRRIGATION PLAN

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY:	SHEET NO.
DESIGNED BY	PJS/MJK	DATE	C5.2
DRAWN BY	RRG		OF 51 SHEETS
CHECKED BY	PJS	CITY ENGINEER	PW1510
RECORD DWGS.		STOCKTON, CALIFORNIA	PROJECT NO.

5439.7C

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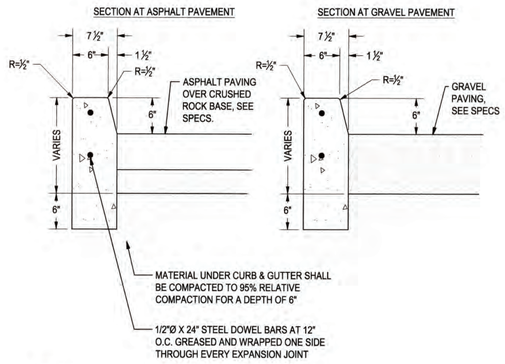
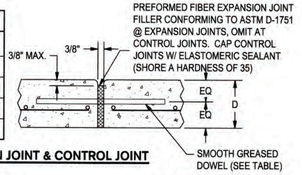
ATTACHMENT B



NOTES:
1. PROVIDE TRANSVERSE SCORE JOINTS AT 10' O.C. MAX: ALIGN WITH ADJACENT SCORES.
2. ROUND EXPOSED ENDS WITH A 6" RADIUS.

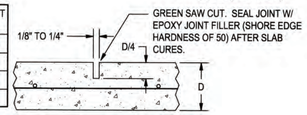
1 6" VERTICAL CURB
NO SCALE

DOWEL SIZE & SPACING			
SLAB DEPTH	DIAMETER	LENGTH	SPACING
4"	5/8"	12"	24" O.C.
6"	3/4"	18"	18" O.C.
8"	1"	24"	18" O.C.
10"	1"	24"	12" O.C.



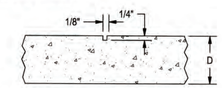
EXPANSION JOINT & CONTROL JOINT

SLAB THICKNESS	WPJ SPACING (EACH WAY)	CONTROL JOINT SPACING
4"	8' O.C. MAX.	32' O.C. MAX.
6"	12' O.C. MAX.	36' O.C. MAX.
8"	16' O.C. MAX.	40' O.C. MAX.
10"	N/A	40' O.C. MAX.



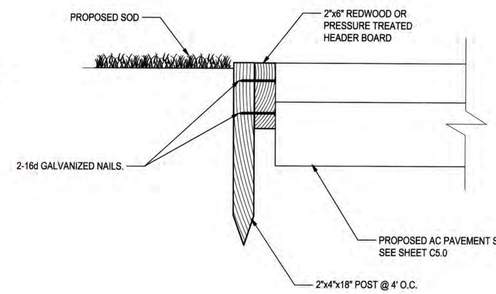
WEAKENED PLANE JOINT

NOTE:
SCORE JOINT SPACING SHALL BE PLACED 5'-0" O.C. UNLESS OTHERWISE NOTED ON PLANS

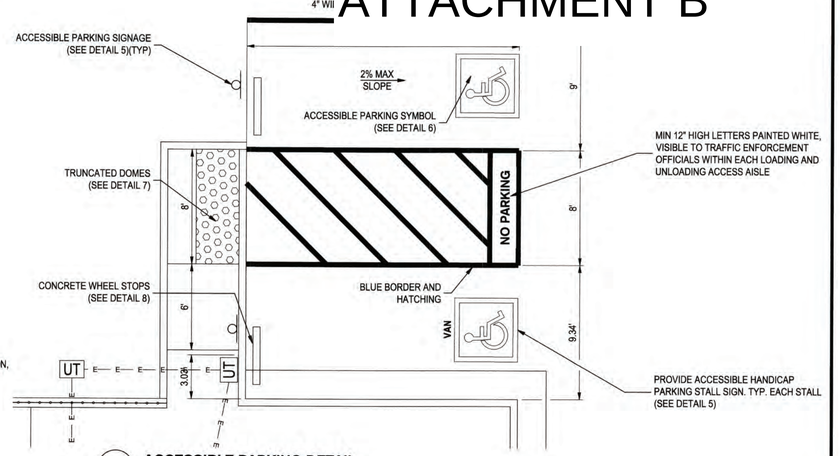


SCORE LINE

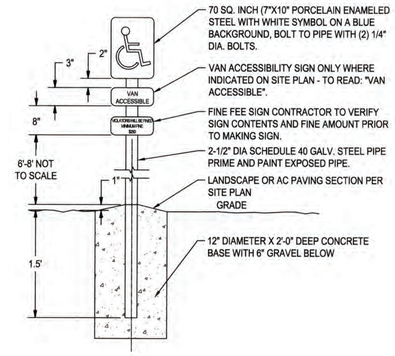
3 TYPICAL CONCRETE JOINT DETAILS
NO SCALE



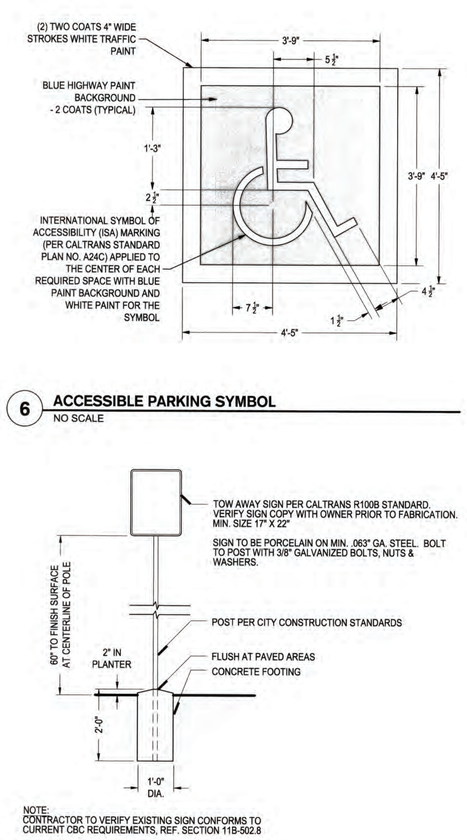
3 REDWOOD HEADER DETAIL
NO SCALE



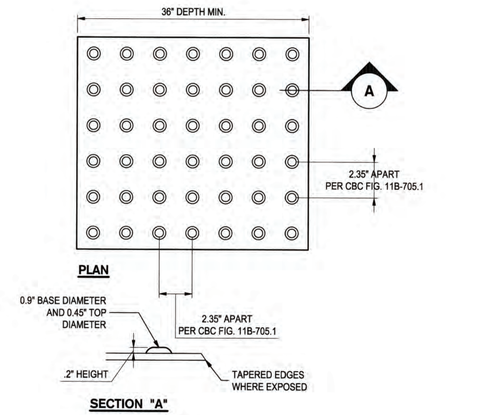
4 ACCESSIBLE PARKING DETAIL
NO SCALE



5 ACCESSIBLE PARKING SIGNAGE
NO SCALE

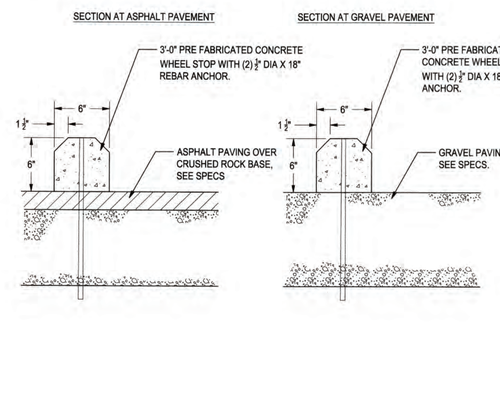


6 ACCESSIBLE PARKING SYMBOL
NO SCALE



SECTION "A"

7 TRUNCATED DOMES
NO SCALE

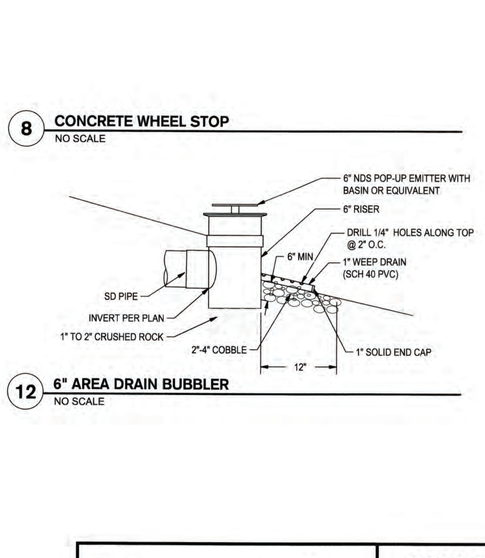


8 CONCRETE WHEEL STOP
NO SCALE

NOTE:
CONTRACTOR TO VERIFY EXISTING SIGN CONFORMS TO CURRENT CBC REQUIREMENTS, REF. SECTION 11B-502.8

10 TOW AWAY SIGN
1/2"=1'-0" SECTION/ELEVATION

11 STEEL BOLLARD
NO SCALE



12 6" AREA DRAIN BUBBLER
NO SCALE

9 12" CONCRETE CURB FOR FIBAR PLAYGROUND AND PLAY BORDER
NO SCALE

811
Know what's **below.**
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REGISTERED PROFESSIONAL ENGINEER
PAUL J. SCHNEIDER
No. 62498
Exp. 09/30/21
CIVIL
STATE OF CALIFORNIA

DATE SIGNED: 06/08/21

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LANDSCAPE ARCHITECTURE
LAND SURVEYING
3428 Brookside Road Stockton, California 95219
209-943-3021 www.siegfriedeng.com Fx: 209-942-0214

Revision No.	Description	Date	By	Apprvd. By

STOCKTON SOCCER COMPLEX UPGRADES

DETAILS

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY:	SHEET NO.
DESIGNED BY	PJS/MJK	DATE	C6.0
DRAWN BY	RRG		OF 51 SHEETS
CHECKED BY	PJS	CITY ENGINEER	PW1510
RECORD DWGS.		STOCKTON, CALIFORNIA	PROJECT NO.

5439.86

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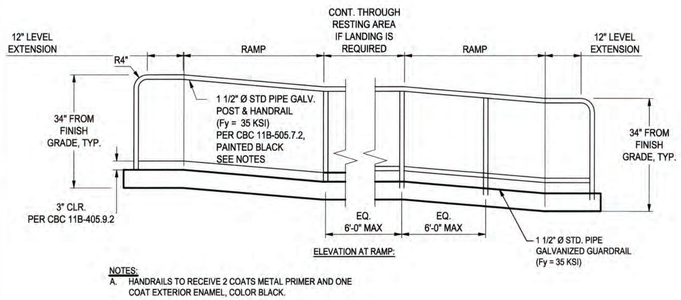
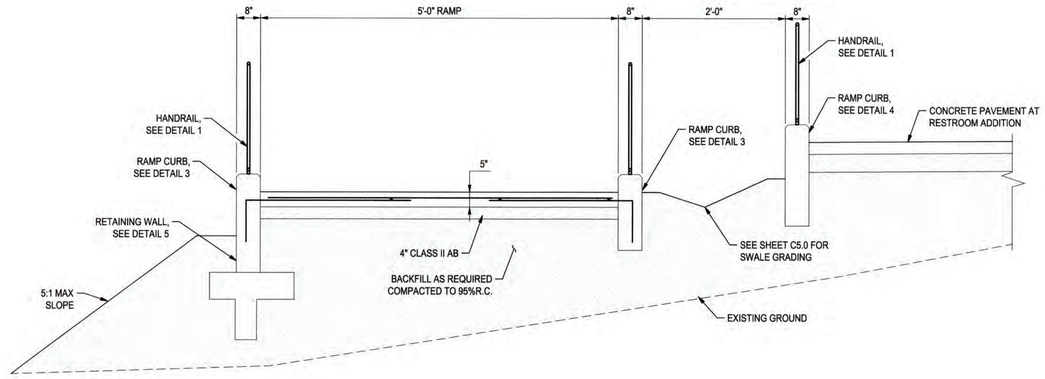
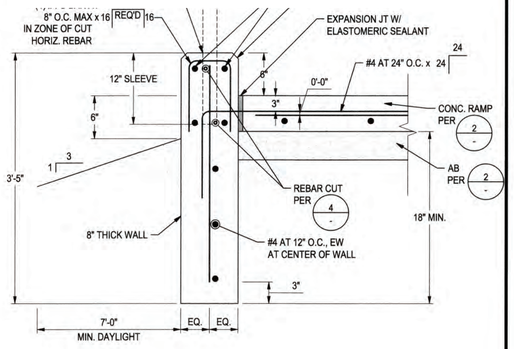
ATTACHMENT B

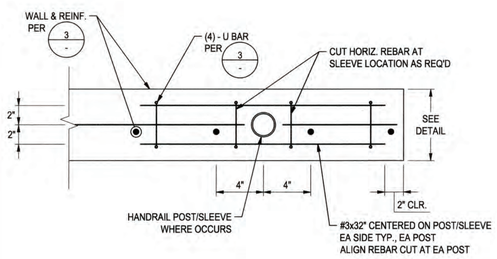


NOTES:
A. HANDRAILS TO RECEIVE 2 COATS METAL PRIMER AND ONE COAT EXTERIOR ENAMEL, COLOR BLACK.

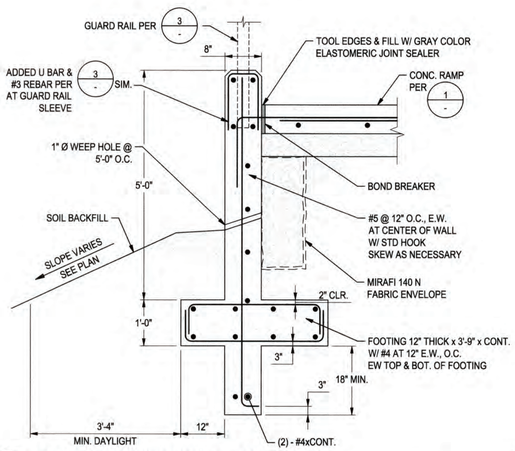




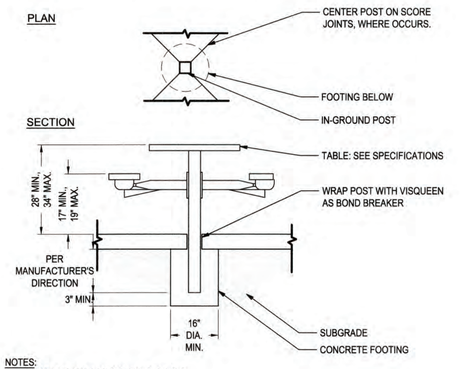
1 RAMP
NOT TO SCALE



2 SECTION A-A
NOT TO SCALE

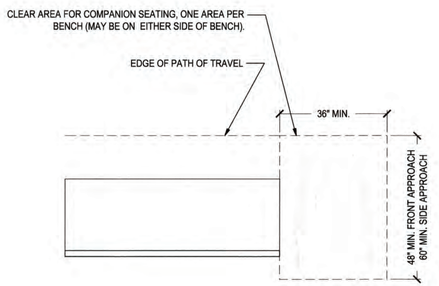


3 RAMP CURB DETAIL
NOT TO SCALE

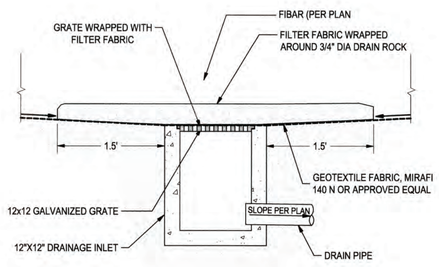


NOTES:
A. COMPLY WITH CBC 11B-226, 11B-306.1, 11B-901.3 AND 11B-902.
B. REFER TO LAYOUT PLAN FOR ORIENTATION OF ACCESSIBLE SPACE.
C. REFER TO TABLE CLEARANCE REQUIREMENTS DETAIL, THIS SHEET.

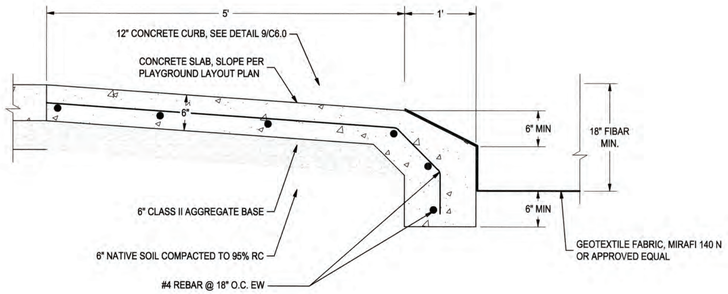
4 HAND/ GUARD RAIL REINFORCING
NOT TO SCALE



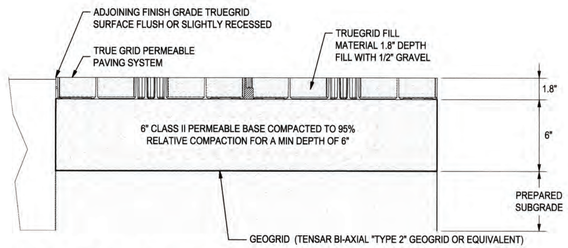
5 0' TO 5' RETAINING WALL DETAIL
NOT TO SCALE



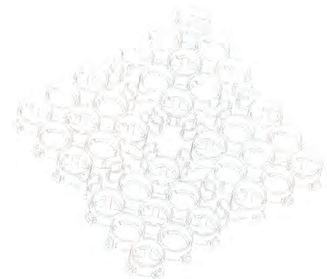
6 PLAY AREA RAMP
NOT TO SCALE



NOTES:
1. SUB-BASE DEPTH AND PREPARATION IS DEPENDENT ON SITE CONDITIONS PLUS LOADING REQUIREMENTS.
2. TRUEGRID PRO PLUS PRODUCTS DESIGNED FOR LOAD CAPACITIES OF 120,000 LBS PER SQ. FT. TRUEGRID PRODUCTS STRENGTHEN WITH FILL MATERIAL.
3. TRUEGRID PRO PLUS PRODUCTS ARE SUFFICIENTLY RATED FOR H-20 /HS-20 LOADING AND GREATER.
4. GEOGRID MESH OR GEOFABRIC MAY BE REQUIRED BETWEEN SUB-GRADE & SUB-BASE FOR CERTAIN SOILS AND SITE SPECIFIC REQUIREMENTS.
5. INCREASE SUB-BASE DEPTH FOR INCREASED STORM WATER DETENTION.
6. NO STAKING NECESSARY WITH TRUEGRID PRO PLUS WHEN SLOPE IS BELOW 10 DEGREES. ASSESS PROJECT, AS NEEDED.
7. FINAL ENGINEERED CROSS SECTION AGGREGATES AND DEPTH SHOULD ALLOW FOR EXPECTED INFILTRATION RATES, STORAGE CAPACITIES, OUTLET FLOW RATES, AND OTHER SITE SPECIFIC CONDITIONS AND LOAD REQUIREMENTS.
8. THIS CROSS SECTION IS FOR INFORMATION ONLY.



7 IN GROUND TABLE
1/2" = 1'-0" SECTION



TRUEGRID BLOCK REFERENCE VIEW

PREASSEMBLED & DELIVERED IN 4' X 4' SHEET. RECONFIGURED AS NEEDED.NO EXTRA TOOLING OR ACCESSORIES REQUIRED

8 COMPANION SEATING
NOT TO SCALE

9 12" DRAINAGE INLET @ PLAY AREA
NOT TO SCALE

10 CELLULAR CONFINED PAVEMENT - 1.8" TRUEGRID
NOT TO SCALE

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

REGISTERED PROFESSIONAL ENGINEER PAUL J. SCHNEIDER No. 62498 Exp. 09/30/21 CIVIL STATE OF CALIFORNIA

DATE SIGNED: 06/08/21

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209-943-2021 www.siegfriedeng.com Fx: 209-942-0214

Revision No.	Description	Date	By	Apprvd. By

STOCKTON SOCCER COMPLEX UPGRADES

DETAILS

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY:	SHEET NO.
DESIGNED BY	PJS/MJK	DATE	C6.1
DRAWN BY	RRG		OF 51 SHEETS
CHECKED BY	PJS	CITY ENGINEER	PW1510
RECORD DWGS.		STOCKTON, CALIFORNIA	PROJECT NO.

5439.96

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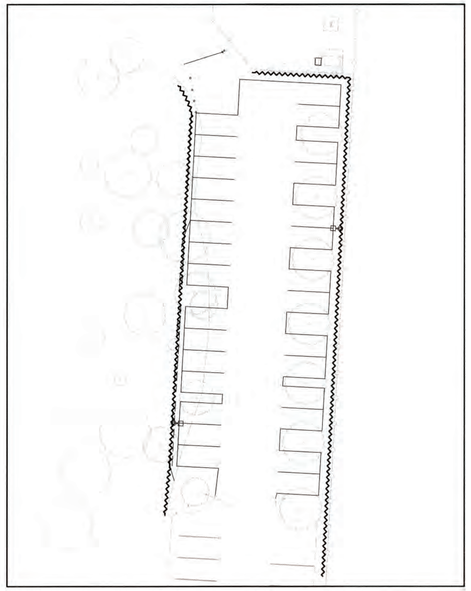
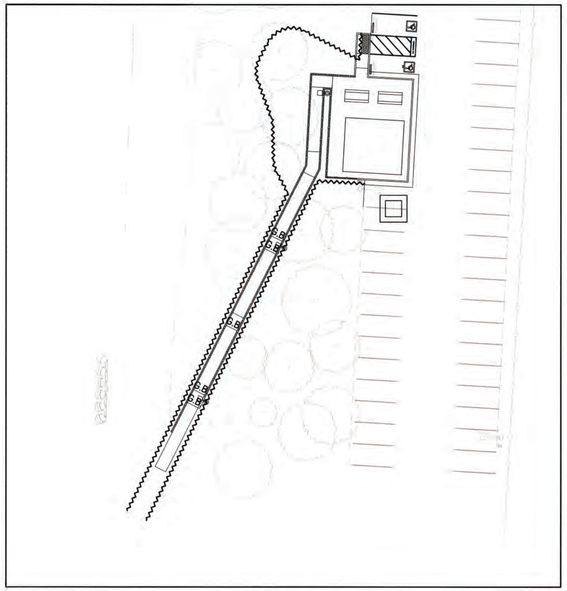
ATTACHMENT B

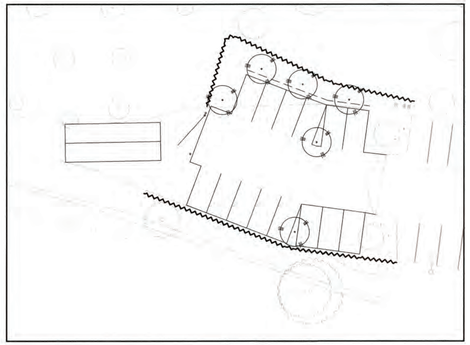
60'
SCALE: 1"=30'



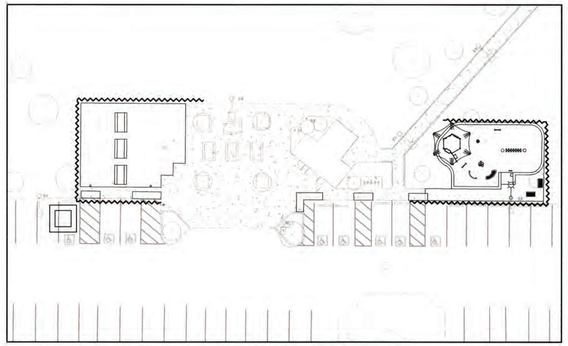
A NORTH PARKING EROSION CONTROL PLAN
SCALE: 1" = 30'



B RESTROOM EROSION CONTROL PLAN
SCALE: 1" = 30'



C EAST PARKING EROSION CONTROL PLAN
SCALE: 1" = 30'



D PLAYGROUND & VAULT RESTROOM EROSION CONTROL PLAN
SCALE: 1" = 30'

EROSION CONTROL GENERAL NOTES

1. PLANS ARE DIAGRAMMATIC AND ARE NOT INTENDED TO SHOW ALL OFFSETS. THE SITE IS DYNAMIC AND CHANGES ON A DAILY BASIS, CHANGES SHOULD BE MADE ACCORDING TO EXISTING CONDITIONS. BECAUSE IT IS IMPOSSIBLE TO PREDICT ALL POSSIBLE SITUATIONS, CONTRACTOR SHALL USE BEST MANAGEMENT PRACTICES TO ENSURE QUALITY CONTROL.
2. THE CONTRACTOR SHALL REVIEW THE CURRENT STORM WATER POLLUTION PREVENTION PLAN (SWPPP). IT IS THE CONTRACTORS SOLE RESPONSIBILITY FOR CONDUCTING HIS/HER OPERATIONS IN ADHERENCE TO THE SWPPP. THE CONTRACTOR IS RESPONSIBLE FOR ANY FINES, DELAYS, AND/OR DAMAGES RESULTING FROM ANY STATE WATER QUALITY CONTROL BOARD SANCTIONS CAUSED BY THE OPERATION OF THE CONTRACTOR OF HIS/HER SUBCONTRACTORS.
3. THE FOLLOWING PLANS ARE ACCURATE FOR EROSION CONTROL PURPOSES ONLY. THE CONTRACTOR SHALL FOLLOW THESE PLANS UNLESS FIELD CONDITIONS DICTATE MODIFICATION. IF MODIFICATION IS NECESSARY, A SWPPP AMENDMENT MUST BE DONE. THIS MAY REQUIRE MODIFICATION TO THESE DRAWINGS AND ENGINEER CONCURRENCE.
4. INSPECT AND REPAIR FILTERS AFTER EACH STORM EVENT. REMOVE SEDIMENT WHEN 1/2 OF THE FILTER DEPTH HAS BEEN FILLED. REMOVED SEDIMENT SHALL BE DEPOSITED IN AN AREA TRIBUTARY TO A SEDIMENT BASIN OR OTHER FILTERING MEASURE. SEDIMENT AND GRAVEL SHALL BE IMMEDIATELY REMOVED FROM PAVEMENT OF ROAD.
5. UNFINISHED AND DISTURBED ARE TO BE PROTECTED WITH AN APPLICATION OF BLOWN STRAW AND ORGANIC BINDER.

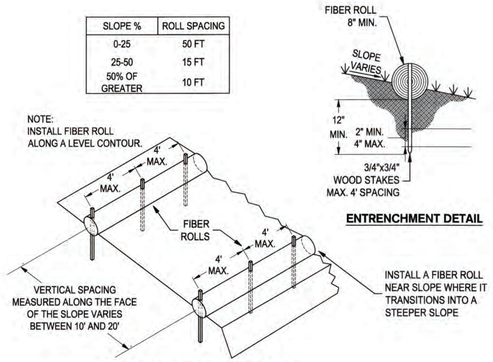
ITEM	LB/ACRE
STRAW	4,000
ORGANIC BINDER	200

6. ALTERNATE INLET PROTECTION SHALL BE USED ON ROADS OPEN TO THE PUBLIC IF ANY HAZARDOUS MATERIALS OR WASTES WHICH HAVE BEEN TREATED, STORED, DISPOSED, SPILLED, OR LEAKED IN SIGNIFICANT QUANTITIES ONTO THE CONSTRUCTION SITE, THE CONTRACTOR SHALL BE RESPONSIBLE TO REMOVE THEM FROM THE SITE AND DISPOSE OF PROPERLY.
7. CHLORINATED OR DECHLORINATED WATER SHALL NOT BE DISCHARGED INTO THE STORM DRAIN SYSTEM. THE CONTRACTOR MAY DISPOSE THIS WATER INTO THE SANITARY SEWER SYSTEM UPON APPROVAL BY THE GOVERNING AGENCY.
8. THE CONTRACTOR SHALL KEEP MAINTENANCE, INSPECTION, AND REPAIR PROCEDURES TO ENSURE THAT ALL GRADED SURFACES, WALLS, BERMS, DRAINAGE STRUCTURES, VEGETATION, EROSION AND SEDIMENT CONTROL MEASURES, AND OTHER CONTROLS ARE MAINTAINED IN GOOD AND EFFECTIVE CONDITION AND ARE PROMPTLY REPAIRED OR RESTORED WHEN NECESSARY. ANY DEWATERING WATER SHALL NOT BE DISCHARGED DIRECTLY INTO THE STORM WATER SYSTEM, AND SHALL NOT BE DISCHARGED INTO THE SEWER SYSTEM.
9. ALL DEWATERING WATER MUST BE CHANNELED THROUGH AN APPROVED SEDIMENT BARRIER PRIOR TO THE WATER ENTERING THE STORM SYSTEM.
10. PAVEMENT CLEANING- FLUSHING OF STREETS/ PARKING LOTS TO REMOVE DIRT AND CONSTRUCTION DEBRIS IS PROHIBITED UNLESS PROPER SEDIMENT CONTROLS ARE USED. PREFERABLY, AREAS REQUIRING CLEANING SHOULD BE SWEPT.
11. ALL STOCKPILES OF MATERIALS THAT ARE NOT GOING TO BE USED FOR 14 DAYS SHALL BE COVERED.
12. CONTRACTOR TO USE BEST MANAGEMENT PRACTICES (BMPs) THROUGHOUT CONSTRUCTION. USE ALL BMPs THAT APPLY TO THE PROJECT, INCLUDING BUT NOT LIMITED TO THE FOLLOWING BMPs:
    A. DRAIN INLET PROTECTION - CALIFORNIA STORMWATER BMP HANDBOOK SECTION SE-10
    B. SOLID WASTE MANAGEMENT - CALIFORNIA STORMWATER BMP HANDBOOK SECTION WM-5
    C. MATERIAL STORAGE - CALIFORNIA STORMWATER BMP HANDBOOK SECTION WM-1
    D. PAVING - CALIFORNIA STORMWATER BMP HANDBOOK SECTION NS-3
    E. DUST CONTROL, SEDIMENT CONTROL, EROSION CONTROL AND CONCRETE WASHOUT AREAS - SHOWN ON THIS SHEET WITH DETAILS
13. CONTRACTOR SHALL INSTALL DRAIN INLET PROTECTION FOR ALL CATCH BASINS LOCATED IN THE VICINITY OF WORK. THIS INCLUDES ANY CATCH BASINS LOCATED IN THE PUBLIC RIGHT-OF-WAY, AS WELL AS ANY ON-SITE CATCH BASINS LOCATED IN THE PARKING LOT.
14. CONTRACTOR SHALL ENSURE THAT CONSTRUCTION ACTIVITIES DO NOT DEPOSIT SEDIMENT ONTO THE PARKING LOT OR PUBLIC ROADWAY, SIDEWALK, AND GUTTERS.
15. CONTRACTOR SHALL USE STREET SWEEPING OR OTHER DRY-SWEEPING METHOD, AS NECESSARY, TO REMOVE CONSTRICTION-RELATED SEDIMENTS FROM PAVEMENT IN PROJECT AREA PARKING LOT AND PUBLIC SIDEWALKS, GUTTERS, AND ROADWAY.
16. CONTRACTOR SHALL SCHEDULE WORK FOR DRY-WEATHER DAYS WHEN NO RAIN IS IN THE IMMEDIATE FORECAST.

SYMBOL	DESCRIPTION
	FIBER ROLLED WATTLE, SEE DETAIL 1 THIS SHEET
	GRAVEL BAG FILTER AT DROP INLET, SEE DETAIL 2 THIS SHEET
	CONCRETE WASHOUT, CONTRACTOR TO DETERMINE LOCATION, SEE DETAIL 3 THIS SHEET

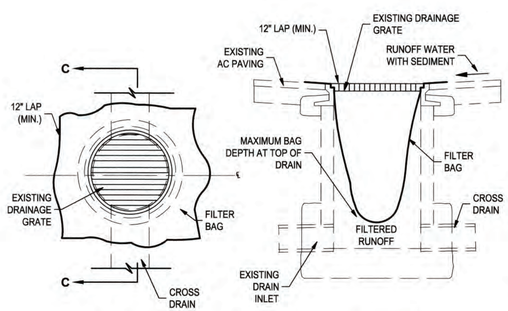
SLOPE %	ROLL SPACING
0-25	50 FT
25-50	15 FT
50% OF GREATER	10 FT

NOTE:
INSTALL FIBER ROLL ALONG A LEVEL CONTOUR.

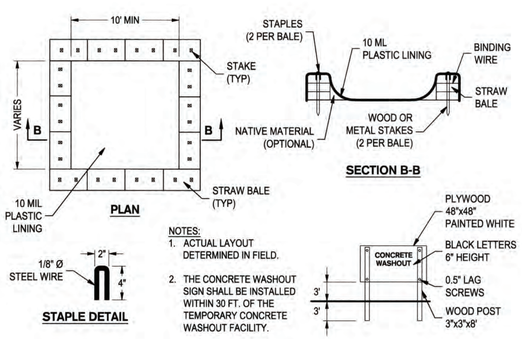


TYPICAL FIBER ROLL INSTALLATION

ENTRENCHMENT DETAIL



PLAN VIEW **SECTION C-C**



PLAN **SECTION B-B**

STAPLE DETAIL

NOTES:
1. ACTUAL LAYOUT DETERMINED IN FIELD.
2. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30 FT. OF THE TEMPORARY CONCRETE WASHOUT FACILITY.

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

1 FIBER ROLLS
SCALE: NTS

2 GRAVEL BAG FILTER AT DROP INLET
SCALE: NTS

3 CONCRETE WASHOUT
SCALE: NTS

REGISTERED PROFESSIONAL ENGINEER PAUL J. SCHNEIDER No. 62498 Exp. 09/30/21 CIVIL STATE OF CALIFORNIA

DATE SIGNED: 06/08/21

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Revision No.	Description	Date	By	Apprvd. By

STOCKTON SOCCER COMPLEX UPGRADES

EROSION CONTROL PLAN

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY:	SHEET NO. C7.0
DESIGNED BY	PJS/MJK	DATE 6/23/21	OF 51 SHEETS
DRAWN BY	RRG	CITY ENGINEER	PW1510 - PROJECT NO.
CHECKED BY	PJS	STOCKTON, CALIFORNIA	
RECORD DWGS.			

5439.102

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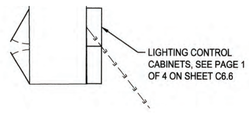
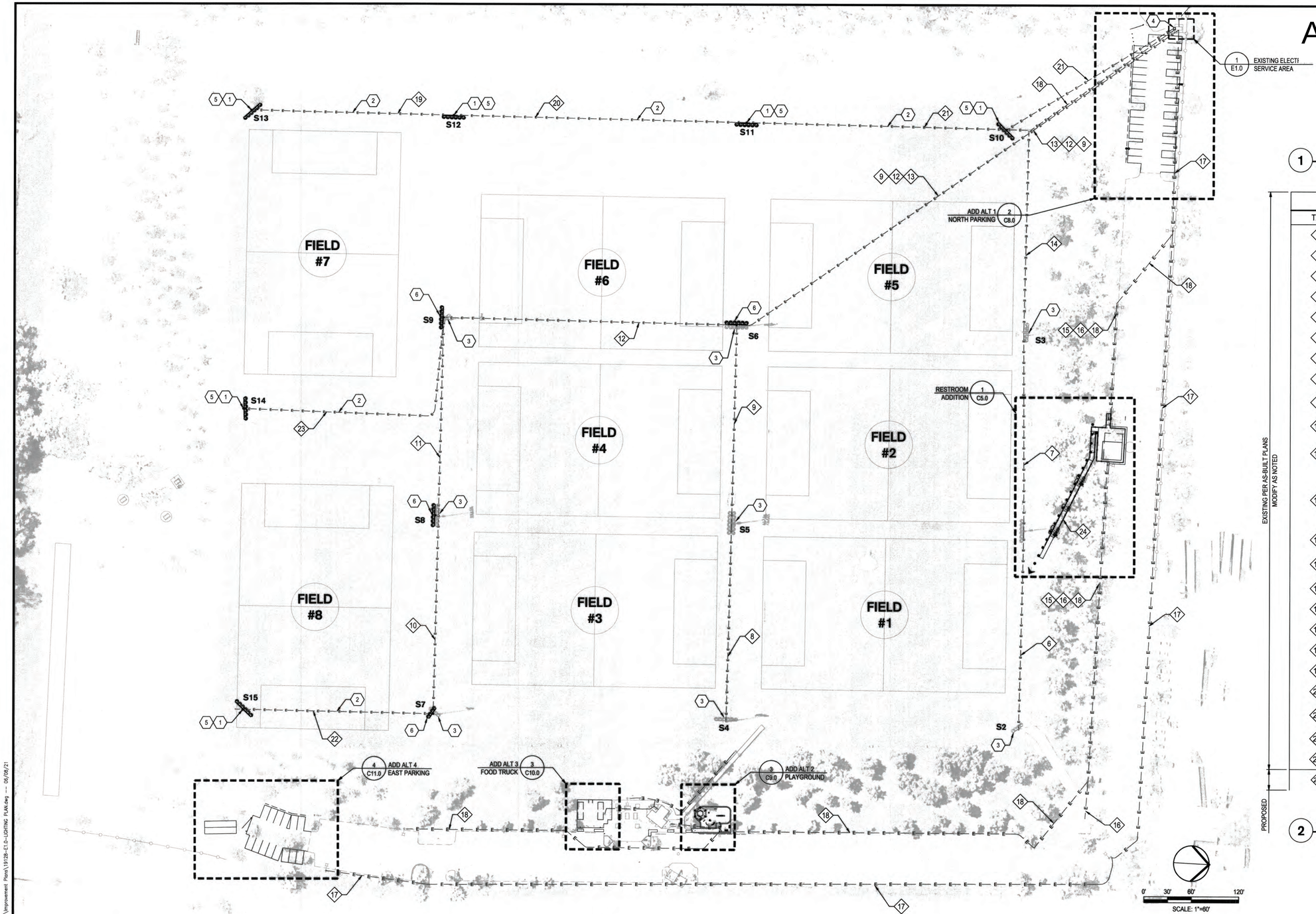
ATTACHMENT B





LIGHTING AND ELECTRICAL PLAN
SCALE: 1" = 60'-0"

FIXTURE SCHEDULE

TYPE	DESCRIPTION
F1	12' POLE MOUNTED AREA LIGHT, 4" SQUARE STEEL BLACK POLE. GARDCO ECF-S-32L-700-NW-G2-AR-2-240-PCB-BK
F2	20' POLE MOUNTED PARKING LIGHT, 4" SQUARE STEEL BLACK POLE. GARDCO-ECF-S-64L-900-NW-G2-AR-3-240-PCB-BK

3 FIXTURE SCHEDULE

LIGHTING KEY NOTES:

1. NEW SPORTS LIGHT POLE
2. INSTALL WIRE IN EXISTING CONDUIT, SEE FEEDER SCHEDULE ON THIS SHEET
3. EXISTING SPORTS FIELD LIGHT
4. EXISTING ELECTRICAL CABINET AND CONCRETE PAD
5. INSTALL NEW CONCRETE PULL BOX AND REMOVE AND DISPOSE EXISTING FIELD BOX
6. MODIFY EXISTING POLE LIGHTS

1 EXISTING ELECTRICAL SERVICE AREA
NOT TO SCALE

FEEDER SCHEDULE

TAG	CIRCUIT DESCRIPTION	CONDUIT	WIRE	GND
1	SECONDARY SERVICE	2-5"		
2	CANAL WATER PUMP (60HP)	2"	3 #2	#6
3	DOMESTIC WATER PUMP (60 HP)	2"	3 #2	#6
4	PANEL "M" (MAINTENANCE BUILDING)		BY OTHERS	
5	PANEL "C" (CONCESSION BUILDING)		BY OTHERS	
6	S1 (FIELD 1)	2"	3 #6	#6
7	S2 (FIELD 1, 2)	2"	6 #6	#6
		2"	3 #6	#6
8	S4 (FIELD 1, 3)	2"	6 #6	#6
9	S5 (FIELD 1, 2, 3, 4)	2"	6 #6	#6
		2"	6 #6	#6
		2"	6 #6	#6
10	S7 (FIELD 3)	2"	3 #6	#6
	S7 (FIELD 8)	2"	6 #6	#6
11	S8 (FIELD 3, 4)	2"	3 #6	#6
		2"	6 #6	#6
	S8 (FIELD 8)	2"		#6
		2"		#6
12	S9 (FIELD 4)	2"	6 #6	#6
	S9 (FIELD 3)	2"	6 #6	#6
	S9 (FIELD 6, 7, 8)	2"	6 #6	#6
		2"	6 #6	#6
		2"	6 #6	#6
		2"	6 #6	#6
		2"	6 #6	#6
13	S6 (FIELD 2, 4)	2"	6 #6	#6
	S6 (FIELD 5, 6)	2"	6 #6	#6
14	S3 (FIELD 2, 1)	2"	6 #6	#6
		2"	6 #6	#6
	S3 (FIELD 5)	2"	6 #6	#6
15	CONCESSION BLDG POWER ZONE P2	2 1/2"	2 #350	
16	MAINTENANCE BLDG POWER ZONE P1	2"	2 #2/0	
17	PARKING LIGHTS CKT 1	2"	2 #6	#6
18	PARKING LIGHTS CKT 2	2	2 #6	#6
19	S13 (FIELD 7)	2"	6 #6	#6
20	S12 (FIELD 7, 6)	2"	6 #6	
		2"	6 #6	#6
21	S11 (FIELD 7, 6, 5)	2"	6 #6	
		2"	6 #6	#6
		2"	6 #6	
22	S15 (FIELD 8)	2"	6 #6	#6
23	S14 (FIELD 8, 7)	2"	6 #6	#6
24	RESTROOM RAMP (FROM RESTROOM PANEL)	2"	2 #6	1 #6

EXISTING PER AS-BUILT PLANS MODIFY AS NOTED

INSTALL WIRE AND PULL WIRE AS NOTED

PROPOSED

2 FEEDER SCHEDULE

REGISTERED PROFESSIONAL ENGINEER PAUL J. SCHNEIDER No. 62498 Exp. 09/30/21 CIVIL STATE OF CALIFORNIA

DATE SIGNED: 06/08/21

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Revision No.	Description	Date	By	Apprvd. By

STOCKTON SOCCER COMPLEX UPGRADES

LIGHTING AND ELECTRICAL PLAN

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED:	SHEET NO.
DESIGNED BY	PJS/MJK	DATE	E1.0
DRAWN BY	RRG		OF 51 SHEETS
CHECKED BY	PJS	CITY ENGINEER	PW1510
RECORD DWGS.		STOCKTON, CALIFORNIA	PROJECT NO.

5439.116

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ATTACHMENT B

Detention Basin Soccer Complex

Stockton, CA

Lighting System

Pole / Fixture Summary

Pole ID	Pole Height	Mtg Height	Fixture Qty	Luminaire Type	Avg Load	Max Load	Circuit
S3	80'	80'	8	Green Generation	12.51 kW	13.60 kW	B
		80'	6	TLC-LED-1200	7.02 kW	7.02 kW	E
S6	80'	80'	8	Green Generation	12.51 kW	13.60 kW	D
		80'	8	Green Generation	12.51 kW	13.60 kW	B
		80'	6	TLC-LED-1200	7.02 kW	7.02 kW	E
		80'	6	TLC-LED-1200	7.02 kW	7.02 kW	F
S7	80'	80'	8	Green Generation	12.51 kW	13.60 kW	C
		80'	5	TLC-LED-1200	5.85 kW	5.85 kW	H
S8	80'	80'	8	Green Generation	12.51 kW	13.60 kW	C
		80'	8	Green Generation	12.51 kW	13.60 kW	D
		80'	8	TLC-LED-1200	9.36 kW	9.36 kW	H
S9	80'	80'	8	Green Generation	12.51 kW	13.60 kW	D
		80'	6	TLC-LED-1200	7.02 kW	7.02 kW	F
		80'	6	TLC-LED-1200	7.02 kW	7.02 kW	G
S10	80'	80'	6	TLC-LED-1200	7.02 kW	7.02 kW	E
S11	80'	80'	6	TLC-LED-1200	7.02 kW	7.02 kW	F
		80'	6	TLC-LED-1200	7.02 kW	7.02 kW	E
S12	80'	80'	6	TLC-LED-1200	7.02 kW	7.02 kW	G
		80'	6	TLC-LED-1200	7.02 kW	7.02 kW	F
S13	80'	80'	6	TLC-LED-1200	7.02 kW	7.02 kW	G
S14	80'	80'	6	TLC-LED-1200	7.02 kW	7.02 kW	H
		80'	6	TLC-LED-1200	7.02 kW	7.02 kW	G
S15	80'	80'	6	TLC-LED-1200	7.02 kW	7.02 kW	H
11			***153***		***201.07 kW***	***208.69 kW***	

Circuit Summary

Circuit	Description	Avg Load	Max Load	Fixture Qty
B	Soccer 2	25.02 kW	27.2 kW	16
C	Soccer 3	25.02 kW	27.2 kW	16
D	Soccer 4	37.54 kW	40.8 kW	24
E	Soccer 5	28.08 kW	28.08 kW	24
F	Soccer 6	28.08 kW	28.08 kW	24
G	Multipurpose 1	28.08 kW	28.08 kW	24
H	Multipurpose 2	29.25 kW	29.25 kW	25

Fixture Type Summary

Type	Source	Wattage	Lumens	L90	L80	L70	Quantity
TLC-LED-1200	LED 5700K - 75 CRI	1170W	136,000	>120,000	>120,000	>120,000	97

Type	Source	Avg Wattage	Max Wattage	Constant Lumens	Application	Quantity
Green Generation	1500W MZ	1564W	1700W	134,000	100K	56

Light Level Summary

Calculation Grid Summary

Grid Name	Calculation Metric	Illumination					Circuits	Fixture Qty
		Ave	Min	Max	Max/Min	Ave/Min		
Blanket Grid	Horizontal	17.6	0	59	20866.28		A,B,C,D,E, F,G,H	153
Multipurpose 1	Horizontal	30.1	18	40	2.19	1.67	G	24
Multipurpose 2	Horizontal	31	17	42	2.54	1.82	H	25
Multipurpose	Horizontal Illuminance	0	0	0	0.00		A	0
Property Line	Horizontal	0	0	0	0.00		E,F,G,H	97
Property Line	Max Candela (by Fixture)	32.7	0	283	0.00		E,F,G,H	97
Property Line	Max Vertical Illuminance Metric	0	0	0	0.00		E,F,G,H	97
Soccer 5	Horizontal Illuminance	31.7	25	39	1.54	1.27	E	24
Soccer 6	Horizontal Illuminance	32.4	24	42	1.80	1.35	F	24

ENGINEERED DESIGN By: Vashon Alexander • File #195911C • 23-Apr-20

SPORTS LIGHTING CRITERIA NOTES

A. BID STANDARD FOR THE SPORTS FIELD LIGHTING SYSTEM

1. THE CITY OF STOCKTON UNDERSTANDS THAT THERE ARE SEVERAL FIRMS WHO DESIGN AND BUILD VARIOUS TYPES OF SPORTS FIELD LIGHTING SYSTEM IN VARYING QUALITY AND ARCHITECTURAL STYLES, USING SIMILAR OR DIFFERENT CONSTRUCTION METHODS AND MATERIALS. FOR THE PURPOSE OF THIS BID, THE OWNER HAS SELECTED:

   THE LIGHTING SPECIFICATIONS HEREIN FOR DESIGN BASED ON SAFETY, GREEN DESIGN, CODE COMPLIANCE, AND SITE SPECIFIC COMPATIBILITY. THESE LIGHTING SPECIFICATIONS ARE ALSO THE STANDARD FOR PERFORMANCE AND QUALITY FOR THE DESIGN-LIFE WITH LOW-MAINTENANCE BASED UPON THE LONGEVITY OF THE MATERIALS SELECTED. OTHER LIGHTING FIRMS QUOTING "OR EQUAL" WHOSE CRITERIA AND STANDARDS DO NOT COMPLY WILL BE REJECTED.

B. "OR EQUAL DESIGN/BUILD SUBCONTRACTORS"

1. THE CITY OF STOCKTON MAY ALSO ALLOW OTHER FIRMS TO BECOME QUALIFIED TO BID, BUT ANY FIRMS SO AUTHORIZED TO BID MUST FULLY COMPLY WITH THESE BID SPECIFICATIONS AND PLANS, OR BE SUBJECT TO POST BID REJECTION. IN ORDER TO PROVIDE FULL AND OPEN COMPETITION, OTHER FIRMS MAY REQUEST APPROVAL AS AN "OR EQUAL", HOWEVER THE CONTRACTOR MUST PROVIDE SEPARATE LINE ITEM PRICING FOR THE "OR EQUAL" SPORTS FIELD LIGHTING SYSTEM IN ADDITION TO PRICING FOR THE "SELECTED" SPORTS FIELD LIGHTING SYSTEM . THE CITY OF STOCKTON WILL DECIDE WHICH SPORTS FIELD LIGHTING SYSTEM PRODUCT THEY WANT, AND NOT JEOPARDIZE THE CONTRACTORS BID IF AND WHEN PRESENTING AN "OR EQUAL" SOLUTION.

   a) OR EQUAL APPLICANT SHALL PROVIDE WITH THEIR BID SUBMISSION, LIGHTING PLANS, TO SHOW GENERAL DESIGN CRITERIA IS MET.

   b) OR EQUAL APPLICANT SHALL PROVIDE WITH THEIR BID SUBMISSION, A WRITTEN LIST OF EACH AND EVERY DEVIATION FROM THE PUBLISHED BID SPECIFICATIONS/PLANS. LACK OF SPECIFICITY TO EACH DEVIATION FROM THE BID SPECIFICATIONS WILL BE CAUSE FOR REJECTION.

   c) OR EQUAL APPLICANT SHALL PROVIDE CERTIFICATION OF THE SPECIAL INSURANCE REQUIRED IN THIS BID.

   d) OR EQUAL APPLICANT SHALL BE RESPONSIBLE FOR AND BEAR ALL COST FOR PLAN CHECKS, DESIGN AND STRUCTURAL ENGINEERING AND ALL FEES IN OBTAINING APPROVALS AND PERMITS FROM APPLICABLE AGENCIES.

2. THE CITY OF STOCKTON OR THEIR CONSULTANT WILL BE SOLELY RESPONSIBLE FOR THE DECISION TO ACCEPT OR REJECT THE "OR EQUAL" SUBMISSION.

REGISTERED PROFESSIONAL ENGINEER
PAUL J. SCHNEIDER
No. 62498
Exp. 09/30/21
CIVIL
STATE OF CALIFORNIA

DATE SIGNED: 06/08/21

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209-943-2021 www.siegfriedeng.com Fx: 209-942-0214

Revision No.	Description	Date	By	Apprvd. By

STOCKTON SOCCER COMPLEX UPGRADES

LIGHTING - PROJECT SUMMARY

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY: 6/23/21 DATE	SHEET NO. E2.0
DESIGNED BY	PJS/MJK		OF 51 SHEETS
DRAWN BY	RRG		
CHECKED BY	PJS	CITY ENGINEER STOCKTON, CALIFORNIA	PW1510 PROJECT NO.
RECORD DWGS.			

5439.126

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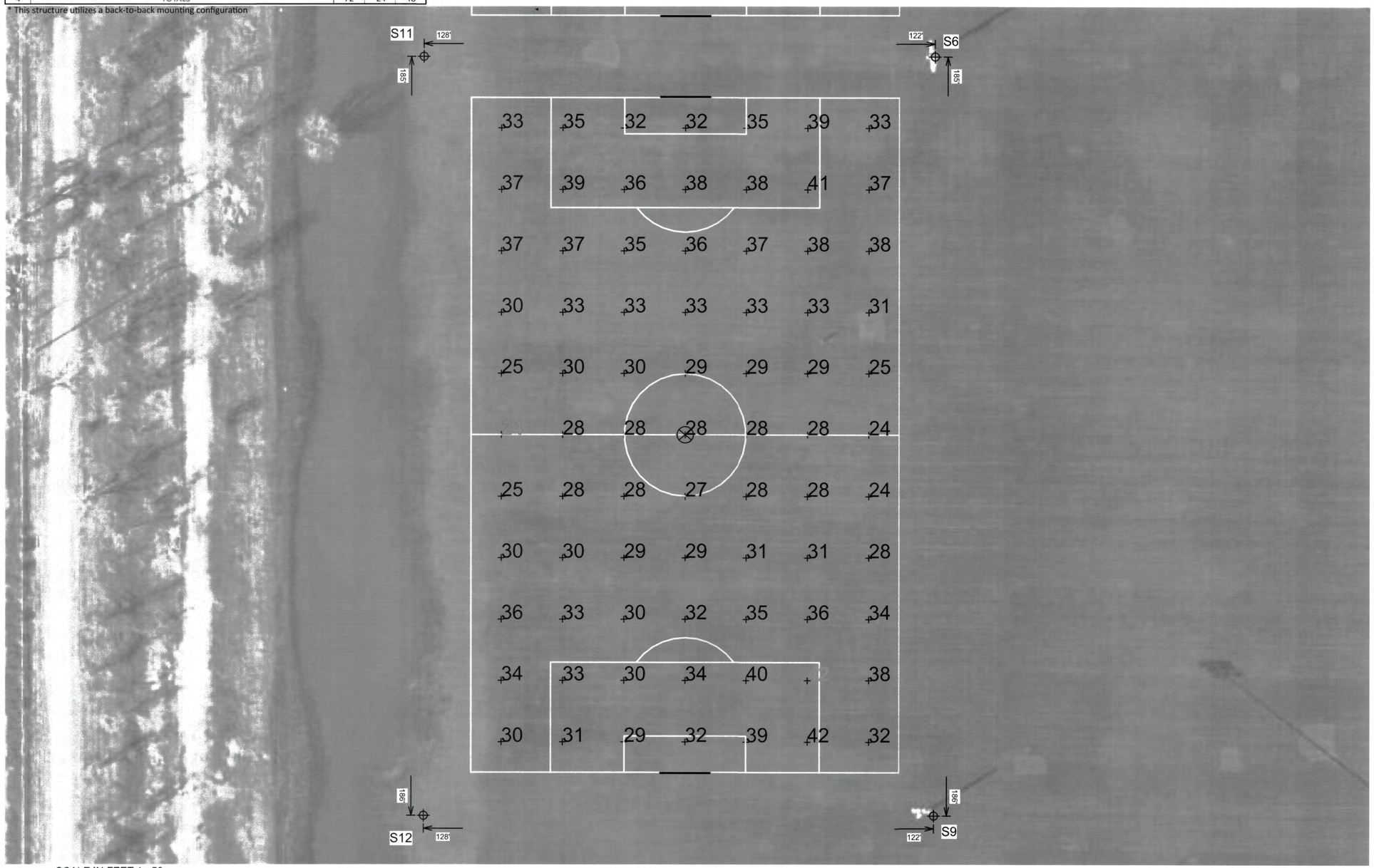
ATTACHMENT B

Stockton, CA

EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
1	S6	80'	-	80'	TLC-LED-1200	12*	6	6
				80'	LSG 15MZ	16	0	16
1	S9	80'	-	80'	TLC-LED-1200	6/6*	6	6
				80'	LSG 15MZ	8	0	8
2	S11-S12	80'	-	80'	TLC-LED-1200	12	6	6
4	TOTALS					72	24	48

* This structure utilizes a back-to-back mounting configuration



SCALE IN FEET 1 : 50

0' 50' 100'

ENGINEERED DESIGN By: Vashon Alexander • File #195911C • 23-Apr-20

GRID SUMMARY

Name:	**Soccer 6**
Size:	330' x 210'
Spacing:	30.0' x 30.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY

MAINTAINED HORIZONTAL FOOTCANDLES

	Entire Grid
Guaranteed Average:	**30**
Scan Average:	32.4
Maximum:	42
Minimum:	24
Avg / Min:	1.38
Guaranteed Max / Min:	**2.5**
Max / Min:	1.80
UG (adjacent pts):	1.31
No. of Points:	77

LUMINAIRE INFORMATION

Color / CRI:	5700K - 75 CRI
Luminaire Output:	136,000 lumens
No. of Luminaires:	**24**
Total Load:	28.08 kW

Lumen Maintenance

Luminaire Type	L90 hrs	L80 hrs	L70 hrs
TLC-LED-1200	>120,000	>120,000	>120,000

Reported per TM-21-11. See luminaire datasheet for details.

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Lighting Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the **"Lighting Control System Summary"** for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

REGISTERED PROFESSIONAL ENGINEER
PAUL J. SCHNEIDER
No. 62498
Exp. 09/30/21
CIVIL
STATE OF CALIFORNIA

DATE SIGNED: 06/08/21

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Revision No.	Description	Date	By	Apprvd. By

STOCKTON SOCCER COMPLEX UPGRADES

ILLUMINATION SUMMARY-FIELD #6

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY:	SHEET NO.
DESIGNED BY	PJS/MJK	DATE 6/23/21	E2.1
DRAWN BY	RRG		OF 51 SHEETS
CHECKED BY	PJS	CITY ENGINEER	PW1510
RECORD DWGS.		STOCKTON, CALIFORNIA	PROJECT NO.

5439.136

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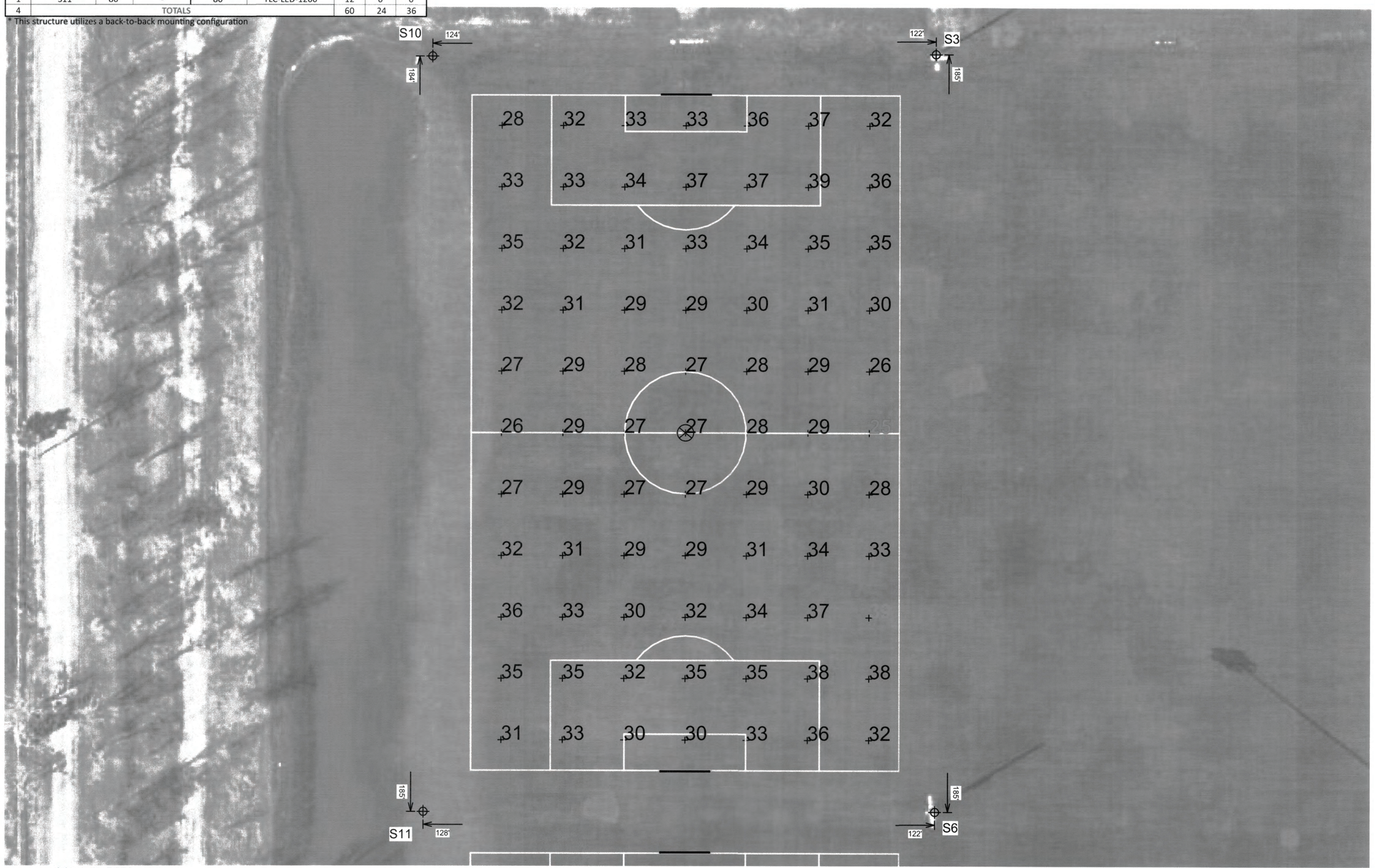
ATTACHMENT B

Stockton, CA

EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
1	S3	80'	-	80'	TLC-LED-1200	6	6	0
				80'	LSG 15MZ	8	0	8
1	S6	80'	-	80'	TLC-LED-1200	12*	6	6
				80'	LSG 15MZ	16	0	16
1	S10	80'	-	80'	TLC-LED-1200	6	6	0
1	S11	80'	-	80'	TLC-LED-1200	12	6	6
4	TOTALS					60	24	36

* This structure utilizes a back-to-back mounting configuration



SCALE IN FEET 1 : 50

0' 50' 100'

ENGINEERED DESIGN By: Vashon Alexander • File #195911C • 23-Apr-20

GRID SUMMARY

Name:	**Soccer 5**
Size:	330' x 210'
Spacing:	30.0' x 30.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY

MAINTAINED HORIZONTAL FOOTCANDLES

	Entire Grid
Guaranteed Average:	**30**
Scan Average:	31.7
Maximum:	39
Minimum:	25
Avg / Min:	1.25
Guaranteed Max / Min:	**2.5**
Max / Min:	1.54
UG (adjacent pts):	1.20
No. of Points:	77

LUMINAIRE INFORMATION

Color / CRI:	5700K - 75 CRI
Luminaire Output:	136,000 lumens
No. of Luminaires:	**24**
Total Load:	28.08 kW

Lumen Maintenance

Luminaire Type	L90 hrs	L80 hrs	L70 hrs
TLC-LED-1200	>120,000	>120,000	>120,000

Reported per TM-21-11. See luminaire datasheet for details.

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Lighting Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the **"Lighting Control System Summary"** for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

REGISTERED PROFESSIONAL ENGINEER
PAUL J. SCHNEIDER
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DATE SIGNED: 06/08/21

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Revision No.	Description	Date	By	Apprvd. By

STOCKTON SOCCER COMPLEX UPGRADES

ILLUMINATION SUMMARY-FIELD #5

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY:	SHEET NO.
DESIGNED BY	PJS/MJK	DATE 6/29/21	E2.2
DRAWN BY	RRG		OF 51 SHEETS
CHECKED BY	PJS	CITY ENGINEER	PW1510
RECORD DWGS.		STOCKTON, CALIFORNIA	PROJECT NO.

5439.146

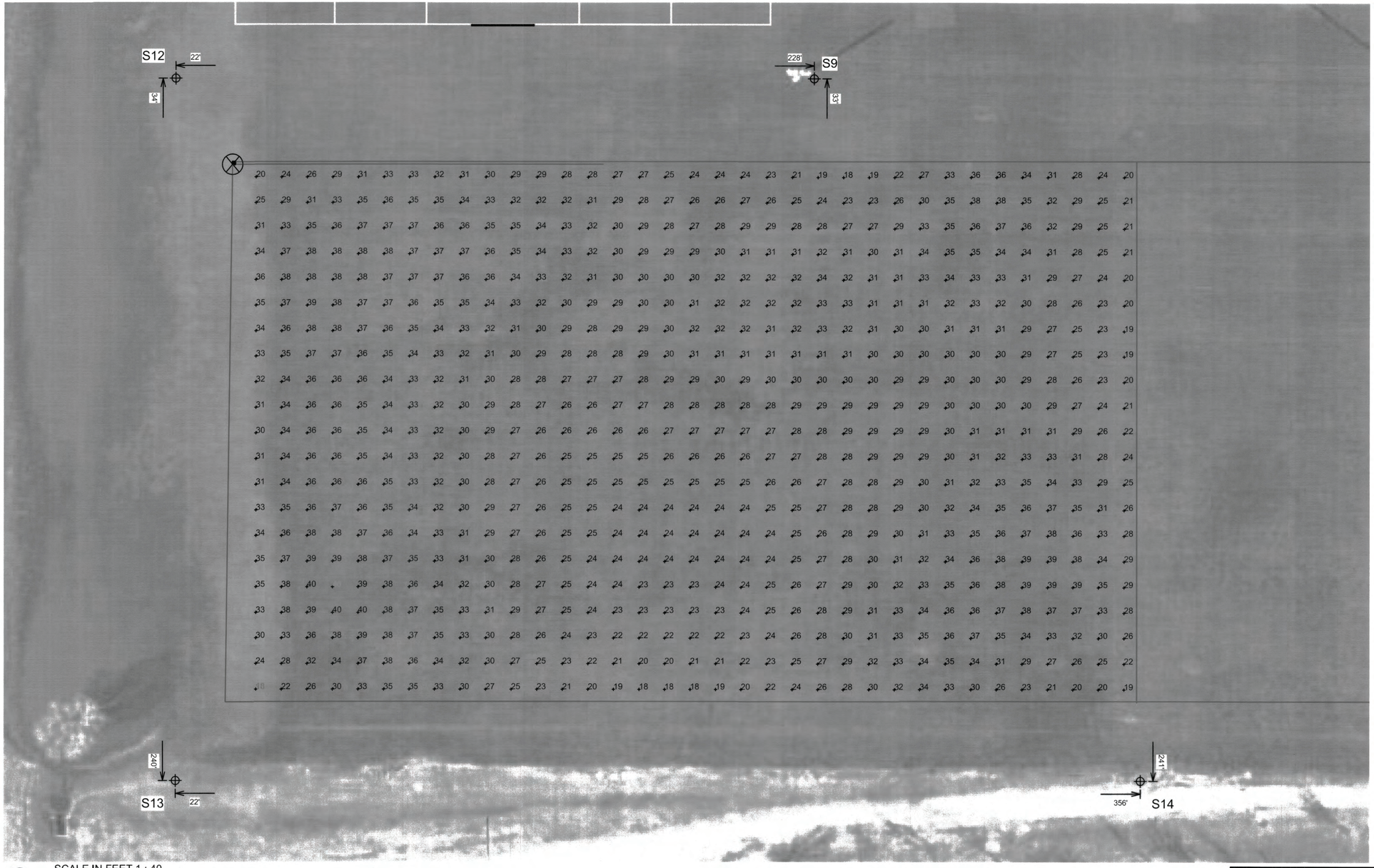
ATTACHMENT B

Stockton, CA

EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
1	S9	80'	-	80'	TLC-LED-1200	6/6*	6	6
				80'	LSG 15MZ	8	0	8
2	S12, S14	80'	-	80'	TLC-LED-1200	12	6	6
1	S13	80'	-	80'	TLC-LED-1200	6	6	0
4	TOTALS					50	24	26

* This structure utilizes a back-to-back mounting configuration



SCALE IN FEET 1 : 40

0' 40' 80'

ENGINEERED DESIGN By: Vashon Alexander • File #195911C • 23-Apr-20

GRID SUMMARY

Name:	**Multipurpose 1**
Size:	1' x 1'
Spacing:	10.0' x 10.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY

MAINTAINED HORIZONTAL FOOTCANDLES

Entire Grid

Scan Average:	**30.1**
Maximum:	40
Minimum:	18
Avg / Min:	1.65
Max / Min:	**2.19**
UG (adjacent pts):	1.31
No. of Points:	735

LUMINAIRE INFORMATION

Color / CRI:	5700K - 75 CRI
Luminaire Output:	136,000 lumens
No. of Luminaires:	**24**
Total Load:	28.08 kW

Lumen Maintenance

Luminaire Type	L90 hrs	L80 hrs	L70 hrs
TLC-LED-1200	>120,000	>120,000	>120,000

Reported per TM-21-11. See luminaire datasheet for details.

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Lighting Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the **"Lighting Control System Summary"** for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

REGISTERED PROFESSIONAL ENGINEER
PAUL V. SCHNEIDER
No. 62498
Exp. 09/30/21
CIVIL
STATE OF CALIFORNIA

DATE SIGNED: 06/08/21

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Revision No.	Description	Date	By	Apprvd. By

STOCKTON SOCCER COMPLEX UPGRADES

ILLUMINATION SUMMARY-MULTIPURPOSE #1

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED,BY:	SHEET NO.
DESIGNED BY	PJS/MJK	DATE 6/23/21	E2.3
DRAWN BY	RRG		OF 51 SHEETS
CHECKED BY	PJS	CITY ENGINEER	PW1510
RECORD DWGS.		STOCKTON, CALIFORNIA	PROJECT NO.

5439.152

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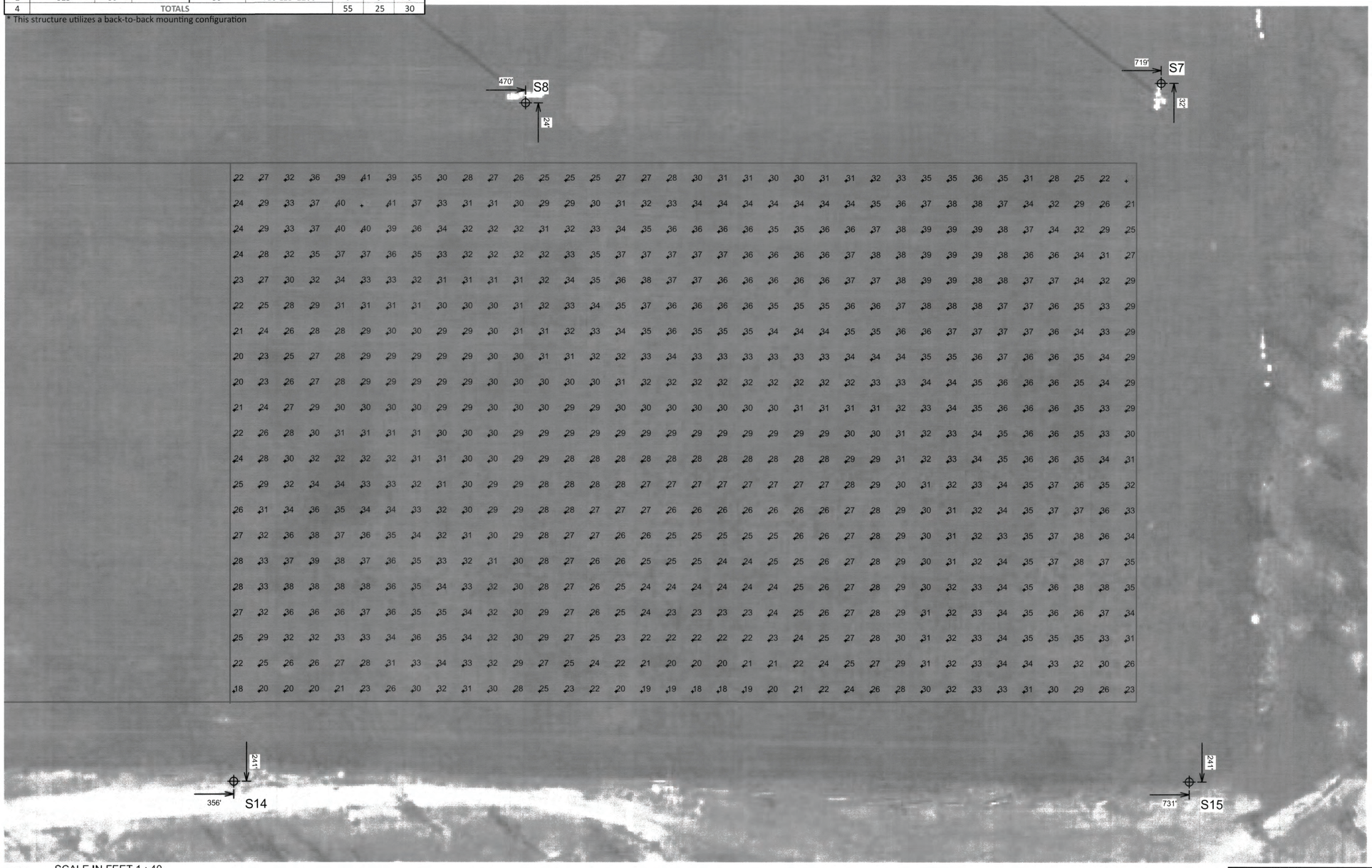
ATTACHMENT B

Stockton, CA

EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
1	S7	80'	-	80'	TLC-LED-1200	5	5	0
				80'	LSG 15MZ	8	0	8
1	S8	80'	-	80'	TLC-LED-1200	8*	8	0
				80'	LSG 15MZ	16	0	16
1	S14	80'	-	80'	TLC-LED-1200	12	6	6
1	S15	80'	-	80'	TLC-LED-1200	6	6	0
4	TOTALS					55	25	30

* This structure utilizes a back-to-back mounting configuration



SCALE IN FEET 1 : 40

0' 40' 80'

ENGINEERED DESIGN By: Vashon Alexander • File #195911C • 23-Apr-20

GRID SUMMARY

Name:	**Multipurpose 2**
Size:	1' x 1'
Spacing:	10.0' x 10.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY

MAINTAINED HORIZONTAL FOOTCANDLES

Entire Grid

Scan Average:	**31.0**
Maximum:	42
Minimum:	17
Avg / Min:	1.85
Max / Min:	**2.54**
UG (adjacent pts):	1.31
No. of Points:	756

LUMINAIRE INFORMATION

Color / CRI:	5700K - 75 CRI
Luminaire Output:	136,000 lumens
No. of Luminaires:	**25**
Total Load:	29.25 kW

Lumen Maintenance

Luminaire Type	L90 hrs	L80 hrs	L70 hrs
TLC-LED-1200	>120,000	>120,000	>120,000

Reported per TM-21-11. See luminaire datasheet for details.

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the **"Musco Control System Summary"** for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

REGISTERED PROFESSIONAL ENGINEER
PAUL V. SCHNEIDER
No. 62498
Exp. 09/30/21
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DATE SIGNED: 06/08/21

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STOCKTON SOCCER COMPLEX UPGRADES

ILLUMINATION SUMMARY-MULTIPURPOSE #2

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

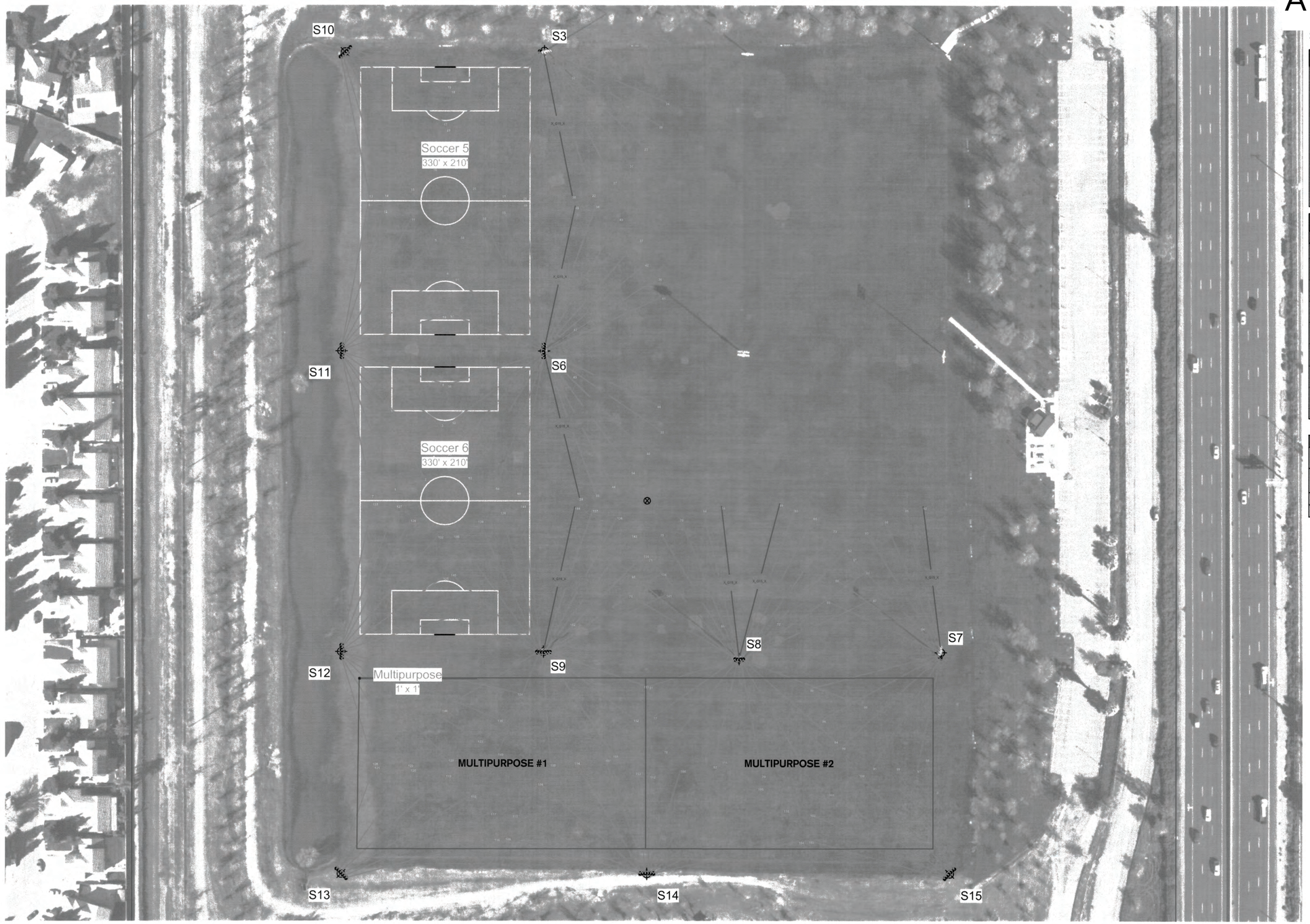
Revision No.	Description	Date	By	Apprvd. By

SCALE	AS SHOWN	APPROVED BY:	SHEET NO.
DESIGNED BY	PJS/MJK	DATE: 6/23/21	E2.4
DRAWN BY	RRG		OF 51 SHEETS
CHECKED BY	PJS	CITY ENGINEER STOCKTON, CALIFORNIA	PW1510
RECORD DWGS.			PROJECT NO.

5439.166

F:\1Bprojects\19128 COS Stockton Soccer Complex Upgrades\Plans and Graphics\Improvement Plans\19128-E2.4-LIGHTING PHOTOMETRICS IV.dwg — 06/08/21

ATTACHMENT B



Stockton, CA

EQUIPMENT LAYOUT

INCLUDES:
- Multipurpose
- Soccer 5
- Soccer 6

Electrical System Requirements: Refer to Amperage Draw Chart and/or the **"Lighting Control System Summary"** for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

EQUIPMENT LIST FOR AREAS SHOWN

	Pole			Luminaires		
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE
1	S3	80'	-	80' 80'	TLC-LED-1200 LSG 15MZ	6 8
1	S6	80'	-	80' 80'	TLC-LED-1200 LSG 15MZ	12* 16
1	S7	80'	-	80' 80'	TLC-LED-1200 LSG 15MZ	5 8
1	S8	80'	-	80' 80'	TLC-LED-1200 LSG 15MZ	8* 16
1	S9	80'	-	80' 80'	TLC-LED-1200 LSG 15MZ	6/6* 8
3	S10, S13 S15	80'	-	80'	TLC-LED-1200	6
3	S11-S12 S14	80'	-	80'	TLC-LED-1200	12
11	TOTALS					153

* This structure utilizes a back-to-back mounting configuration

SINGLE LUMINAIRE AMPERAGE DRAW CHART

Ballast Specifications (.90 min power factor)	Line Amperage Per Luminaire (max draw)						
Single Phase Voltage	208 (60)	220 (60)	240 (60)	277 (60)	347 (60)	380 (60)	480 (60)
1500 watt MZ	-	-	-	-	-	-	-
TLC-LED-1200	-	-	-	-	-	-	-

REGISTERED PROFESSIONAL ENGINEER
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DATE SIGNED: 06/08/21

SCALE IN FEET 1 : 120

0' 120' 240'

ENGINEERED DESIGN By: Vashon Alexander • File #195911C • 23-Apr-20

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STOCKTON SOCCER COMPLEX UPGRADES

EQUIPMENT LAYOUT

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED:	SHEET NO.
DESIGNED BY	PJS/MJK	DATE	E2.5
DRAWN BY	RRG		OF 51 SHEETS
CHECKED BY	PJS	CITY ENGINEER STOCKTON, CALIFORNIA	PW1510
RECORD DWGS.			PROJECT NO.

5439.176

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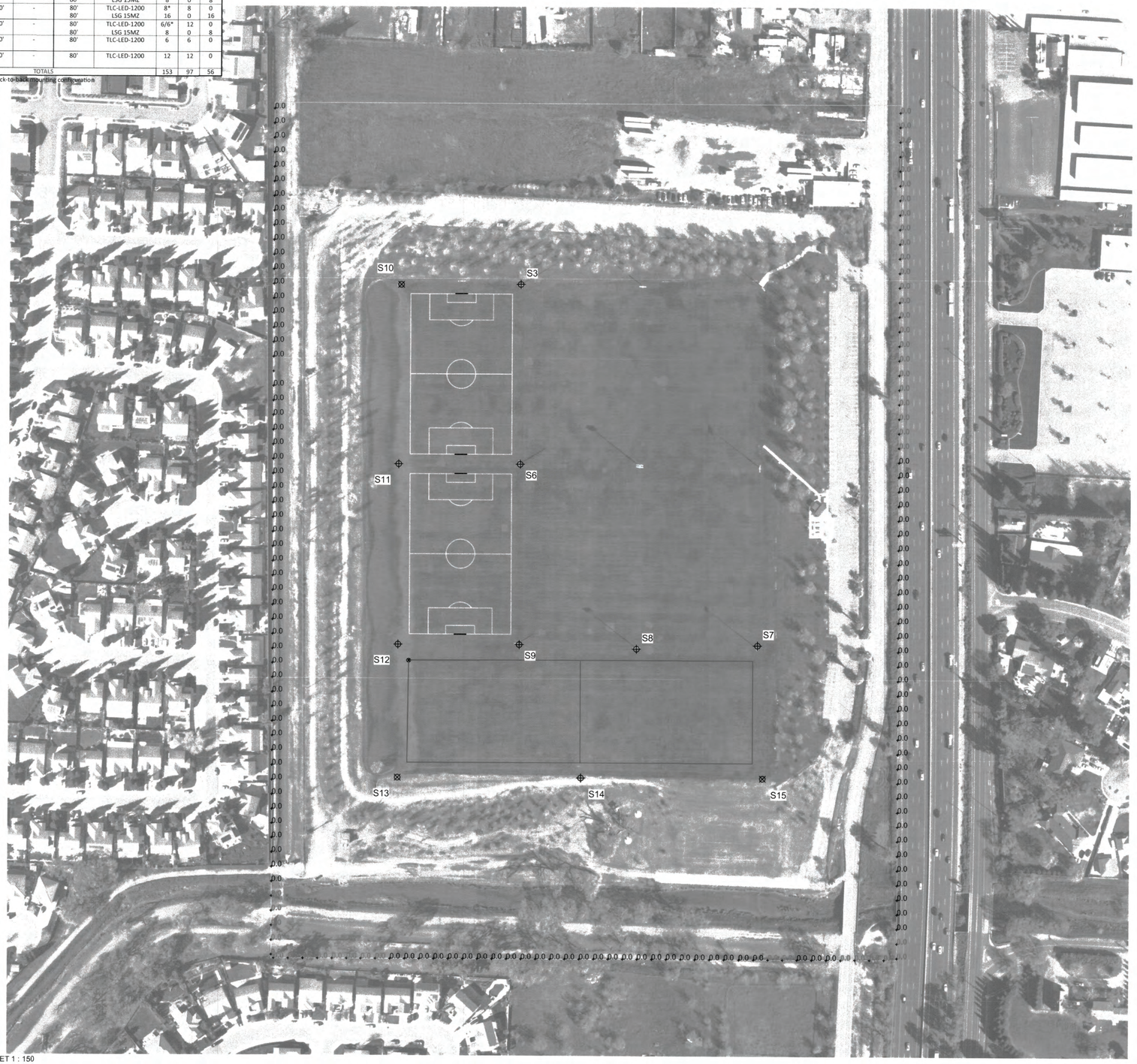
ATTACHMENT B

EQUIPMENT LIST FOR AREAS SHOWN

Pole QTY	Pole LOCATION	Pole SIZE	Pole GRADE ELEVATION	Luminaires MOUNTING HEIGHT	Luminaires LUMINAIRE TYPE	Luminaires QTY / POLE	Luminaires THIS GRID	Luminaires OTHER GRIDS
1	S3	80'	-	80'	TLC-LED-1200	6	6	0
				80'	LSG 15MZ	8	0	8
1	S6	80'	-	80'	TLC-LED-1200	12*	12	0
				80'	LSG 15MZ	16	0	16
1	S7	80'	-	80'	TLC-LED-1200	5	5	0
				80'	LSG 15MZ	8	0	8
1	S8	80'	-	80'	TLC-LED-1200	8*	8	0
				80'	LSG 15MZ	16	0	16
1	S9	80'	-	80'	TLC-LED-1200	6/6*	12	0
				80'	LSG 15MZ	8	0	8
3	S10, S13 S15	80'	-	80'	TLC-LED-1200	6	6	0
3	S11-S12 S14	80'	-	80'	TLC-LED-1200	12	12	0
11	TOTALS					153	97	56

* This structure utilizes a back-to-back mounting configuration



SCALE IN FEET 1 : 150

0' 150' 300'

ENGINEERED DESIGN By: Vashon Alexander • File #195911C • 23-Apr-20

Detention Basi

Stockton, CA

GRID SUMMARY

Name:	**Property Line**
Spacing:	30.0'
Height:	13.0' above grade

ILLUMINATION SUMMARY

HORIZONTAL FOOTCANDLES

	Entire Grid
Scan Average:	**0.000**
Maximum:	0.00
Minimum:	0.00
No. of Points:	161

LUMINAIRE INFORMATION

Color / CRI:	5700K - 75 CRI
Luminaire Output:	136,000 lumens
No. of Luminaires:	**97**
Total Load:	113.49 kW

Lumen Maintenance

Luminaire Type	L90 hrs	L80 hrs	L70 hrs
TLC-LED-1200	>120,000	>120,000	>120,000

Reported per TM-21-11. See luminaire datasheet for details.

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Lighting Warranty document.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the "**Lighting Control System Summary**" for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

REGISTERED PROFESSIONAL ENGINEER PAUL J. SCHNEIDER No. 62498 Exp. 09/30/21 CIVIL STATE OF CALIFORNIA

DATE SIGNED: 06/08/21

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STOCKTON SOCCER COMPLEX UPGRADES

ILLUMINATION SUMMARY

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY:	SHEET NO.
DESIGNED BY	PJS/MJK	DATE 6/23/21	E2.6
DRAWN BY	RRG		OF 51 SHEETS
CHECKED BY	PJS	CITY ENGINEER	PW1510
RECORD DWGS.		STOCKTON, CALIFORNIA	PROJECT NO.

5439.182

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ATTACHMENT B

CONTROL SYSTEM SUMMARY

Project Number:	123640		
Project Name:	Detention Basin Soccer Complex		
Prepared By:	Eric Svenby		
Sales Rep:	Bob Crookham	**Date:**	03/10/2008
Scan:	123640td		
Service Location:	1 of 1 Detention Basin		

CONTROL SYSTEM TYPE: Control and Monitoring Typical

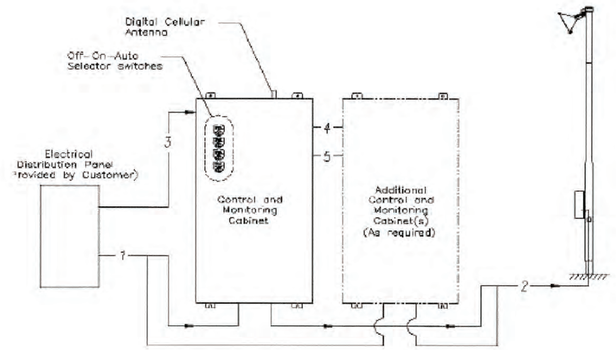
EQUIPMENT LISTING

	DESCRIPTION	APPROXIMATE SIZE
1.	CONTROL AND MONITORING CABINET	24 X 72
2.	CONTROL AND MONITORING CABINET	24 X 72
3.	CONTROL AND MONITORING CABINET	24 X 72
4.	CONTROL AND MONITORING CABINET	24 X 48

	QTY	SIZE
TOTAL CONTACTORS:	2	30 AMP
	32	60 AMP
TOTAL Off/On/Auto SWITCHES:	9	

Service Notes:

Control and Monitoring Digital Typical Equipment Layout



Wiring Details

WIRE	DESCRIPTION	VOLTAGE	# OF WIRES	TYP. SIZE	NOTES	SUPPLIER
1	POWER TO LIGHTING CONTACTORS (LINE)	NOTE A	NOTE A	NOTE B	A thru E	CONTRACTOR
2	POWER FROM CONTACTORS TO POLES (LOAD)	NOTE A	NOTE A	NOTE B	A thru E	CONTRACTOR
3	CONTROL VOLTAGE (20 AMP)	120V (AC)	3	12	C,D,E	CONTRACTOR
4	CONTROL VOLTAGE HARNESSES	120V (AC)	--	--	C,D,E	MUSCO
5	MONITORING MODULE COMMUNICATION CABLE	N/A	1	--	C,D,E	MUSCO

Notes:

A. Voltage and phasing per the notes on page 2.
B. Calculate per load, voltage drop.
C. For more information on equipment, see attached drawings.
D. Refer to installation instructions for details on equipment mounting and conduit entry points.
E. Power circuits (wire #1-4) must be run in separate conduit from non-power circuits (wire #5).

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DATE SIGNED: 06/08/21

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STOCKTON SOCCER COMPLEX UPGRADES

CONTROL SYSTEM SUMMARY I

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY:	SHEET NO.
DESIGNED BY	PJS/MJK	DATE	E2.7
DRAWN BY	RRG		OF 51 SHEETS
CHECKED BY	PJS	CITY ENGINEER	PW1510
RECORD DWGS.		STOCKTON, CALIFORNIA	PROJECT NO.

5439.196

ATTACHMENT B

CONTROL SYSTEM SUMMARY

Project Number:	123640		
Project Name:	Detention Basin Soccer Complex		
Prepared By:	Eric Svenby		
Sales Rep:	Bob Crookham	**Date:**	03/10/2008
Scan:	123640td		
Service Location:	1 of 1 Detention Basin		

IMPORTANT NOTES:

1. This design is based on **480 VOLTS 3 phase.** If voltage is other, equipment costs may be affected. Contact your Lighting sales representative.
2. When 3 phase service is available, all 3 phases are to be run to each pole.
3. One contactor is required for each pole. When a pole has multiple circuits, one contactor is required for each circuit.
4. If the lighting system will be fed from more than one service location, additional equipment may be required.
5. Entrance hub and locknut materials must be die-cast zinc, copper free die-cast aluminum or PVC and must meet NEMA 4 enclosure sealing requirements.
6. A **single 120V control circuit** must be supplied to each control system.
7. Size overcurrent devices using the full load amps column of the chart. Full load amps based on an assumed power factor of 0.9.

CONTROL POWER CONSUMPTION	
120V SINGLE PHASE (SEE NOTE 6)	
VA LOADING OF LIGHTING SUPPLIED EQUIPMENT	INRUSH: 8180.0
	SEALED: 1047.0

SWITCHING SCHEDULE

Field Type	Zones	Customer Field Name
SOCCER	1	Soccer 1
Soccer2	2	Soccer 2
Soccer3	3	Soccer 3
Soccer4	4	Soccer 4
Soccer2	5	Future 1
SOCCER	6	Future 2
Soccer3	7	Future 3
Soccer4	8	Future 4
Other	9	Parking

CIRCUIT SUMMARY BY ZONE

POLE	CIRCUIT NAME	# OF FIXT	FULL LOAD AMPS	CONTACTOR SIZE(AMPS)	CONTACTOR ID	ZONE
S1	Soccer 1	8	22.2	60	C1	1
S2	Soccer 1	8	22.2	60	C2	1
S4	Soccer 1	8	22.2	60	C3	1
S5	Soccer 1	8	22.2	60	C4	1
S2	Soccer 2	8	22.2	60	C5	2
S3	Soccer 2	8	22.2	60	C6	2
S5	Soccer 2	8	22.2	60	C7	2
S6	Soccer 2	8	22.2	60	C8	2
S4	Soccer 3	8	22.2	60	C9	3
S5	Soccer 3	8	22.2	60	C10	3
S7	Soccer 3	8	22.2	60	C11	3
S8	Soccer 3	8	22.2	60	C12	3
S5	Soccer 4	8	22.2	60	C13	4
S6	Soccer 4	8	22.2	60	C14	4
S8	Soccer 4	8	22.2	60	C15	4
S9	Soccer 4	8	22.2	60	C16	4
S10	Future 1	8	22.2	60	C17	5
S11	Future 1	8	22.2	60	C18	5
S13	Future 1	8	22.2	60	C19	5
S15	Future 1	8	22.2	60	C20	5
S12	Future 2	8	22.2	60	C21	6
S13	Future 2	8	22.2	60	C22	6
S14	Future 2	8	22.2	60	C23	6
S15	Future 2	8	22.2	60	C24	6
S14	Future 3	8	22.2	60	C25	7
S15	Future 3	8	22.2	60	C26	7
S16	Future 3	8	22.2	60	C27	7
S17	Future 3	8	22.2	60	C28	7
S11	Future 4	8	22.2	60	C29	8
S15	Future 4	8	22.2	60	C30	8
S17	Future 4	8	22.2	60	C31	8
S18	Future 4	8	22.2	60	C32	8
P1	Parking	0	0.0	30	C33	9
P2	Parking	0	0.0	30	C34	9

REGISTERED PROFESSIONAL ENGINEER
PAUL J. SCHNEIDER
No. 62498
Exp. 09/30/21
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STATE OF CALIFORNIA

DATE SIGNED: 06/08/21

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Revision No.	Description	Date	By	Apprvd. By

STOCKTON SOCCER COMPLEX UPGRADES

CONTROL SYSTEM SUMMARY II

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY:	SHEET NO.
DESIGNED BY	PJS/MJK	DATE	E2.8
DRAWN BY	RRG		OF 51 SHEETS
CHECKED BY	PJS	CITY ENGINEER	PW1510
RECORD DWGS.		STOCKTON, CALIFORNIA	PROJECT NO.

5439.206

ATTACHMENT B

CONTROL SYSTEM SUMMARY

Project Number:	123640	
Project Name:	Detention Basin Soccer Complex	
Prepared By:	Eric Svenby	
Sales Rep:	Bob Crookham	**Date:** 03/10/2008
Scan:	123640td	
Service Location:	1 of 1 Detention Basin	

PANEL SUMMARY

CABINET #	CONTROL MODULE LOCATION	CONT. ID	CIRCUIT DESCRIPTION	FULL LOAD AMPS	DISTRIBUTION PANEL ID BY OTHERS	CIRCUIT BREAKER POSITION BY OTHERS
1	1	C1	Pole S1	22.2		
1	1	C2	Pole S2	22.2		
1	1	C3	Pole S4	22.2		
1	1	C4	Pole S5	22.2		
1	1	C5	Pole S2	22.2		
1	1	C6	Pole S3	22.2		
1	1	C7	Pole S5	22.2		
1	1	C8	Pole S6	22.2		
1	1	C9	Pole S4	22.2		
1	1	C10	Pole S5	22.2		
1	1	C11	Pole S7	22.2		
1	1	C12	Pole S8	22.2		
2	1	C13	Pole S5	22.2		
2	1	C14	Pole S6	22.2		
2	1	C15	Pole S8	22.2		
2	1	C16	Pole S9	22.2		
2	1	C17	Pole S10	22.2		
2	1	C18	Pole S11	22.2		
2	1	C19	Pole S13	22.2		
2	1	C20	Pole S15	22.2		
2	1	C21	Pole S12	22.2		

(CONTINUED ON NEXT PAGE)

ZONE SCHEDULE

ZONE	Selector Switch	ZONE DESCRIPTION	CIRCUIT DESCRIPTION	
			POLE ID	CONT ID
Zone 1	1	Soccer 1	S1	C1
			S2	C2
			S4	C3
			S5	C4
Zone 2	2	Soccer 2	S2	C5
			S3	C6
			S5	C7
			S6	C8
Zone 3	3	Soccer 3	S4	C9
			S5	C10
			S7	C11
			S8	C12
Zone 4	4	Soccer 4	S5	C13
			S6	C14
			S8	C15
			S9	C16
Zone 5	5	Future 1	S10	C17
			S11	C18
			S13	C19
			S15	C20
Zone 6	6	Future 2	S12	C21
			S13	C22
			S14	C23
			S15	C24
Zone 7	7	Future 3	S14	C25
			S15	C26
			S16	C27
			S17	C28
Zone 8	8	Future 4	S11	C29

(CONTINUED ON NEXT PAGE)

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Revision No.	Description	Date	By	Apprvd. By

STOCKTON SOCCER COMPLEX UPGRADES

CONTROL SYSTEM SUMMARY III

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED: DATE	SHEET NO. E2.9
DESIGNED BY	PJS/MJK		OF 51 SHEETS
DRAWN BY	RRG		PW1510
CHECKED BY	PJS	CITY ENGINEER	PROJECT NO.
RECORD DWGS.		STOCKTON, CALIFORNIA	

5439.21C

ATTACHMENT B

CONTROL SYSTEM SUMMARY

Project Number:	123640	
Project Name:	Detention Basin Soccer Complex	
Prepared By:	Eric Svenby	
Sales Rep:	Bob Crookham	**Date:** 03/10/2008
Scan:	123640td	
Service Location:	1 of 1 Detention Basin	

PANEL SUMMARY

CABINET #	CONTROL MODULE LOCATION	CONT. ID	CIRCUIT DESCRIPTION	FULL LOAD AMPS	DISTRIBUTION PANEL ID BY OTHERS	CIRCUIT BREAKER POSITION BY OTHERS
2	1	C22	Pole S13	22.2		
2	1	C23	Pole S14	22.2		
2	1	C24	Pole S15	22.2		
3	1	C25	Pole S14	22.2		
3	1	C26	Pole S15	22.2		
3	1	C27	Pole S16	22.2		
3	1	C28	Pole S17	22.2		
3	1	C29	Pole S11	22.2		
3	1	C30	Pole S15	22.2		
3	1	C31	Pole S17	22.2		
3	1	C32	Pole S18	22.2		
4	2	C33	Pole P1	0.0		
4	2	C34	Pole P2	0.0		

ZONE SCHEDULE

ZONE	Selector Switch	ZONE DESCRIPTION	CIRCUIT DESCRIPTION	
			POLE ID	CONT ID
Zone 8	8	Future 4	S15	C30
			S17	C31
			S18	C32
Zone 9	1	Parking	P1	C33
			P2	C34

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STOCKTON SOCCER COMPLEX UPGRADES

CONTROL SYSTEM SUMMARY IV

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY: DATE	SHEET NO. E2.10
DESIGNED BY	PJS/MJK		OF 51 SHEETS
DRAWN BY	RRG		PW1510 - PROJECT NO.
CHECKED BY	PJS	CITY ENGINEER STOCKTON, CALIFORNIA	
RECORD DWGS.			

5439.226

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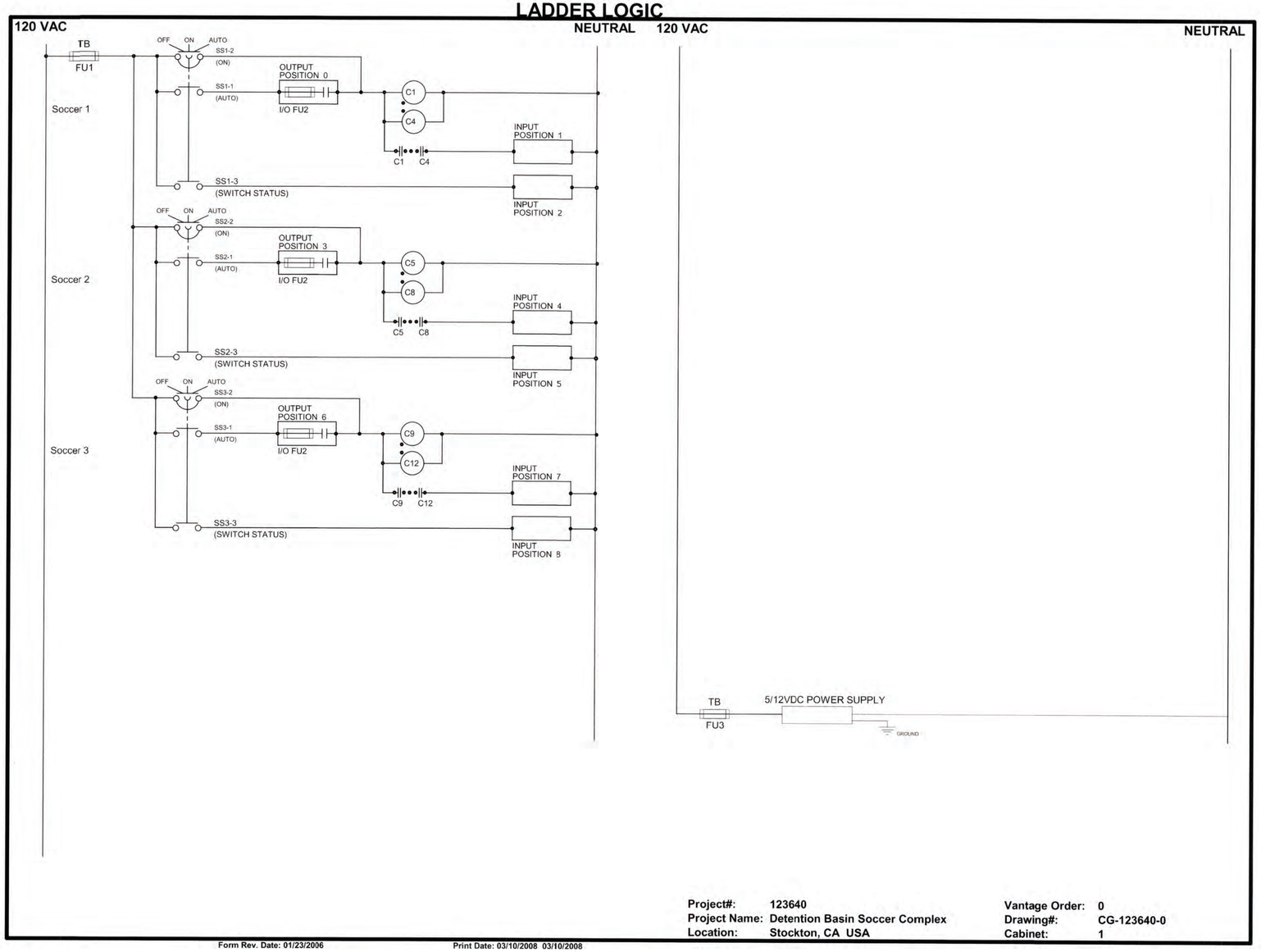
ATTACHMENT B

LADDER LOGIC



Project#: 123640
Project Name: Detention Basin Soccer Complex
Location: Stockton, CA USA

Vantage Order: 0
Drawing#: CG-123640-0
Cabinet: 1

Form Rev. Date: 01/23/2006

Print Date: 03/10/2008 03/10/2008

F:\1Projects\19128 COS Stockton Soccer Complex Upgrades\Plans and Graphics\Improvement Plans\19128-E2.11--LIGHTING PHOTOMETRICS 3ill.dwg — 06/08/21

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Revision No.	Description	Date	By	Apprvd. By

STOCKTON SOCCER COMPLEX UPGRADES

LADDER LOGIC

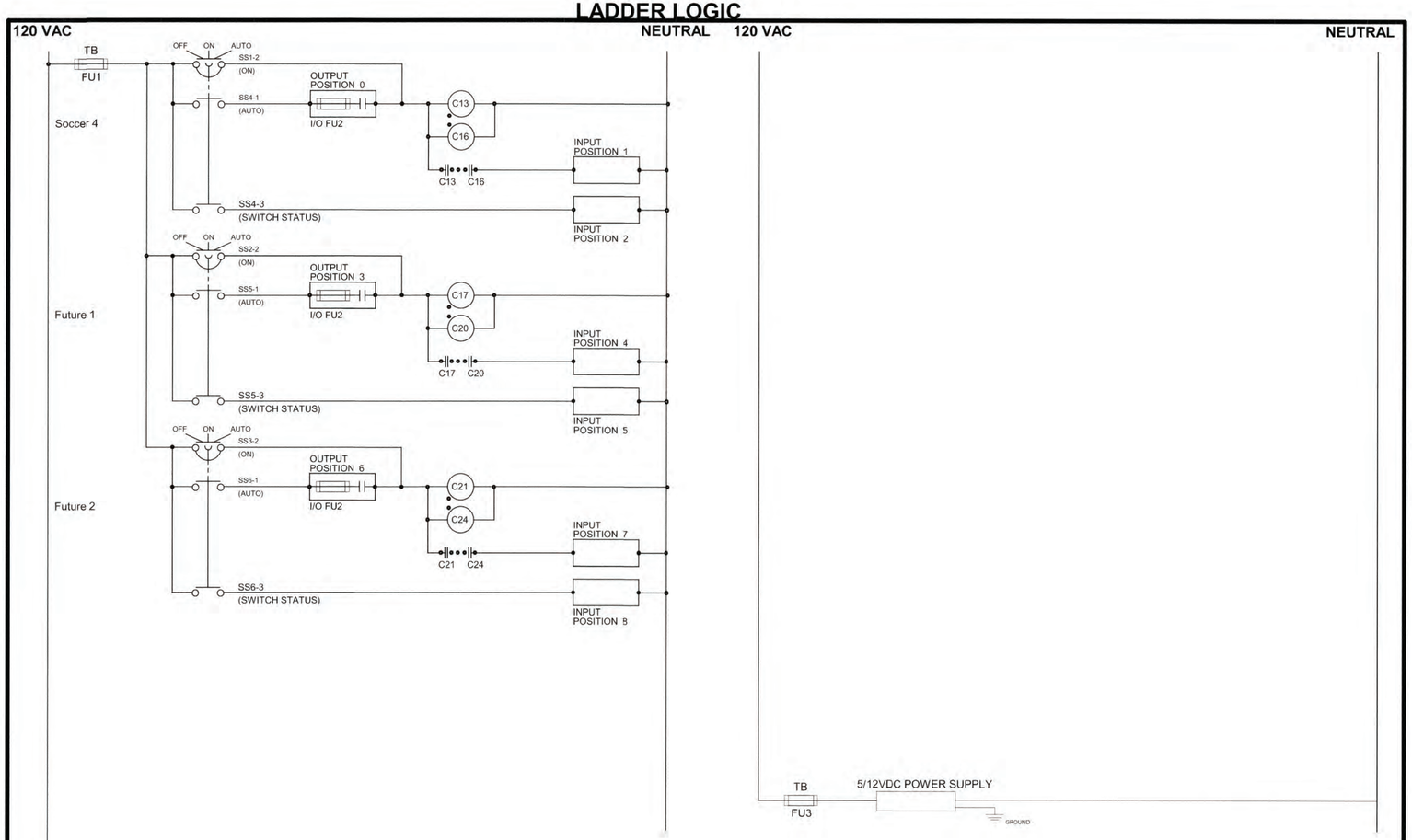
DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY:	SHEET NO. E2.11
DESIGNED BY	PJS/MJK	DATE 6/23/21	OF 51 SHEETS
DRAWN BY	RRG	CITY ENGINEER	PW1510
CHECKED BY	PJS	STOCKTON, CALIFORNIA	PROJECT NO.
RECORD DWGS.			

5439.236

ATTACHMENT B

LADDER LOGIC



Project#:	**123640**	**Vantage Order:**	**0**
Project Name:	**Detention Basin Soccer Complex**	**Drawing#:**	**CG-123640-0**
Location:	**Stockton, CA USA**	**Cabinet:**	**2**

Form Rev. Date: 01/23/2006 **Print Date: 03/10/2008 03/10/2008**

F:\Projects\19128 CDS Stockton Soccer Complex Upgrades\Plans and Graphics\Improvement Plans\19128-E2.12-LIGHTING PHOTOMETRICS XH.dwg — 06/08/21

REGISTERED PROFESSIONAL ENGINEER
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STOCKTON SOCCER COMPLEX UPGRADES

LADDER LOGIC

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

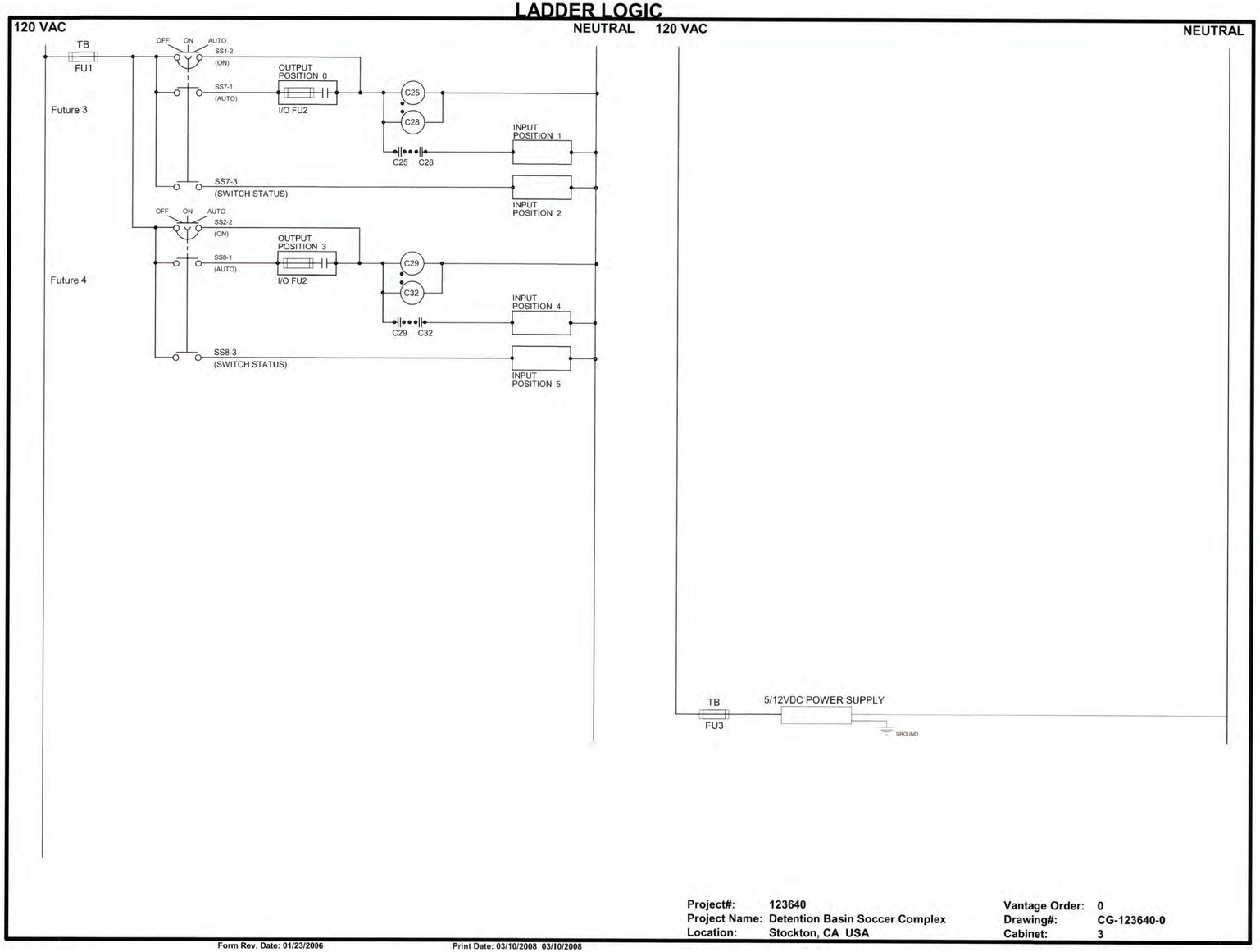
Revision No.	Description	Date	By	Apprvd. By

SCALE	AS SHOWN	APPROVED BY: DATE	SHEET NO. E2.12
DESIGNED BY	PJS/MJK		OF 51 SHEETS
DRAWN BY	RRG		PW1510
CHECKED BY	PJS	CITY ENGINEER STOCKTON, CALIFORNIA	PROJECT NO.
RECORD DWGS.			

5439.246

ATTACHMENT B

LADDER LOGIC



Project#:	**123640**	**Vantage Order:**	**0**
Project Name:	**Detention Basin Soccer Complex**	**Drawing#:**	**CG-123640-0**
Location:	**Stockton, CA USA**	**Cabinet:**	**3**

Form Rev. Date: 01/23/2006 **Print Date: 03/10/2008 03/10/2008**

REGISTERED PROFESSIONAL ENGINEER
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STOCKTON SOCCER COMPLEX UPGRADES

LADDER LOGIC

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SCALE	AS SHOWN	APPROVED BY:	SHEET NO.
DESIGNED BY	PJS/MJK	DATE	E2.13
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CHECKED BY	PJS	CITY ENGINEER	PW1510
RECORD DWGS.		STOCKTON, CALIFORNIA	PROJECT NO.

5479.256

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ATTACHMENT B

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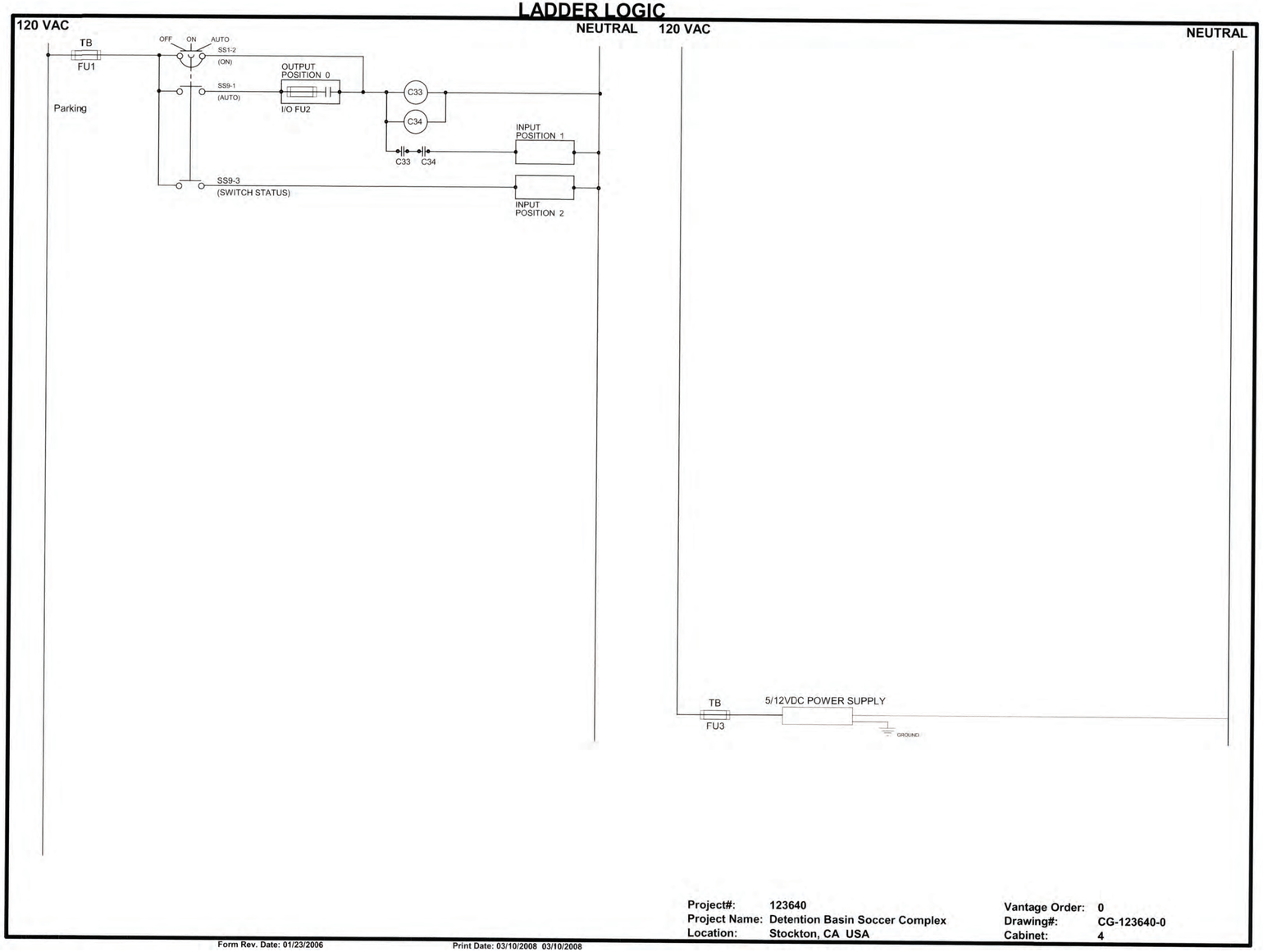

Project#: 123640
Project Name: Detention Basin Soccer Complex
Location: Stockton, CA USA

Vantage Order: 0
Drawing#: CG-123640-0
Cabinet: 4

Form Rev. Date: 01/23/2006

Print Date: 03/10/2008 03/10/2008

REGISTERED PROFESSIONAL ENGINEER
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DRAWN BY	RRG	CITY ENGINEER	PW1510
CHECKED BY	PJS	STOCKTON, CALIFORNIA	PROJECT NO.
RECORD DWGS.			

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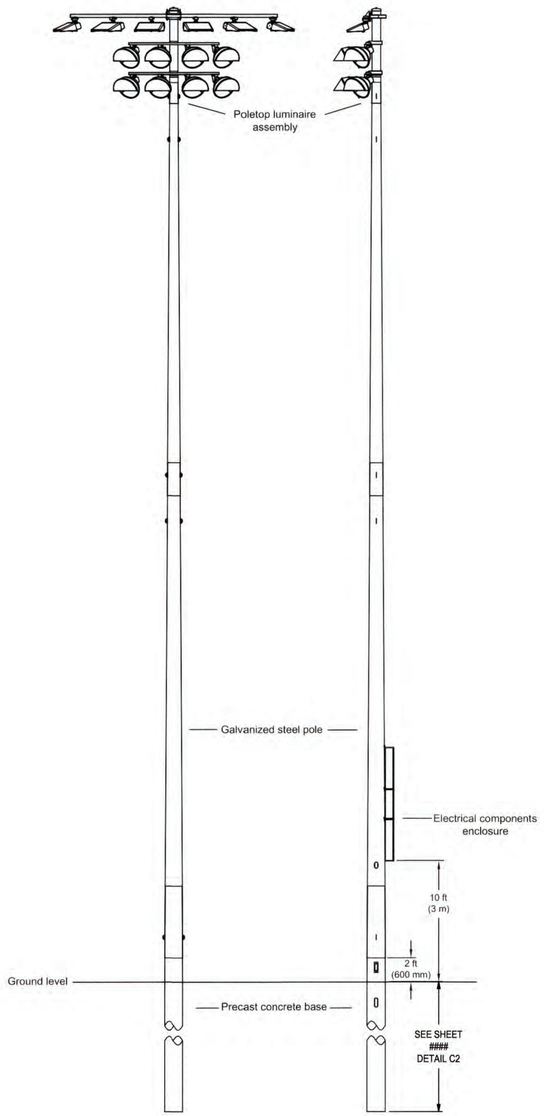
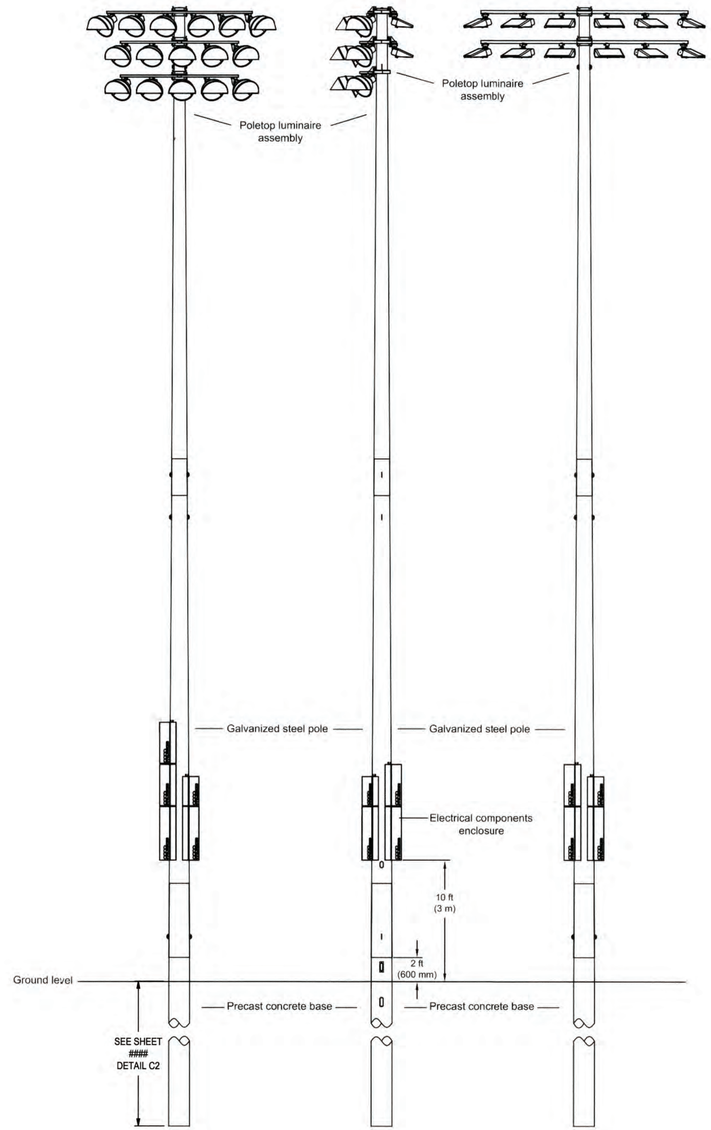
ATTACHMENT B



POLE(S): S3

Lighting 80FT Light-Structure System™ pole
Green Generation™ luminaires
(8) 1500W Musco Green Generation
(6) TLC-LED-1200



POLE(S): S6

Lighting 80FT Light-Structure System™ pole
TLC for LED™ luminaires
(16) 1500W Lighting Green Generation Front
(12) TLC-LED-1200 Back

REGISTERED PROFESSIONAL ENGINEER
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DATE SIGNED: 06/08/21

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STOCKTON SOCCER COMPLEX UPGRADES

POLE CONFIGURATION-S3 & S6

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY:	SHEET NO.
DESIGNED BY	PJS/MJK	DATE: 6/23/21	E2.15
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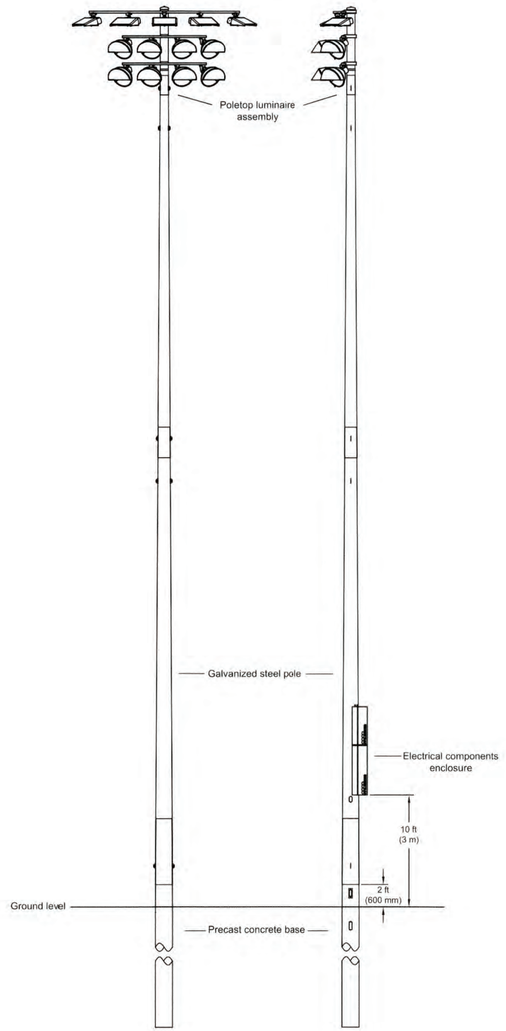
CHECKED BY	PJS	CITY ENGINEER	PW1510
RECORD DWGS.		STOCKTON, CALIFORNIA	PROJECT NO.

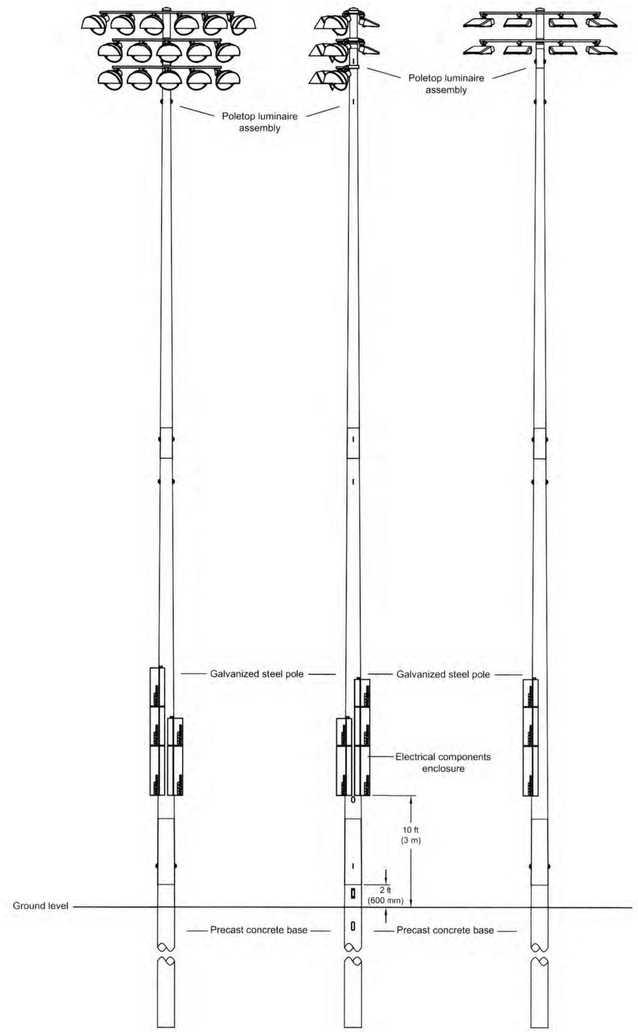
5439, 276

ATTACHMENT B



POLE(S): S7

Lighting 80FT Light-Structure System™ pole
TLC for LED™ luminaires
(8) 1500W Lighting Green Generation
(5) TLC-LED-1200



POLE(S): S8

Lighting 80FT Light-Structure System™ pole
TLC for LED™ luminaires
(16) 1500W Lighting Green Generation Front
(8) TLC-LED-1200 Back

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STATE OF CALIFORNIA

DATE SIGNED: 06/08/21

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STOCKTON SOCCER COMPLEX UPGRADES

POLE CONFIGURATION-S7 & S8

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

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DESIGNED BY	PJS/MJK	DATE 6/23/21	E2.16
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RECORD DWGS.		STOCKTON, CALIFORNIA	PROJECT NO.

5439.28C

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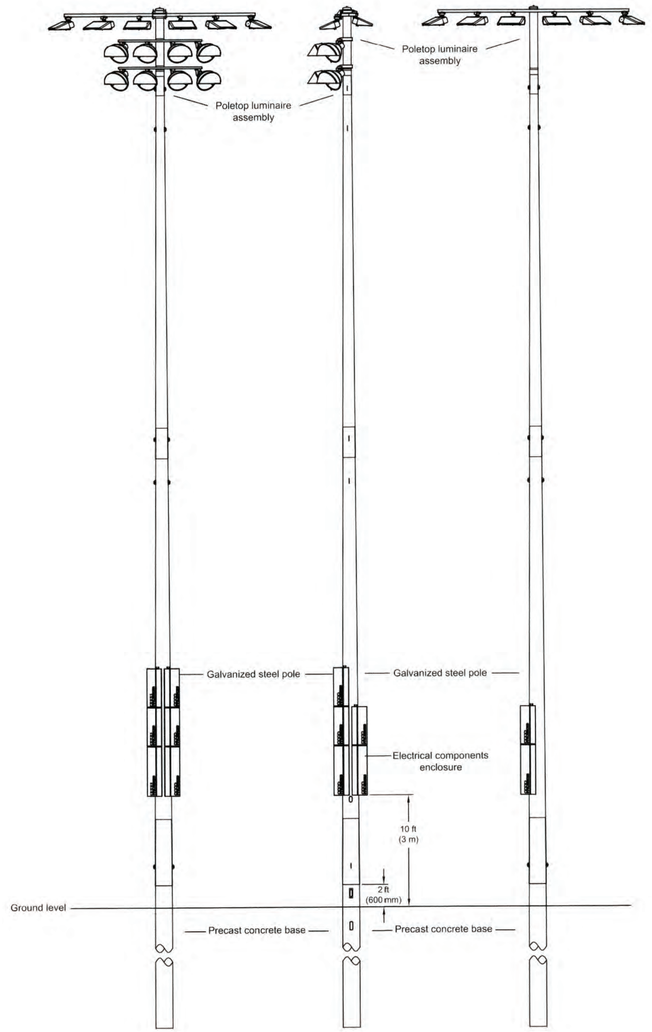
ATTACHMENT B



POLE(S): S9

Lighting 80FT Light-Structure System™ pole
TLC for LED™ luminaires
(8) 1500W Lighting Green Generation Front
(6) TLC-LED-1200 Front
(6) TLC-LED-1200 Back

REGISTERED PROFESSIONAL ENGINEER
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STOCKTON SOCCER COMPLEX UPGRADES

POLE CONFIGURATION-S9

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY:	SHEET NO.
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DRAWN BY	RRG		OF 51 SHEETS
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RECORD DWGS.		STOCKTON, CALIFORNIA	PROJECT NO.

5439.296

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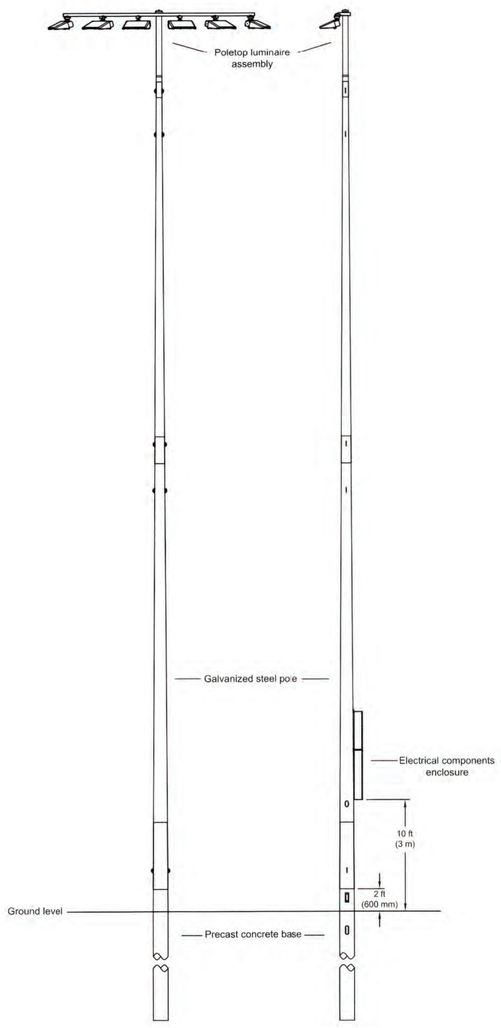
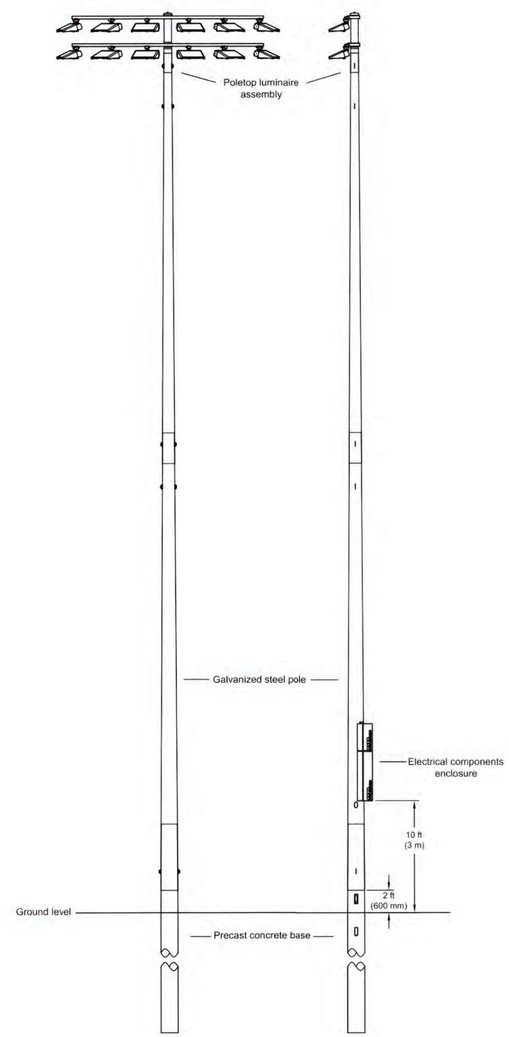


POLE(S): S10, S13, S15

Lighting 80FT Light-Structure System™ pole
TLC for LED™ luminaires
(6) TLC-LED-1200



POLE(S): S11, S12, S14

Lighting 80FT Light-Structure System™ pole
TLC for LED™ luminaires
(12) TLC-LED-1200

ATTACHMENT B

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STOCKTON SOCCER COMPLEX UPGRADES

POLE CONFIGURATION-S10 THRU S15

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY:	SHEET NO.
DESIGNED BY	PJS/MJK	DATE	E2.18
DRAWN BY	RRG		OF 51 SHEETS
CHECKED BY	PJS	CITY ENGINEER	PW1510
RECORD DWGS.		STOCKTON, CALIFORNIA	PROJECT NO.

5439.30C

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ATTACHMENT B

SCOPE OF WORK:

S10, S11, S12, S13, S14, S15 POLES:
NEW CONSTRUCTION OF MUSCO LIGHT POLE AND FOUNDATION AS INDICATED.

S3, S6, S7, S8, S9 EXISTING POLES:
ADDITION OF NEW LIGHT FIXTURES, CROSS-ARM SUPPORTS & BALLAST BOXES AS INDICATED.

POLE FOUNDATION SCHEDULE
(SEE LIGHT POLE FOUNDATION DETAIL)

LOCATION MARK	TYPE	ASD GROUNDLINE FORCES (MAXIMUM)			C.I.P. DEEP FOUNDATION		FOUNDATION DETAIL
		MOMENT (M) KIP-FT	SHEAR (V) KIPS	VERTICAL (P) KIPS *	DIAMETER INCHES	EMBEDMENT FEET	
S10, S13, S15	LSS80-A	64.460	1.286	2.197	30"	14'-0"	A/C2
S11, S12, S14	LSS80-B	91.730	1.771	3.532	36"	16'-0"	A/C2
RETROFIT AT EXISTING POLE & FOUNDATION							
S3	EXISTING LSS80-B	96.040	1.884	3.723	(E) 36"	(E) 16'-0"	B/C2
S7	EXISTING LSS80-B	84.200	1.739	3.583	(E) 36"	(E) 16'-0"	B/C2
S8	EXISTING LSS80-B	136.200	2.453	4.536	(E) 36"	(E) 16'-0"	B/C2
S9	EXISTING LSS80-B	129.550	2.357	4.252	(E) 36"	(E) 16'-0"	B/C2
S6	EXISTING LSS80-C	154.600	2.750	5.392	(E) 36"	(E) 18'-0"	B/C2

* VERTICAL FORCE DOES NOT INCLUDE WEIGHT OF PRECAST BASE. VERTICAL (P) LOAD IS THE DRESSED POLE WEIGHT FOR ERECTION PURPOSES.

NEW PRECAST BASE IDENTIFICATION

PRECAST BASE TYPE	WEIGHT LBS	OVERALL LENGTH FEET	HEIGHT ABOVE GRADE FEET	EMBEDMENT IN C.I.P. DEEP FOUNDATION FEET	OUTSIDE DIAMETER INCHES
4B	3,710	22'-0"	8'-0"	12'-0"	15.750"
5B	5,180	23'-11"	7'-11"	14'-0"	18.250"

GENERAL NOTES

ALL CONSTRUCTION AND WORKMANSHIP SHALL CONFORM TO THE CALIFORNIA BUILDING CODE, 2019 EDITION.

WIND- ASCE 7-16, Vult = 93 MPH (EXPOSURE C); Vasd = 72 MPH (EXPOSURE C), RISK CATEGORY II

SEISMIC - SS=0.651; S1=0.265; SDS=0.555; SD1=0.366; RISK CATEGORY=II; I=1.0; SITE CLASS=D; R=1.5; SEISMIC DESIGN CATEGORY=D; SEISMIC-FORCE-RESISTING-SYSTEM=NON-BUILDING STRUCTURE, NOT SIMILAR TO BUILDINGS; ANALYSIS PROCEDURE=EQUIVALENT LATERAL FORCE PROCEDURE.

REFERENCE POLE LOCATION DRAWING FOR ACTUAL POLE PLACEMENT AND SITE LOCATION.

THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ALL CONSTRUCTION PROCEDURES AND SAFETY CONDITIONS AT THE JOB SITE.

SOIL DESIGN PARAMETERS

REFERENCE CHAPTER 18, SECTIONS 1806, 1807, AND 1810 OF THE 2019 EDITION OF THE CALIFORNIA BUILDING CODE. ASSUME CLASS 5 SOILS.

ASSUMED ALLOWABLE END BEARING SOIL PRESSURE: 1,500 PSF (TABLE 1806.2) OR 250 PSF SKIN FRICTION (SECTION 1810.3.3.1.4)

ASSUMED ALLOWABLE LATERAL PASSIVE SOIL BEARING PRESSURE: 200 PSF/FT FOR ISOLATED POLES NOT ADVERSELY AFFECTED BY A 0.5 INCH MOTION AT THE GROUND SURFACE (SECTION 1806.3.4).

ASSUMED DESIGN SOIL PARAMETERS ARE AS NOTED. ACTUAL ALLOWABLE SOIL DESIGN PARAMETERS AT LEVEL OR SLOPING CONDITIONS (IF ANY) MUST BE VERIFIED BY A GEOTECHNICAl ENGINEER.

ENCOUNTERING SOIL FORMATIONS THAT WILL REQUIRE SPECIAL DESIGN CONSIDERATIONS OR EXCAVATION PROCEDURES MAY EXIST. POLE FOUNDATIONS MAY NEED TO BE REANALYZED ACCORDING TO THE SOIL CONDITIONS THAT EXIST.

IF ANY DISCREPANCIES OR INCONSISTENCIES ARISE, NOTIFY THE ENGINEER OF SUCH DISCREPANCIES. FOUNDATIONS WILL THEN BE REVISED ACCORDINGLY.

ALL PRECAST BASES AND CONCRETE BACKFILL MUST BEAR ON AND AGAINST FIRM, UNDISTURBED SOIL OR AS APPROVED BY A GEOTECHNICAL ENGINEER.

ALL EXCAVATIONS MUST BE FREE OF LOOSE SOIL AND DEBRIS PRIOR TO FOUNDATION INSTALLATION AND PLACEMENT OF CONCRETE BACKFILL. CASING MAY BE REQUIRED IF CAVING OCCURS. IN SUCH A CASE, APPROVAL BY A GEOTECHNICAL ENGINEER IS REQUIRED.

ALL EXCAVATIONS MUST BE FREE OF WATER OR CONCRETE SHALL BE PLACED WITH A TREMIE PIPE IN ACCORDANCE WITH ACI STANDARD 336. CONCRETE PLACED BY THE TREMIE METHOD SHALL HAVE A MINIMUM ULTIMATE STRENGTH OF 1,000 PSI GREATER THAN REQUIRED UNDER 'CONCRETE BACKFILL BELOW.

CONCRETE BACKFILL

CONCRETE BACKFILL WITHOUT STEEL REINFORCEMENT SHALL HAVE A MINIMUM ULTIMATE COMPRESSIVE STRENGTH AT 28 DAYS OF 3,000 PSI (2,500PSI USED FOR STRUCTURAL DESIGN). SEE STATEMENT OF SPECIAL INSPECTIONS REQUIRED.

CONCRETE BACKFILL SHALL ATTAIN A MINIMUM STRENGTH OF 2,500 PSI PRIOR TO STEEL POLE ERECTION.

USE TYPE II/V PORTLAND CEMENT OR AS RECOMMENDED BY THE ENGINEER.

MIX IN CONFORMANCE WITH ASTM C-94

AGGREGATES PER ASTM C-33, (1" MAX AGG. SIZE), 3/8" MAX AGG. SIZE ACCEPTABLE WHERE PUMP MIXES ARE USED FOR UNREINFORCED CONCRETE BACKFILL.

PLACE CONCRETE IMMEDIATELY AFTER COMPLETION OF EXCAVATION AND INSPECTION BY THE GEOTECHNICAL ENGINEER. NO EXCAVATIONS SHALL BE LEFT UNPROTECTED OR OPEN OVERNIGHT.

CONCRETE SHALL BE PLACED IN ONE CONTINUOUS OPERATION (NO CONSTRUCTION JOINT) TO GRADE, WITH SPECIAL EQUIPMENT, WITH A MAXIMUM FREEFALL OF 5 FT AND TO PREVENT CONCRETE FROM STRIKING THE SIDES OF THE EXCAVATION. VIBRATE TOP 5 FT.

MISCELLANEOUS

FIXTURES MUST BE LOCATED TO MAINTAIN 10'-0" MINIMUM HORIZONTAL CLEARANCE FROM ANY OBSTRUCTION.

POLES, FIXTURES, PRECAST BASES, ELECTRICAL ITEMS, PLATFORMS, SPECIFICATIONS, AND INSTALLATION PER MUSCO LIGHTING, INC.

NOTE: FIELD VERIFY EXISTING POLE CONDITIONS & REPAIR ANY DEFECTS. IF FOUND, REPAIR PROCEDURES AND DETAILS TO BE REVIEWED AND APPROVED BY STRUCTURAL ENGINEER OF RECORD.

REGISTERED PROFESSIONAL ENGINEER
JOSH KANVAL
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Exp. 6-30-21
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Revision No.	Description	Date	By	Apprvd. By

STOCKTON SOCCER COMPLEX UPGRADES

POLE SUPPORT FOUNDATION

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY: DATE	SHEET NO. E2.19
DESIGNED BY	PJS/MJK		OF 51 SHEETS
DRAWN BY	RRG		PW1510 - PROJECT NO.
CHECKED BY	PJS	CITY ENGINEER	
RECORD DWGS.		STOCKTON, CALIFORNIA	

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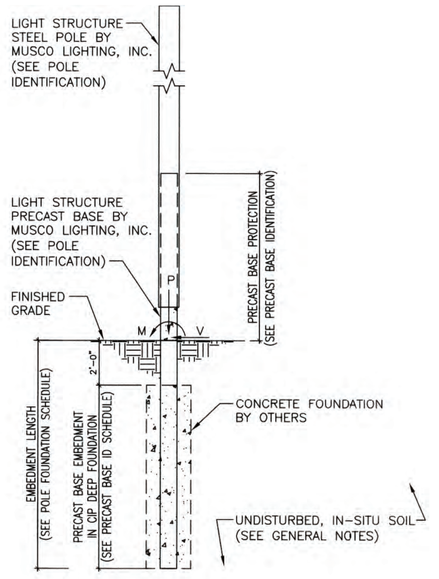
ATTACHMENT B

NEW POLE IDENTIFICATION				
LOCATION MARK	POLE TYPE	PRECAST BASETYPE	FIXTURE CONFIGURATION (MAX # OF FIXTURES PER CROSSARM)	FIXTURE EPA (MAXIMUM)
S10, S13, S15	LSS80-A	4B	6 LED1200	10.8
S11, S12, S14	LSS80-B	5B	12(6+6) LED1200	19.2

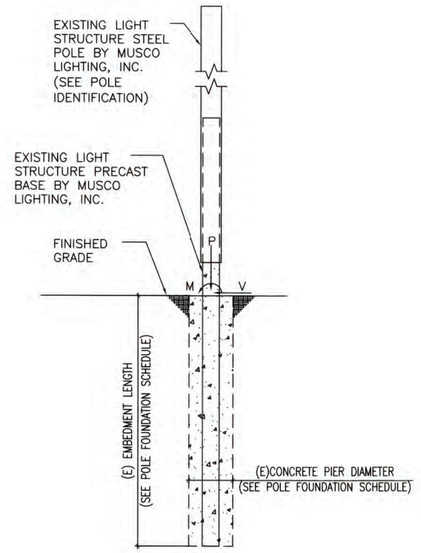
LED1200 FIXTURE: EPA = 1.8 SQ-FT MAX & WEIGHT = 45 LBS (FIXTURE ALONE), PER MUSCO LIGHTING, INC.

EXISTING POLE IDENTIFICATION				
LOCATION MARK	POLE TYPE	PRECAST BASETYPE	FIXTURE CONFIGURATION (MAX # OF FIXTURES PER CROSSARM)	FIXTURE EPA (MAXIMUM)
S3	LSS80-B	5B	14(6LED1200+4LSG+4LSG)	27.8
S7	LSS80-B	5B	13(5LED1200+4LSG+4LSG)	24.0
S8	LSS80-B	5B	8(4+4)LED1200 / 16(6+5+5)LSG	48.8
S9	LSS80-B	5B	6LED1200 / 14(6LED1200+4 LSG+4LSG)	38.0
S6	LSS80-C	6B	12(6+6)LED1200 / 16(6+5+5)LSG	51.6

LED1200 FIXTURE: EPA = 1.7 SQ-FT MAX & WEIGHT = 45 LBS (FIXTURE ALONE), PER MUSCO LIGHTING, INC.
LSG FIXTURE: EPA = 2.2 SQ-FT MAX & WEIGHT = 40 LBS (INCLUDING CROSSARM), PER MUSCO LIGHTING, INC.



A LIGHT POLE FOUNDATION DETAIL
SCALE: NO SCALE



B (E) LIGHT POLE FOUNDATION DETAIL
SCALE: NO SCALE

STATEMENT OF SPECIAL INSPECTIONS*		
ITEM	CONTINUOUS/PERIODIC	SCOPE
1. PIER FOUNDATIONS	CONTINUOUS	INSPECT INSTALLATION OF DRILLED PIER FOUNDATIONS. VERIFY DIAMETER, EMBEDMENT DEPTHS AS SCHEDULED, DEPTHS OF FILL, AND BEARING STRATA
2. CONCRETE PLACEMENT	CONTINUOUS	INSPECT PLACEMENT OF CONCRETE FOR PROPER APPLICATION TECHNIQUES. VERIFY THAT CONCRETE CONVEYANCE AND DEPOSITING AVOIDS SEGREGATION OR CONTAMINATION. VERIFY THAT CONCRETE IS PROPERLY CONSOLIDATED.
3. CRETEX PRECAST/ PRESTRESSED CONCRETE BASES	(PCI CERTIFIED)	FABRICATOR EXEMPT.** REFERENCE ICC ESR-3765.
4. STRUCTURAL STEEL	(L.A. CITY APPROVED)	FABRICATOR EXEMPT.** REVIEW CERTIFIED MILL TESTS REPORTS AND IDENTIFICATION MARKINGS.

* The Special Inspector shall be a qualified person who shall demonstrate competence, to the satisfaction of the Building Official, for inspection of the particular type of construction or operation requiring special inspection.
**Special inspections shall not be required when the work is done on the premises of a fabricator registered and approved by the City to perform such work without special inspection.

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STOCKTON SOCCER COMPLEX UPGRADES

POLE SUPPORT FOUNDATION

Revision No.	Description	Date	By	Apprvd. By

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY:	SHEET NO.
DESIGNED BY	PJS/MJK	DATE	E2.20
DRAWN BY	RRG		OF 51 SHEETS
CHECKED BY	PJS	CITY ENGINEER STOCKTON, CALIFORNIA	PW1510
RECORD DWGS.			PROJECT NO.

5439.32C

F:\1Bprojects\19128 COS Stockton Soccer Complex Upgrades\Plans and Graphics\Improvement Plans\19128-E2.20-LIGHTING PHOTOMETRICS XXL.dwg — 06/08/21

Control System Summary

Project Specific Notes:

Project Information

Project #:	195911
Project Name:	Stockton Soccer Complex
Date:	04/23/20
Project Engineer:	Vashon Alexander
Sales Representative:	Bob Crookham
Control System Type:	Control-Link™ Control and Monitoring System
Communication Type:	PowerLine-ST
Scan:	195911C
Document ID:	195911P1V1-0423164607
Distribution Panel Location or ID:	Service #1
Total # of Distribution Panel Locations for Project:	1
Design Voltage/Hertz/Phase:	480/60/3
Control Voltage:	120

Equipment Listing

DESCRIPTION	APPROXIMATE SIZE
1.Control and Monitoring Cabinet	24 X 72
2.Control and Monitoring Cabinet	24 X 48

	QTY	SIZE (AMPS)
Total Contactors	16	30 AMP
Total Off/On/Auto Switches:	4	

Materials Checklist

Contractor/Customer Supplied:

- ❑ A dedicated control circuit must be supplied per distribution panel location
  - — If the control voltage is NOT available, a control transformer is required
- ❑ Electrical distribution panel to provide overcurrent protection for circuits
  - — HID rated or D-curve circuit breaker sized per full load amps on Circuit Summary by Zone Chart
- ❑ Wiring
  - — See chart on page 2 for wiring requirements
  - — Equipment grounding conductor and splices must be insulated (per circuit)
  - — Lightning ground protection (per pole), if not Lighting supplied
- ❑ Electrical conduit wireway system
  - — Entrance hubs rated NEMA 4, must be die-cast zinc, PVC, or copper-free die-cast aluminum
- ❑ Mounting hardware for cabinets
- ❑ Breaker lock-on device to prevent unauthorized power interruption to control power and powerline connection (if present)
- ❑ Anti-corrosion compound to apply to ends of wire, if necessary

Call Control-Link Central™ operations center at 877/347-3319 to schedule activation of the control system upon completion of the installation.

Note: Activation may take up to 1 1/2 hours.

IMPORTANT NOTES

1. Please confirm that the design voltage listed above is accurate for this facility. Design voltage/phase is defined as the voltage/phase being connected and utilized at each lighting pole's electrical components enclosure disconnect. Inaccurate design voltage/phase can result in additional costs and delays. Contact your Lighting sales representative to confirm this item.
2. In a 3 phase design, all 3 phases are to be run to each pole. When a 3 phase design is used Lighting's single phase luminaires come pre-wired to utilize all 3 phases across the entire facility.
3. One contactor is required for each pole. When a pole has multiple circuits, one contactor is required for each circuit. All contactors are 100% rated for the published continuous load. All contactors are 3 pole.
4. If the lighting system will be fed from more than one distribution location, additional equipment may be required. Contact your Lighting sales representative.
5. A single control circuit must be supplied per control system.
6. Size overcurrent devices using the full load amps column of the Circuit Summary By Zone chart- Minimum power factor is 0.9.

NOTE: Refer to Installation Instructions for more details on equipment information and the installation requirements.

Form: T-5030-1

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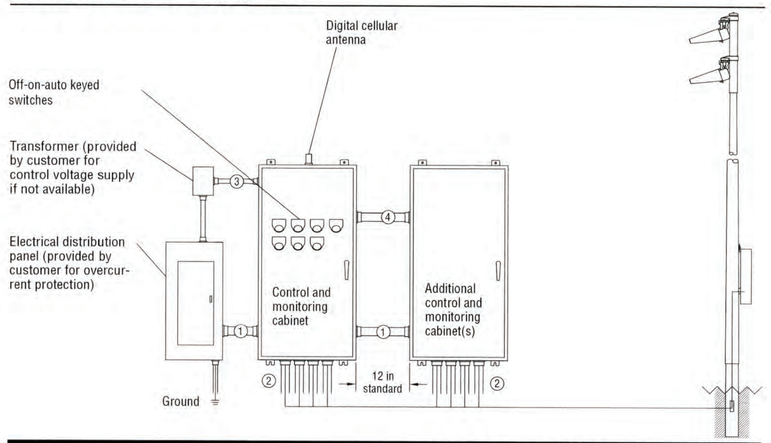
Control System Summary

Control•Link®
Control and Monitoring System



Conduit ID	Description	# of Wires	Wire (AWG)	Conduit (in)	Max. Wire Length (ft)	MUSCO Supplied	Notes
1	Line power to contactors, and equipment grounding conductor	*A	*B	*C	N/A	No	A-E
1	Power-line Communication Connection (dedicated, 20A)	*A	12	*C	N/A	No	A-E
2	Load power to lighting circuits, and equipment grounding conductor	*A	*B	*C	N/A	No	A-E
3	Control power (dedicated, 20A)	3	12	*C	N/A	No	C,E
4	Control harnesses	*F	12	2	*F	Yes	C,E,F

R60-101-00_A

* Notes:

A. See voltage and phasing per the notes on cover page.
B. Calculate per load and voltage drop.
C. All conduit diameters should be per code unless otherwise specified to allow for connector size.
D. Equipment grounding conductor and any splices must be insulated.
E. Refer to control and monitoring system installation instructions for more details on equipment information and the installation requirements.
F. Harness is provided in 8-ft length.

IMPORTANT: Control wires (3,4) must be in separate conduit from line and load power wires (1, 2).

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ATTACHMENT B

REGISTERED PROFESSIONAL ENGINEER
PAUL J. SCHNEIDER
No. 62498
Exp. 09/30/21
CIVIL
STATE OF CALIFORNIA

DATE SIGNED: 06/08/21

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Revision No.	Description	Date	By	Apprvd. By

STOCKTON SOCCER COMPLEX UPGRADES

CONTROL SYSTEM SUMMARY

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY:	SHEET NO.
DESIGNED BY	PJS/MJK	DATE 6/23/21	E2.23
DRAWN BY	RRG		OF 51 SHEETS
CHECKED BY	PJS	CITY ENGINEER	PW1510
RECORD DWGS.		STOCKTON, CALIFORNIA	PROJECT NO.

5439.336

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ATTACHMENT B

Control System Summary

SWITCHING SCHEDULE

Field/Zone Description	Zones
Soccer 5	4
Soccer 6	5
Multipurpose 1	6
Multipurpose 2	7

CONTROL POWER CONSUMPTION	
120V Single Phase	
VA loading of Lighting Supplied Equipment	INRUSH: 4493.0
	SEALED: 491.8

CIRCUIT SUMMARY BY ZONE

POLE	CIRCUIT DESCRIPTION	# OF FIXTURES	# OF DRIVERS	*FULL LOAD AMPS	CONTACTOR SIZE (AMPS)	CONTACTOR ID	ZONE
S3	Soccer 5	6	6	**10.5**	30	C1	4
S6	Soccer 5	6	6	**10.5**	30	C2	4
S10	Soccer 5	6	6	**10.5**	30	C3	4
S11	Soccer 5	6	6	**10.5**	30	C4	4
S6	Soccer 6	6	6	**10.5**	30	C5	5
S9	Soccer 6	6	6	**10.5**	30	C6	5
S11	Soccer 6	6	6	**10.5**	30	C7	5
S12	Soccer 6	6	6	**10.5**	30	C8	5
S9	Multipurpose 1	6	6	**10.5**	30	C9	6
S12	Multipurpose 1	6	6	**10.5**	30	C10	6
S13	Multipurpose 1	6	6	**10.5**	30	C11	6
S14	Multipurpose 1	6	6	**10.5**	30	C12	6
S7	Multipurpose 2	5	5	**10.5**	30	C13	7
S8	Multipurpose 2	8	8	**15.7**	30	C14	7
S14	Multipurpose 2	6	6	**10.5**	30	C15	7
S15	Multipurpose 2	6	6	**10.5**	30	C16	7

*Full Load Amps based on amps per driver.

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Control System Summary

PANEL SUMMARY

CABINET #	CONTROL MODULE LOCATION	CONTACTOR ID	CIRCUIT DESCRIPTION	FULL LOAD AMPS	DISTRIBUTION PANEL ID (BY OTHERS)	CIRCUIT BREAKER POSITION (BY OTHERS)
1	1	C1	Pole S3	10.50		
1	1	C2	Pole S6	10.50		
1	1	C3	Pole S10	10.50		
1	1	C4	Pole S11	10.50		
1	1	C5	Pole S6	10.50		
1	1	C6	Pole S9	10.50		
1	1	C7	Pole S11	10.50		
1	1	C8	Pole S12	10.50		
1	1	C9	Pole S9	10.50		
1	1	C10	Pole S12	10.50		
1	1	C11	Pole S13	10.50		
1	1	C12	Pole S14	10.50		
2	1	C13	Pole S7	10.50		
2	1	C14	Pole S8	15.74		
2	1	C15	Pole S14	10.50		
2	1	C16	Pole S15	10.50		

ZONE SCHEDULE

ZONE	SELECTOR SWITCH	ZONE DESCRIPTION	CIRCUIT DESCRIPTION	
			POLE ID	CONTACTOR ID
Zone 4	1	Soccer 5	S3 S6 S10 S11	C1 C2 C3 C4
Zone 5	2	Soccer 6	S6 S9 S11 S12	C5 C6 C7 C8
Zone 6	3	Multipurpose 1	S9 S12 S13 S14	C9 C10 C11 C12
Zone 7	4	Multipurpose 2	S7 S8 S14 S15	C13 C14 C15 C16

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REGISTERED PROFESSIONAL ENGINEER
PAUL J. SCHNEIDER
No. 62498
Exp. 09/30/21
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STATE OF CALIFORNIA

DATE SIGNED: 06/08/21

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Revision No.	Description	Date	By	Apprvd. By

STOCKTON SOCCER COMPLEX UPGRADES

CONTROL SYSTEM SUMMARY

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN
DESIGNED BY	PJS/MJK
DRAWN BY	RRG
CHECKED BY	PJS
RECORD DWGS.	

APPROVED BY: _____ DATE
CITY ENGINEER
STOCKTON, CALIFORNIA

SHEET NO. E2.22 OF 51 SHEETS
PROJECT NO. PW1510

5439.346

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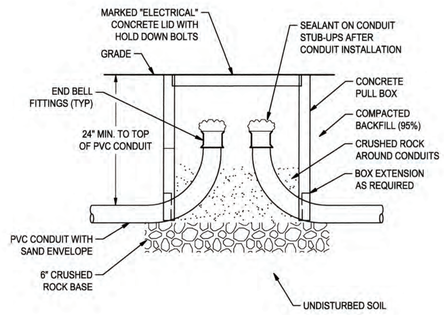
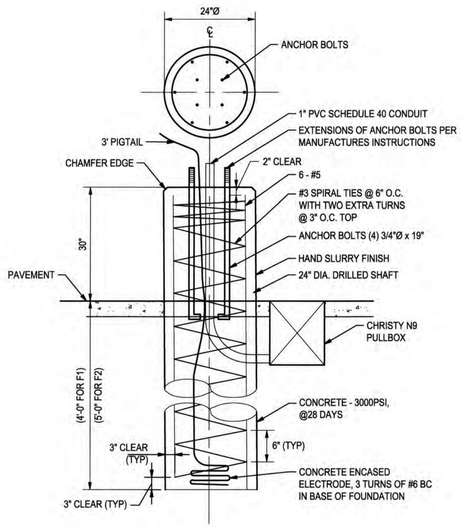
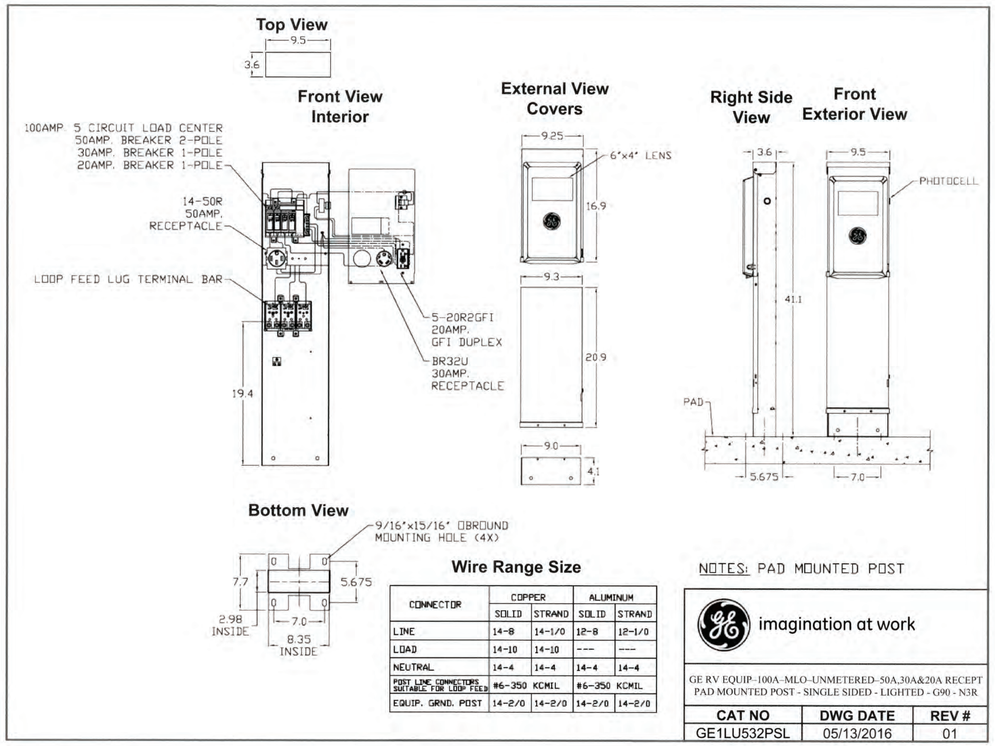


1 PULLBOX
NOT TO SCALE



2 AREA LIGHT POLE FOUNDATION (F1 & F2)
NOT TO SCALE



CONNECTOR	COPPER		ALUMINUM	
	SOLID	STRAND	SOLID	STRAND
LINE	14-8	14-1/0	12-8	12-1/0
LOAD	14-10	14-10	---	---
NEUTRAL	14-4	14-4	14-4	14-4
POST LINE CONNECTORS SUITABLE FOR LOOP FEED	#6-350 KCMIL		#6-350 KCMIL	
EQUIP. GRND. POST	14-2/0	14-2/0	14-2/0	14-2/0

3 FOOD TRUCK PEDESTAL
NOT TO SCALE

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DATE SIGNED: 06/08/21

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Revision No.	Description	Date	By	Apprvd. By

STOCKTON SOCCER COMPLEX UPGRADES

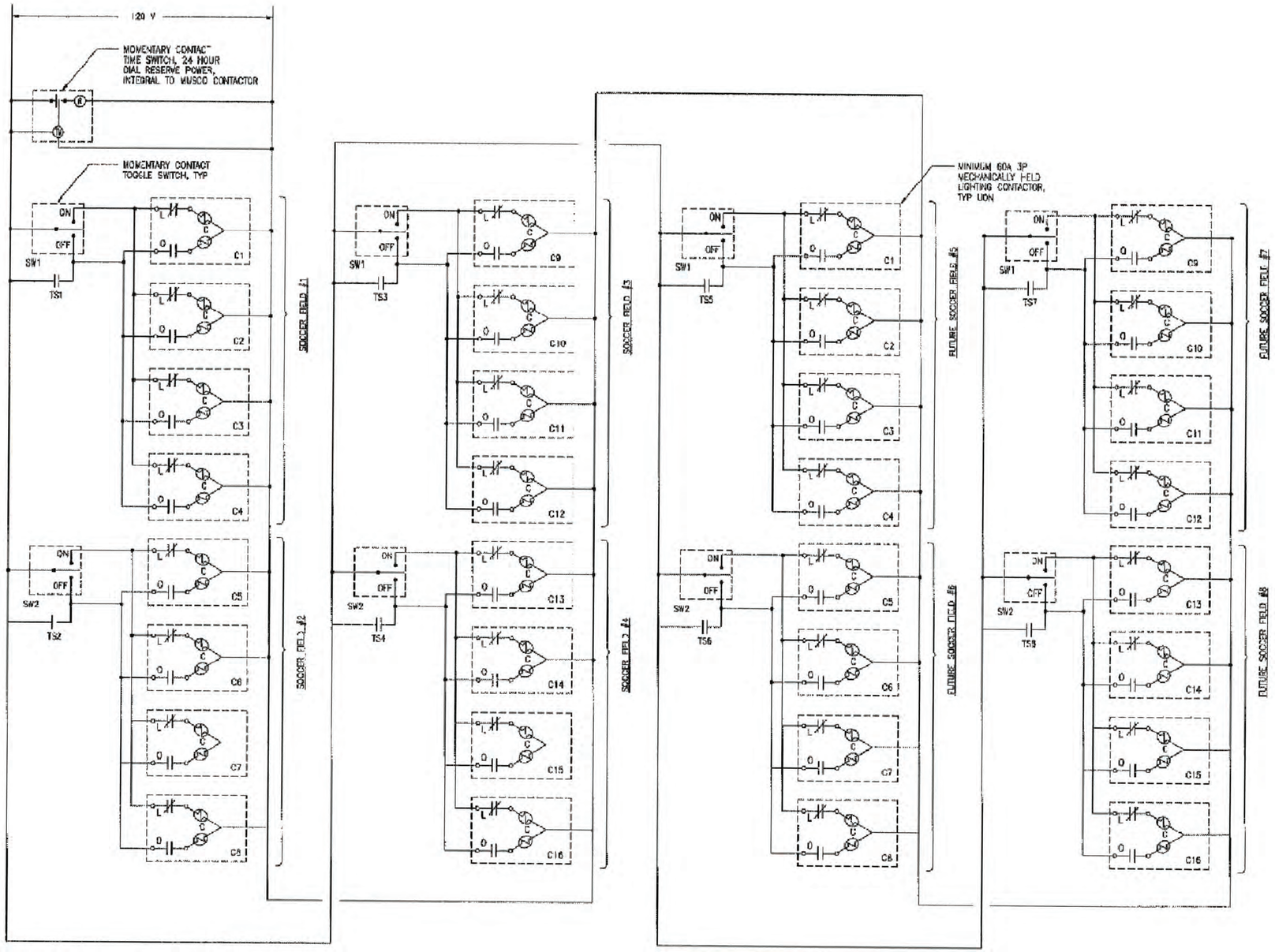
ELECTRICAL DETAILS

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY:	SHEET NO.
DESIGNED BY	PJS/MJK	DATE	E3.0
DRAWN BY	RRG		OF 51 SHEETS
CHECKED BY	PJS	CITY ENGINEER	PW1510 -
RECORD DWGS.		STOCKTON, CALIFORNIA	PROJECT NO.

5439,356

ATTACHMENT B



AS-BUILT
SPORTS FIELD LIGHTING CONTROL DIAGRAM
NOT TO SCALE

SPORTS FIELD LIGHTING AND POLE SCHEDULE

POLE			LUMINAIRES		ELECTRICAL LOAD, KVA
POLE	FIELD	MOUNTING HEIGHT	QUANTITY PER POLE	LAMP TYPE	PER FIXTURE
S1	SOCCER1	80'	8	1500W MZ	1.6
S2	SOCCER1	80'	8	1500W MZ	1.6
	SOCCER2	80'	8	1500W MZ	1.6
S3	SOCCER2	80'	8	1500W MZ	1.6
S4	SOCCER1	80'	8	1500W MZ	1.6
	SOCCER3	80'	8	1500W MZ	1.6
S5	SOCCER1	80'	8	1500W MZ	1.6
	SOCCER2	80'	8	1500W MZ	1.6
	SOCCER3	80'	8	1500W MZ	1.6
	SOCCER4	80'	8	1500W MZ	1.6
S6	SOCCER2	80'	8	1500W MZ	1.6
	SOCCER4	80'	8	1500W MZ	1.6
S7	SOCCER3	80'	8	1500W MZ	1.6
S8	SOCCER3	80'	8	1500W MZ	1.6
	SOCCER4	80'	8	1500W MZ	1.6
S9	SOCCER4	80'	8	1500W MZ	1.6

SPORTSFIELD LIGHTS = 4 FIELDS X 32 FIXTURES / FIELD X 1.6 KVA / FIXTURE = 205 KVA

FUTURE SPORTSFIELD LIGHTS = 4 FIELDS X 32 FIXTURES / FIELD X 1.6 KVA / FIXTURE = 205 KVA

PARKING LIGHTS = 19 FIXTURES X 0.25 KVA / FIXTURE = 5 KVA

PATHWAY LIGHTS = 4 FIXTURES X 0.12 KVA / FIXTURE = 0.5 KVA

SUBTOTAL = 416 KVA

LIGHTING CONTINUOUS LOAD = 416 KVA X 1.25 = 519 KVA

CANAL PUMP = 1.25 X 60 HP / 1 PUMP X 77 FLA X 0.831 KVA / 60 HP = 80 KVA

DOMESTIC PUMP = 60 HP / 1 PUMP X 77 FLA X 0.831 KVA / 60 HP = 64 KVA

MAINTENANCE BUILDING = 100A X 0.24 KV = 24 KVA

CONCESSION BUILDING = 100A X 0.24 KV = 24 KVA

MISCELLANEOUS LOADS = 2 KVA

TOTAL = 713 KVA

CONNECTED @ 277/480V, 3Ø = 858 A

DEMAND LIGHTING (534 KVA) = 653 A

MAIN CIRCUIT BREAKER = 800 A (100% FULLY RATED)

REGISTERED PROFESSIONAL ENGINEER
PAUL J. SCHNEIDER
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STATE OF CALIFORNIA

DATE SIGNED: 06/08/21

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STOCKTON SOCCER COMPLEX UPGRADES

ELECTRICAL DETAILS

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY:	SHEET NO.
DESIGNED BY	PJS/MJK	DATE	E3.1
DRAWN BY	RRG		OF 51 SHEETS
CHECKED BY	PJS	CITY ENGINEER	PW1510
RECORD DWGS.		STOCKTON, CALIFORNIA	PROJECT NO.

5439.36C

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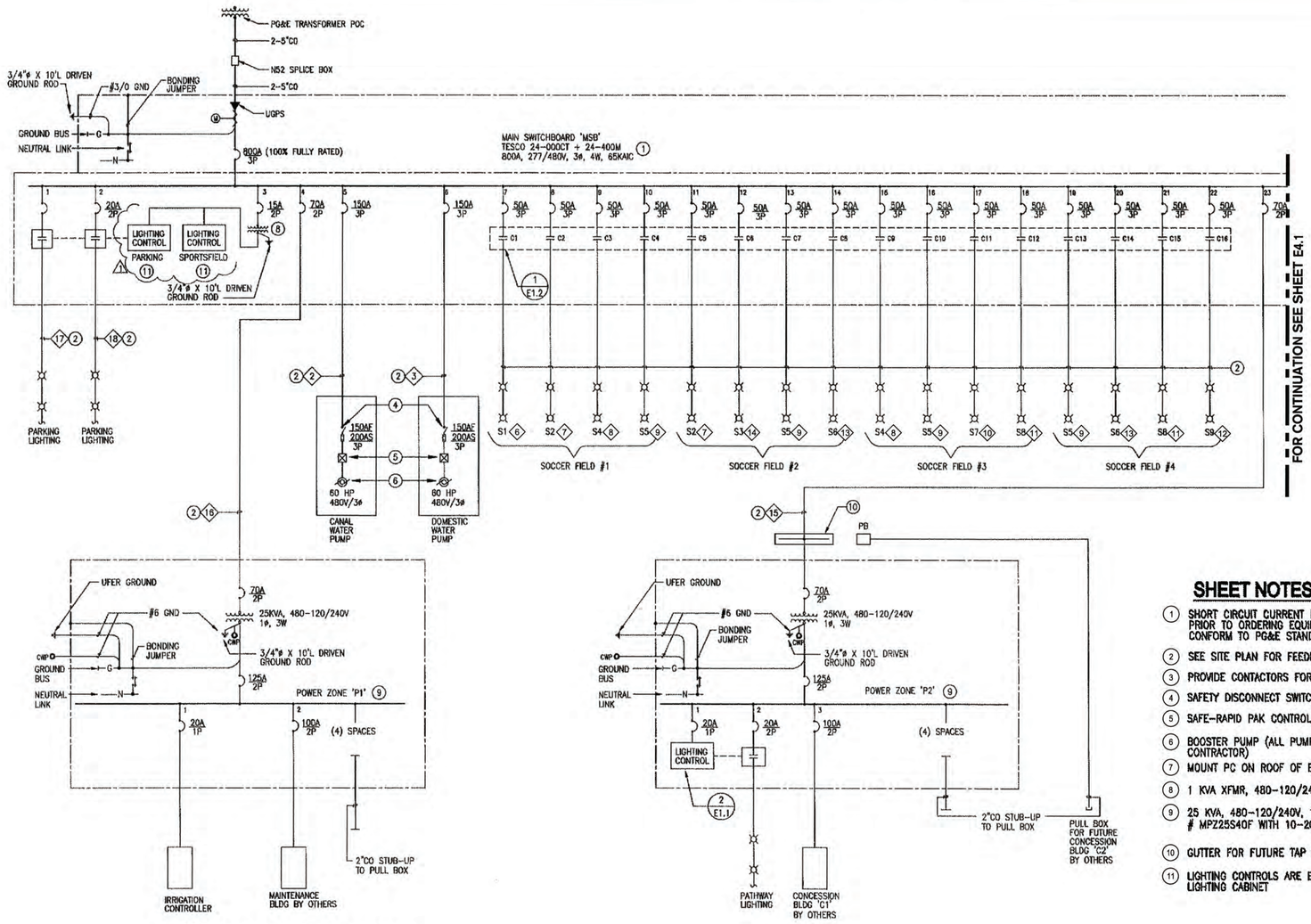
ATTACHMENT B



1 AS-BUILT SINGLE LINE DIAGRAM

NOT TO SCALE

SHEET NOTES:

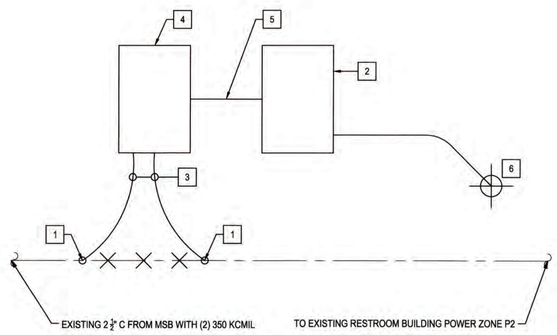
1. SHORT CIRCUIT CURRENT RATING SHALL BE VERIFIED WITH PG&E PRIOR TO ORDERING EQUIPMENT. ELECTRICAL INSTALLATION SHALL CONFORM TO PG&E STANDARDS
2. SEE SITE PLAN FOR FEEDER SIZE
3. PROVIDE CONTACTORS FOR FUTURE SPORTSFILED LIGHTING
4. SAFETY DISCONNECT SWITCH AT PUMP PAD, PROVIDED BY OTHERS
5. SAFE-RAPID PAK CONTROL VFD
6. BOOSTER PUMP (ALL PUMP CONTROLS AND WIRING BY IRRIGATION CONTRACTOR)
7. MOUNT PC ON ROOF OF BUILDING FACING NORTH
8. 1 KVA XFMR, 480-120/240V, 1ø, 3W
9. 25 KVA, 480-120/240V, 1ø, 3W POWER ZONE SQUARE 'D' # MP225S40F WITH 10-20A/1P AND 1-100A/2P CIRCUIT BREAKERS
10. GUTTER FOR FUTURE TAP TO FUTURE CONCESSION BLDG 'C2'
11. LIGHTING CONTROLS ARE BY MUSCO AND LOCATED AT MUSCO LIGHTING CABINET

EXISTING PER AS-BUILT PLANS
MODIFY AS NOTED
INSTALL WIRE AND PULL WIRE AS NOTED
PROPOSED

FEEDER SCHEDULE

TAG	CIRCUIT DESCRIPTION	CONDUIT	WIRE	GND
1	SECONDARY SERVICE	2-5"		
2	CANAL WATER PUMP (60HP)	2"	3 #2	#6
3	DOMESTIC WATER PUMP (60 HP)	2"	3 #2	#6
4	PANEL "M" (MAINTENANCE BUILDING)		BY OTHERS	
5	PANEL "C" (CONCESSION BUILDING)		BY OTHERS	
6	S1 (FIELD 1)	2"	3 #6	#6
7	S2 (FIELD 1, 2)	2" 2"	6 #6 3 #6	#6 #6
8	S4 (FIELD 1, 3)	2"	6 #6	#6
9	S5 (FIELD 1, 2, 3, 4)	2" 2" 2"	6 #6 6 #6 6 #6	#6 #6 #6
10	S7 (FIELD 3) S7 (FIELD 8)	2" 2"	3 #6 6 #6	#6 #6
11	S8 (FIELD 3, 4) S8 (FIELD 8)	2" 2" 2" 2"	3 #6 6 #6	#6 #6 #6 #6
12	S9 (FIELD 4) S9 (FIELD 3) S9 (FIELD 6, 7, 8)	2" 2" 2" 2" 2" 2" 2"	6 #6 6 #6 6 #6 6 #6 6 #6 6 #6	#6 #6 #6 #6 #6 #6
13	S6 (FIELD 2, 4) S6 (FIELD 5, 6)	2" 2"	6 #6 6 #6	#6 #6
14	S3 (FIELD 2, 1) S3 (FIELD 5)	2" 2" 2"	6 #6 6 #6	#6 #6 #6
15	CONCESSION BLDG POWER ZONE P2	2 1/2"	2 #350	
16	MAINTENANCE BLDG POWER ZONE P1	2"	2 #2/0	
17	PARKING LIGHTS CKT 1	2"	2 #6	#6
18	PARKING LIGHTS CKT 2	2	2 #6	#6
19	S13 (FIELD 7)	2"	6 #6	#6
20	S12 (FIELD 7, 6)	2" 2"	6 #6 6 #6	#6
21	S11 (FIELD 7, 6, 5)	2" 2" 2" 2"	6 #6 6 #6 6 #6	#6
22	S15 (FIELD 8)	2"	6 #6	#6
23	S14 (FIELD 8, 7)	2"	6 #6	#6
24	RESTROOM RAMP (FROM RESTROOM PANEL)	2"	2 #6	1 #6

3 FEEDER SCHEDULE



KEY NOTES:

1. LOCATE, INTERCEPT, AND EXTEND EXISTING FEEDER OVER TO NEW PANEL SYSTEM FOR SERVICE TO THE NEW RESTROOM BUILDING, SEE SHEET C5.0. NEW CONDUCTORS AND CONDUIT SHALL MATCH EXISTING FEEDER.
2. PROVIDE 25 kVA, 480-120/240V, 1Ø, 3W INTEGRAL TRANSFORMER/PANEL (SQUARE D, MINI POWER ZONE, #MPZ25S40F). INCLUDE 70A/2P PRIMARY BREAKER 125A/2P SECONDARY BREAKER, AND (4) 20A/1P BREAKERS. PROVIDE (5) 20 AMP BREAKER FOR CONNECTION TO MANUFACTURED BUILDING. COORDINATE BUILDING POWER CONNECTION REQUIREMENTS WITH BUILDING VENDOR. PROVIDE A PANEL SCHEDULE FOR ALL LOADS, CLEARLY NAMED.
3. PROVIDE NEW FEEDER TO MATCH EXISTING, (2) 350 KCMIL IN 2 1/2" C. EXTEND TO EXISTING FEEDER ON BOTH SIDES OF THE NEW BUILDING.
4. PROVIDE 480V PANEL, 400A MLO, 1Ø, 3W, COPPER BUS, NEMA 3R. INCLUDE 70A/2P BREAKER FOR OUTGOING FEEDER TO EXISTING BUILDING (PROVIDE OVERSIZED BREAKER FRAME SERIES, 400A, OF BREAKER TO LAND 350 KCMIL FEEDERS). INCLUDE NEW 70A/2P BREAKER TO SERVE NEW RESTROOM BUILDING. PROVIDE A PANEL SCHEDULE FOR ALL LOADS, CLEARLY NAMED. COORDINATE KAIC VALUES WITH EXISTING MSB PANEL SHALL DOUBLE LUGS, OR FEED THROUGH LUGS TO TERMINATE INCOMING, AND OUTGOING FEEDERS.
5. PROVIDE 70 AMP FEEDER, (2) #4 AWG & (1) #8 AWG CU, IN 1.0" CONDUIT
6. PROVIDE 3/4" X 10' DRIVEN GROUND ROD WITH #6 INSULATED GROUND CONDUCTOR IN 0.75" CONDUIT TO PANEL FOR SEPARATELY DERIVED SOURCE.

2 NEW RESTROOM ELECTRICAL SCHEMATIC

NOT TO SCALE

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REGISTERED PROFESSIONAL ENGINEER
RAYMOND J. SCHNEIDER
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Exp. 09/30/21
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STATE OF CALIFORNIA

DATE SIGNED: 06/08/21

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Revision No.	Description	Date	By	Apprvd. By

STOCKTON SOCCER COMPLEX UPGRADES

ONE-LINE DIAGRAM

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED: DATE 6/28/21	SHEET NO. E4.0
DESIGNED BY	PJS/MJK		OF 51 SHEETS
DRAWN BY	RRG		PW1510
CHECKED BY	PJS	CITY ENGINEER STOCKTON, CALIFORNIA	PROJECT NO.
RECORD DWGS.			

5439.37C

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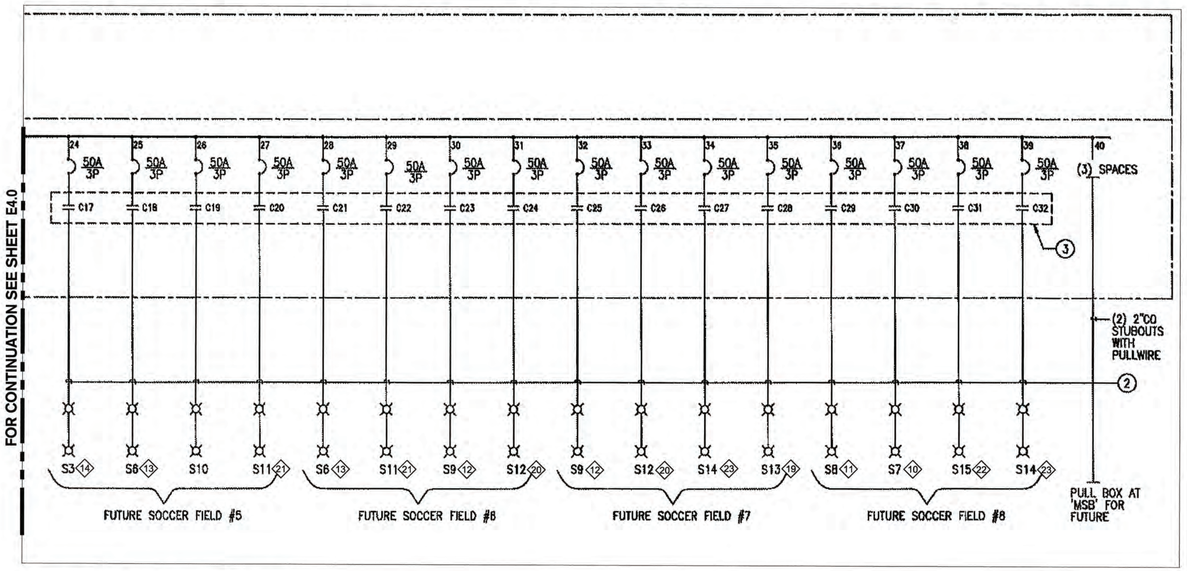
ATTACHMENT B



1 AS-BUILT SINGLE LINE DIAGRAM
NOT TO SCALE

EXISTING PER AS-BUILT PLANS
MODIFY AS NOTED

TAG	CIRCUIT DESCRIPTION	CONDUIT	WIRE	GND
1	SECONDARY SERVICE	2-5"		
2	CANAL WATER PUMP (60HP)	2"	3 #2	#6
3	DOMESTIC WATER PUMP (60 HP)	2"	3 #2	#6
4	PANEL "M" (MAINTENANCE BUILDING)		BY OTHERS	
5	PANEL "C" (CONCESSION BUILDING)		BY OTHERS	
6	S1 (FIELD 1)	2"	3 #6	#6
7	S2 (FIELD 1, 2)	2" 2"	6 #6 3 #6	#6 #6
8	S4 (FIELD 1, 3)	2"	6 #6	#6
9	S5 (FIELD 1, 2, 3, 4)	2" 2" 2"	6 #6 6 #6 6 #6	#6 #6 #6
10	S7 (FIELD 3) S7 (FIELD 8)	2" 2"	3 #6 6 #6	#6 #6
11	S8 (FIELD 3, 4) S8 (FIELD 8)	2" 2" 2" 2"	3 #6 6 #6	#6 #6 #6 #6
12	S9 (FIELD 4) S9 (FIELD 3) S9 (FIELD 6, 7, 8)	2" 2" 2" 2" 2" 2" 2" 2"	6 #6 6 #6 6 #6 6 #6 6 #6 6 #6	#6 #6 #6 #6 #6 #6
13	S6 (FIELD 2, 4) S6 (FIELD 5, 6)	2" 2"	6 #6 6 #6	#6 #6
14	S3 (FIELD 2, 1) S3 (FIELD 5)	2" 2" 2"	6 #6 6 #6 6 #6	#6 #6 #6
15	CONCESSION BLDG POWER ZONE P2	2 1/2"	2 #350	
16	MAINTENANCE BLDG POWER ZONE P1	2"	2 #2/0	
17	PARKING LIGHTS CKT 1	2"	2 #6	#6
18	PARKING LIGHTS CKT 2	2	2 #6	#6
19	S13 (FIELD 7)	2"	6 #6	#6
20	S12 (FIELD 7, 6)	2" 2"	6 #6 6 #6	#6
21	S11 (FIELD 7, 6, 5)	2" 2" 2"	6 #6 6 #6 6 #6	#6
22	S15 (FIELD 8)	2"	6 #6	#6
23	S14 (FIELD 8, 7)	2"	6 #6	#6
24	RESTROOM RAMP (FROM RESTROOM PANEL)	2"	2 #6	1 #6

INSTALL WIRE AND PULL WIRE AS NOTED

PROPOSED

2 FEEDER SCHEDULE

REGISTERED PROFESSIONAL ENGINEER
PAUL J. SCHNEIDER
No. 62498
Exp. 09/30/21
CIVIL
STATE OF CALIFORNIA

DATE SIGNED: 06/08/21

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F:\19projects\19128 COS Stockton Soccer Complex Upgrades\Plans and Graphics\Improvement Plans\19128-E4.0-ONE LINE DIAGRAM II.dwg — 06/08/21

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Revision No.	Description	Date	By	Apprvd. By

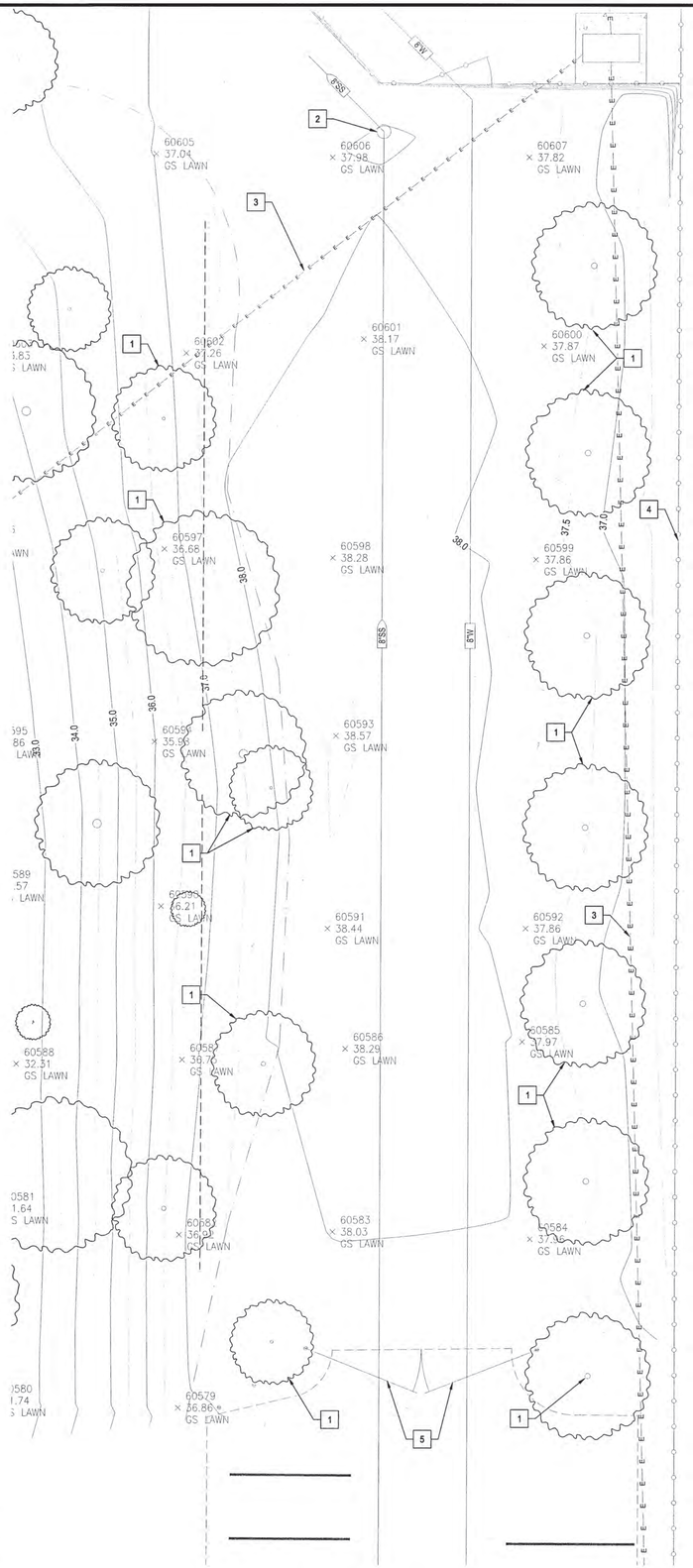
STOCKTON SOCCER COMPLEX UPGRADES

ONE-LINE DIAGRAM

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY:	SHEET NO.
DESIGNED BY	PJS/MJK	DATE	E4.1
DRAWN BY	RRG		OF 51 SHEETS
CHECKED BY	PJS	CITY ENGINEER STOCKTON, CALIFORNIA	PW1510
RECORD DWGS.			PROJECT NO.

5439.382



Know what's below.
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NORTH PARKING TOPOGRAPHIC PLAN
SCALE: 1" = 10'

DEMOLITION NOTES:

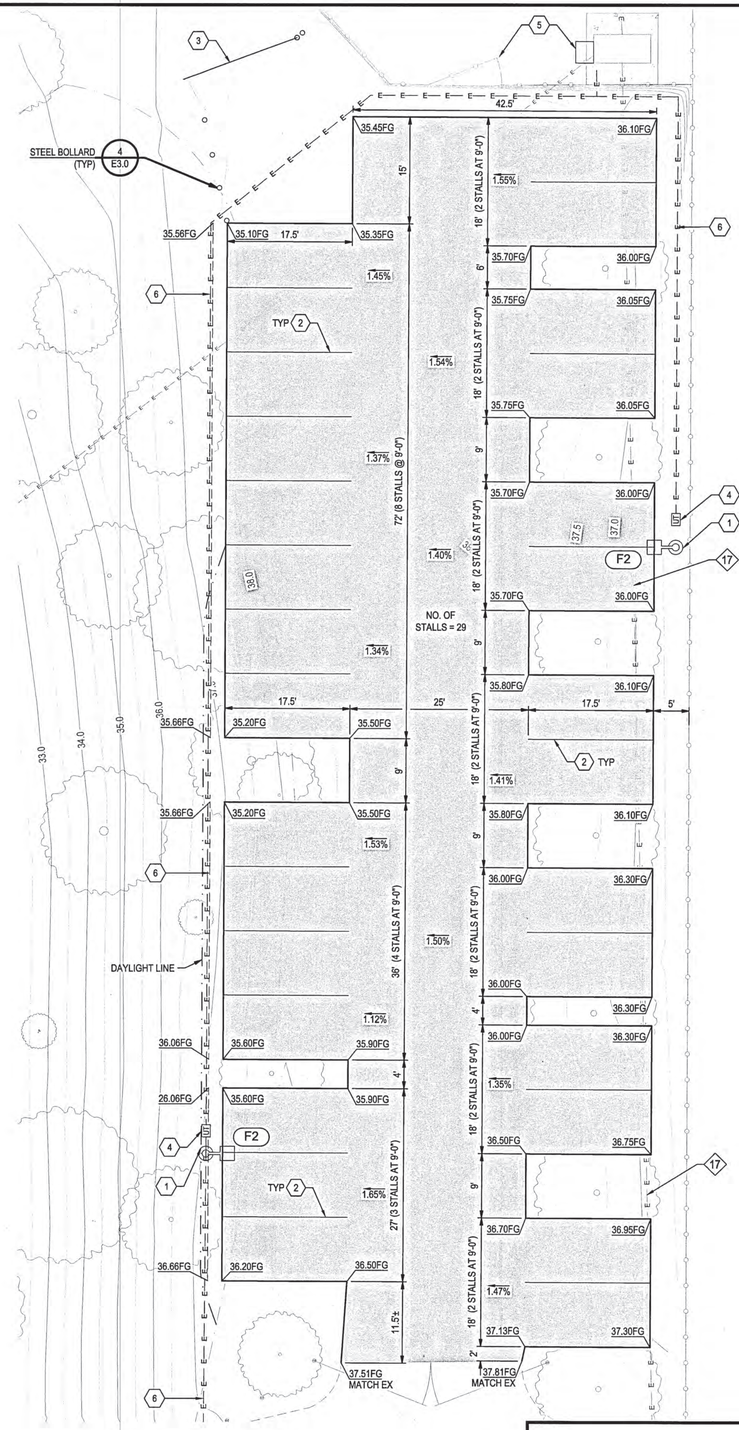
1. CONTRACTOR IS RESPONSIBLE FOR REMOVING AND PROPERLY DISPOSING OF ALL MATERIALS DEMOLISHED FROM THE SITE INCLUDING: PAVEMENT, CONCRETE, CURB AND GUTTER, STORM DRAINAGE MATERIALS AND ELECTRICAL MATERIALS.
2. IF ANY QUESTIONS ARISE AS TO WHETHER SOMETHING SHOULD BE REMOVED, CONTRACTOR SHALL CONTACT SIEGFRIED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

TOPOGRAPHIC KEY NOTES:

1. PROTECT IN PLACE, EXISTING TREE
2. PROTECT IN PLACE, EXISTING SANITARY SEWER MAINTENANCE HOLE
3. PROTECT IN PLACE, EXISTING ELECTRIC CONDUIT
4. PROTECT IN PLACE, EXISTING CHAIN LINK FENCE
5. PROTECT IN PLACE, EXISTING GATE

ATTACHMENT B

20'
SCALE: 1"=10'



NORTH PARKING PAVING PLAN
SCALE: 1" = 10'

IMPROVEMENT LEGEND:

- CELLULAR CONFINED PAVEMENT 1.8" TRUEGRID WITH 1/2" CRUSHED ROCK FILL WITH A 1.5" SURCHARGE OVER 6" CLASS II AB COMPACTED TO 95% RELATIVE COMPACTION FOR A MIN DEPTH OF 6", SHEET C6.1 DETAIL 10
- 17 — FEEDER SCHEDULE TAG, SEE SHEET E1.0 DETAIL 2
- F1 — FIXTURE SCHEDULE TAG, SEE SHEET E1.0 DETAIL 3

IMPROVEMENT KEY NOTES:

1. PROPOSED LIGHT POLE AND FIXTURE, SEE FIXTURE SCHEDULE ON SHEET E1.0 DETAIL 3, AND SHEET E3.0 DETAIL 2
2. INSTALL MARKERS IN CELLULAR CONFINEMENT SYSTEM
3. VEHICLE ACCESS GATE, SEE COS DWG. NO. R-61
4. ELECTRICAL PULL BOX, SEE SHEET E3.0 DETAIL 1
5. EXISTING ELECTRICAL SERVICE CABINET
6. 15 16 18 PER FEEDER SCHEDULE TAG, SEE SHEET E1.0 DETAIL 2

REGISTERED PROFESSIONAL ENGINEER
PAUL J. SCHNEIDER
No. 62498
Exp. 09/30/21
CIVIL
STATE OF CALIFORNIA

DATE SIGNED: 06/08/21

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Revision No.	Description	Date	By	Apprvd. By

STOCKTON SOCCER COMPLEX UPGRADES

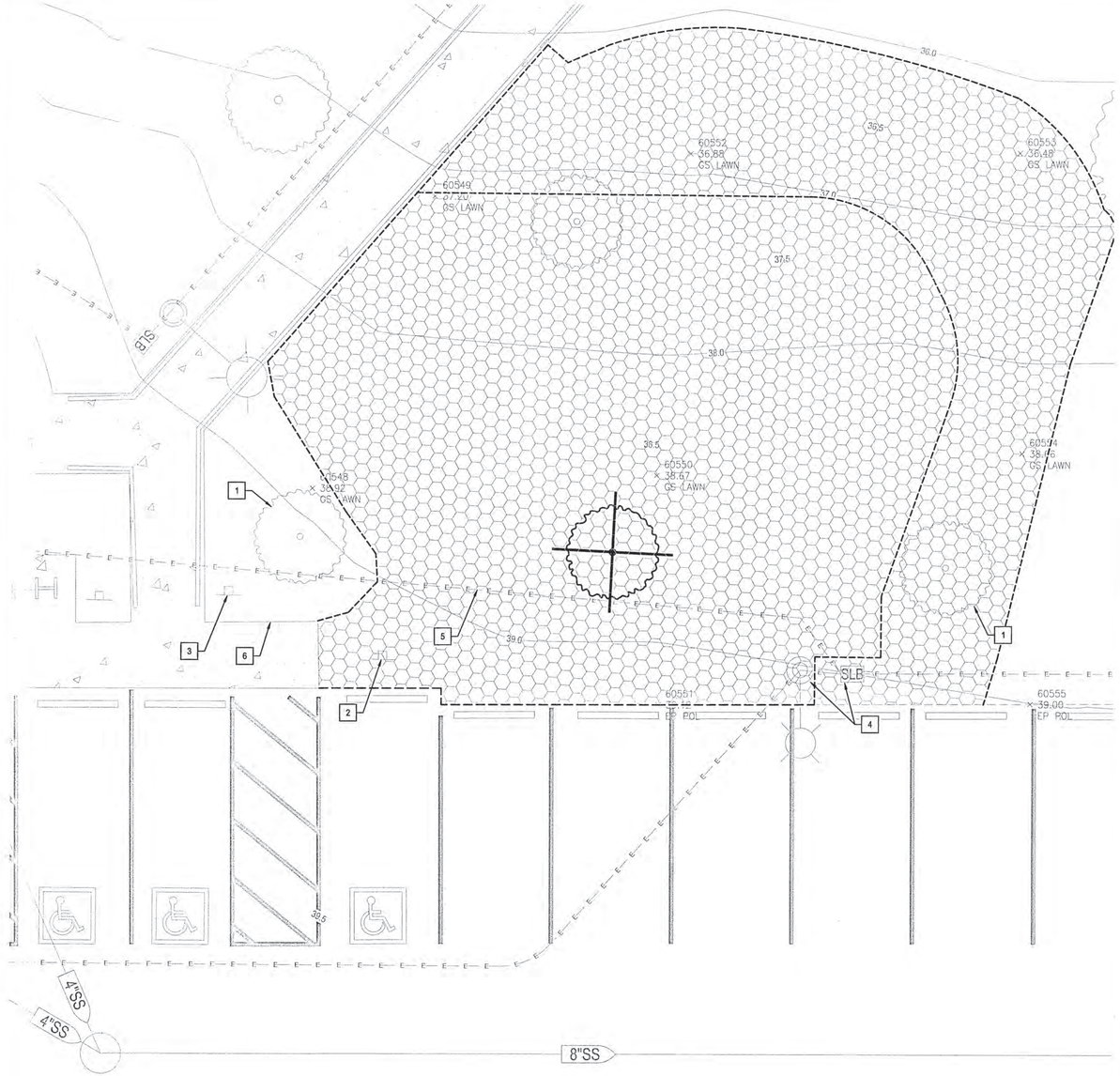
ALTERNATIVE NO. 1 - NORTH PARKING LOT PLAN

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY:	SHEET NO.
DESIGNED BY	PJS/MJK	DATE	C8.0
DRAWN BY	RRG		OF 51 SHEETS
CHECKED BY	PJS	CITY ENGINEER	PW1510
RECORD DWGS.		STOCKTON, CALIFORNIA	PROJECT NO.

$439,392

ATTACHMENT B



EAST PARKING DEMOLTION PLAN

SCALE: 1" = 5'

DEMOLITION NOTES:

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

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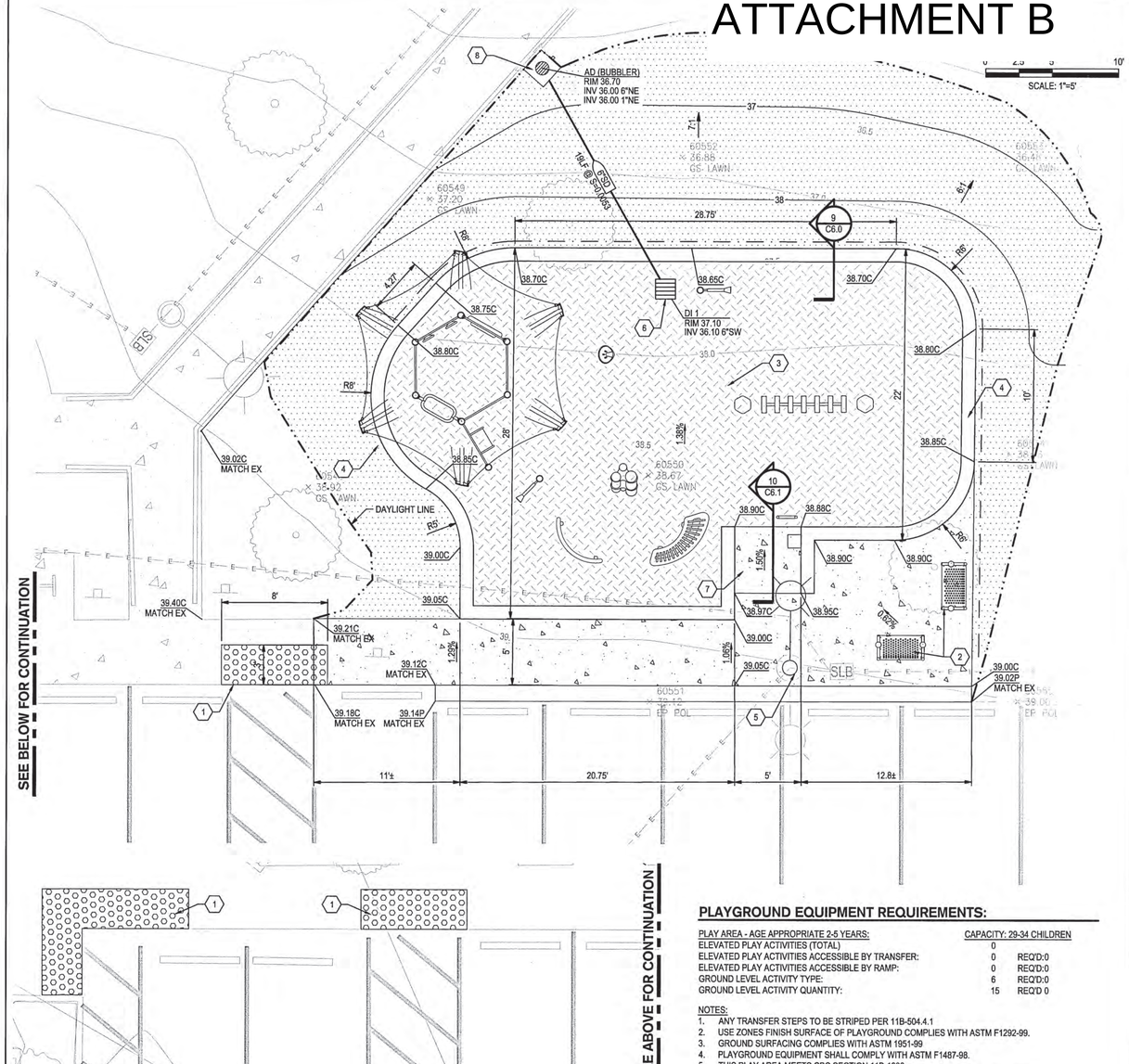
DEMOLITION LEGEND:

- CLEAR AND GRUB
- REMOVE AND DISPOSE OF EXISTING TREE, INCLUDING STUMP AND ROOTS

DEMOLITION KEY NOTES:

1. PROTECT IN PLACE, EXISTING TREE
2. PROTECT IN PLACE, EXISTING ADA PARKING SIGN
3. PROTECT IN PLACE, EXISTING SIGN
4. PROTECT IN PLACE, EXISTING LIGHT POLE AND ELECTRICAL PULL BOX
5. PROTECT IN PLACE, EXISTING ELECTRICAL CONDUIT
6. PROTECT IN PLACE, EXISTING CONCRETE



EAST PARKING PAVING PLAN AND PLAYGROUND LAYOUT

SCALE: 1" = 5'

PLAYGROUND EQUIPMENT REQUIREMENTS:

PLAY AREA - AGE APPROPRIATE 2-5 YEARS:	CAPACITY: 29-34 CHILDREN
ELEVATED PLAY ACTIVITIES (TOTAL)	0
ELEVATED PLAY ACTIVITIES ACCESSIBLE BY TRANSFER:	0 REQ'D:0
ELEVATED PLAY ACTIVITIES ACCESSIBLE BY RAMP:	0 REQ'D:0
GROUND LEVEL ACTIVITY TYPE:	6 REQ'D:0
GROUND LEVEL ACTIVITY QUANTITY:	15 REQ'D 0

NOTES:
1. ANY TRANSFER STEPS TO BE STRIPED PER 11B-504.4.1
2. USE ZONES FINISH SURFACE OF PLAYGROUND COMPLIES WITH ASTM F1292-99.
3. GROUND SURFACING COMPLIES WITH ASTM 1951-99
4. PLAYGROUND EQUIPMENT SHALL COMPLY WITH ASTM F1487-98.
5. THIS PLAY AREA MEETS CBC SECTION 11B-1008.
6. SEE SHEETS C9.1-C9.5 FOR PLAYGROUND SPECIFICATIONS AND DESIGN CRITERIA

LEGEND:

- CONCRETE PAVEMENT — 6" 3,000 PSI P.C.C. WITH #4 BARS @ 18" O.C. EACH WAY, OVER 6" CLASS II AB OVER 8" NATIVE, COMPACTED TO 92% RELATIVE COMPACTION
- CONTRACTOR TO REPAIR TURF AND IRRIGATION, AND TO ENSURE HEAD TO HEAD COVERAGE
- FIBAR FALL ATTENUATION — 18" MIN
- ASPHALT PAVEMENT — 6" DEEPLIFT ASPHALT OVER 8" NATIVE MATERIAL, COMPACTED TO 92% RELATIVE COMPACTION
- 31.0 — EXISTING GROUND CONTOUR
- 31.0 — PROPOSED GROUND CONTOUR

IMPROVEMENT KEY NOTES:

1. TRUNCATED DOMES, SEE SHEET C6.0 DETAIL 7
2. BENCH, SEE SHEET C9.5
3. PLAYGROUND EQUIPMENT, SEE SHEETS C9.1 THRU C9.5
4. 12" CONCRETE PLAY BORDER, SEE SHEET C6.0 DETAIL 9
5. REMOVE EXISTING LIGHT FIXTURE HEAD AND REPLACE WITH DOUBLE GARDCO LED F2 PER FIXTURE SCHEDULE ON SHEET E1.0
6. 12" DRAINAGE INLET, SEE SHEET C6.1 DETAIL 9
7. PLAY AREA RAMP, SEE SHEET C6.1 DETAIL 6
8. 6" AREA DRAIN BUBBLER, SEE C6.0 DETAIL 12

REGISTERED PROFESSIONAL ENGINEER — PAUL J. SCHNEIDER — No. 62498 — Exp. 09/30/21 — CIVIL — STATE OF CALIFORNIA

DATE SIGNED: 06/08/21

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Revision No.	Description	Date	By	Apprvd. By

STOCKTON SOCCER COMPLEX UPGRADES

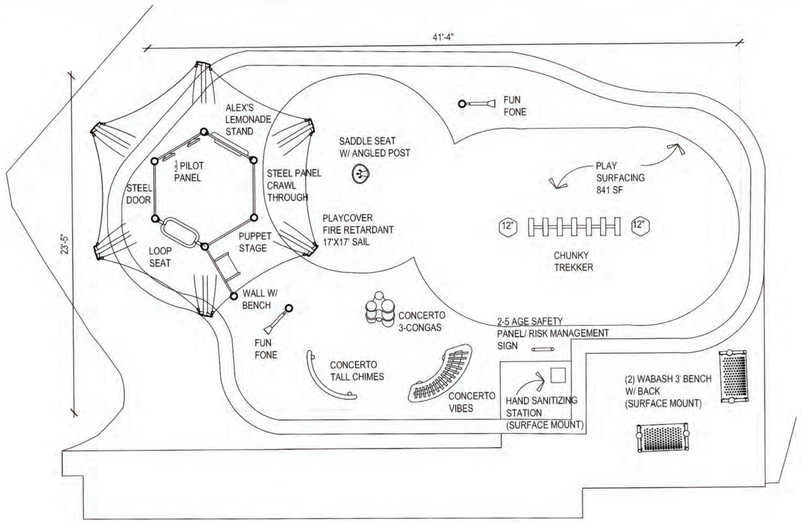
ALTERNATIVE NO. 2 - PLAYGROUND PLAN

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY:	SHEET NO.
DESIGNED BY	PJS/MJK	DATE	C9.0
DRAWN BY	RRG		OF 51 SHEETS
CHECKED BY	PJS	CITY ENGINEER	PW1510
RECORD DWGS.		STOCKTON, CALIFORNIA	PROJECT NO.

5439.406

ATTACHMENT B



PLAY AREA - AGE APPROPRIATE 2-5 YEARS:	CAPACITY: 29-34 CHILDREN
ELEVATED PLAY ACTIVITIES (TOTAL)	0
ELEVATED PLAY ACTIVITIES ACCESSIBLE BY TRANSFER:	0 REQ'D: 0
ELEVATED PLAY ACTIVITIES ACCESSIBLE BY RAMP:	0 REQ'D: 0
GROUND LEVEL ACTIVITY TYPE:	6 REQ'D: 0
GROUND LEVEL ACTIVITY QUANTITY:	15 REQ'D 0

NOTES:
1. ANY TRANSFER STEPS TO BE STRIPED PER 11B-504.4.1
2. USE ZONES FINISH SURFACE OF PLAYGROUND COMPLIES WITH ASTM F1292-99.
3. GROUND SURFACING COMPLIES WITH ASTM 1951-99
4. PLAYGROUND EQUIPMENT SHALL COMPLY WITH ASTM F1487-98.
5. THIS PLAY AREA MEETS CBC SECTION 11B-1008.

NOTE:
PLAY GROUND COLORS SCHEME TO BE APPROVED BY THE CITY.

1 PLAYGROUND LAYOUT
NOT TO SCALE

Chunky Trekker

MODEL	PRODUCT	GRND SPACE	PROT. AREA	CONCRETE
714-631	Chunky Trekker	6'-4 1/4" x 1'-3"	19' x 14'	0.09 cu. yds.

DESCRIPTION
The Chunky Trekker is a simple yet versatile climbing component that can be used Deck-to-Deck, ground-to-Deck, freestanding, ground-to-Nexus or Nexus-to-Nexus.

MATERIALS

Chunky Trekker: The Chunky Trekker shall comprise a rail constructed of 2-3/8" tube, two 5" x 2-3/8" sleeves constructed of 2" pipe, and foot step brackets constructed of 7 ga sheet, all solid welded. Rail shall measure 75-1/2" in length. Brackets shall be graduated in height from 3-1/2", 4-1/8", 4-1/2" and 4-3/4". All brackets shall be 12-7/8" in length.

Legs: Legs shall have one swaged end, measure 54-3/16" in length and be constructed of 2" pipe.

Foot Step Covers: Foot step covers shall be constructed of 11 ga. sheet perforated with a staggered pattern of .375" diameter holes at 5/8" apart center to center. Steps shall be 15" in length.

Fasteners: Each assembly shall contain Versalok Fasteners and Fastener Style A hardware.

Finishes: The Chunky Trekker weldment and legs shall have a Mira-Cote finish. Foot step covers shall have a Mira-Therm finish.

Steel Posts (5" O.D., 11 ga. Round Tube) & Aluminum Posts

Steel Posts - 5" O.D., 11ga.

MODEL	DESCRIPTION	USES	PART NUMBER
714-545-3	144" Deck Post (Cheer Roof)	3' Deck	997292*
714-545-5	168" Deck Post (Cheer Roof)	5' Deck	997294*
714-545-6	186" Deck Post (Cheer Roof)	6'-6" Deck	908813*
714-545-8	204" Deck Post (Cheer Roof)	8' Deck	997297*
714-545-10	228" Deck Post (Cheer Roof)	10" Deck	908812*
714-549-1	88" Maze Post	Sensory Panel	925341*
714-549-3	112" Deck Post	3' Decks	995228*
714-549-4	124" Deck Post	4' Decks	995229*
714-550-3	206" Deck Post (PlayCover)	3' Deck & less	997215*
714-550-5	219" Deck Post (PlayCover)	3'-6" to 5' Decks	997218*
714-550-6	243" Deck Post (PlayCover)	5'-6" to 6'-6" Decks	997203*
714-550-8	258" Deck Post (PlayCover)	7' to 8' Decks	997315*
714-551	106" Deck Post	2'-6" Decks & less	713551*
714-552	136" Deck Post	3' to 5' Decks	713552*
714-552L	136" Deck Post w/CPSIA Label	3' to 5' Decks	996061*
714-553	160" Deck Post	5'-6" to 6'-6" Decks	713553*
714-554	178" Deck Post	7' to 8' Decks	713554*
714-556	196" Deck Post	10' Deck	985244*
714-571	106" Post (Roof)	Ground Level	713561*
714-571L	106" Post (Roof) w/CPSIA Label	Ground Level	996352*

Note: An (*) by a part number indicate: Color Code Required.

Steel Posts (5" O.D., 11 ga. Round Tube) & Aluminum Posts

CONCRETE 0.13 cubic yards required per post
0.26 cubic yards per post for model's 714-550-3, 714-550-5, 714-550-6 and 714-550-8.

DESCRIPTION Posts are used for support of deck systems and freestanding components.

MATERIALS

Steel Post Assembly: Steel posts shall be constructed of 5" tube, 11 ga. Posts not designed for roof assemblies shall have 5" round end caps pressed in at the factory.

Aluminum Post Assembly: Aluminum posts shall be constructed of 5" aluminum tube. Posts not designed for roof assemblies shall have 5" round end caps pressed in at the factory.

Fasteners: Components shall be field assembled to Posts by means of Versalok Fasteners, Fastener Style A hardware and/or Fastener Style B hardware.

Finishes: Post assemblies and clamps shall be finished in Mira-Cote.

714-555, 714-555-2* & 714-555-3* and 714-577-4

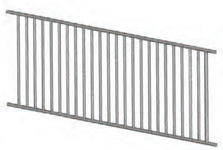
Fence Post, Steel, 5" OD x 76"

* Model # 714-555-2 Fence Post, Aluminum, 5" OD x 76" and Model # 714-555-3 Fence Post, Steel, 5" OD x 76" not shown. Appearances are identical but material specifications differ.

4' Fence Section, Straight

714-577-8 & 714-578

8' Fence Section, Straight



Archway for Fence, 5" OD

Know what's below. Call before you dig.

Fence Posts, 4' & 8' Fence Sections, Archway for Fence

MODEL #	PRODUCT	CONCRETE REQ'D
714-555	5" OD x 76" Fence Post, Steel	0.13 cu. yds.
714-555-2	5" OD x 76" Fence Post, Aluminum	0.13 cu. yds.
714-555-3	5" OD x 76" Fence Post, Steel	0.13 cu. yds.
714-577-4	4' Fence Section	N/A
714-577-8	8' Fence Section	N/A
714-578	Archway for Fence	0.26 cu. yds.

DESCRIPTION

These models comprise a fence system with virtually limitless configuration possibilities. This fence system is not playground equipment, therefore protective surfacing to 6' from perimeter is not required. However, this does not permit exclusion of protective surfacing when required by playground equipment which intersects fence area, e.g. if a fence were to connect to a deck system, required protective surfacing of deck components would "overrule" fence's lack of a requirement for surfacing.

MATERIALS

Fence Sections: The fence sections shall consist of a welded assembly handrail system with a top and bottom rail constructed of 1" pipe, and infill consisting of uprights constructed of 1" tube. The fence section shall measure 36-5/16" high and 4' or 8' long.

Archway: The archway shall be a single piece, "U"-shaped component constructed of 5" tube, measuring 4' from leg center to leg center and 132" from leg end to inside apex height.

Steel Posts: Model # 714-555 shall be constructed of 5" tube, 11 ga. with a 5" round end cap pressed into its top end. Model # 714-555-3 shall be constructed of 5" tube with a 5" round end cap pressed into its top end.

Aluminum Posts: Model # 714-555-2 shall be constructed of 5" aluminum tube with a 5" round end cap pressed into its top end.

Fasteners: The assembly shall contain Versalok Fasteners and Fastener Style A hardware.

Finishes: The fence sections, posts, archway, and clamps shall have a Mira-Cote finish.

Steel Panels - Below Deck

714-602-10B: Steel Tic Tac Toe Panel

714-602-11B: Steel Window Panel

714-602-12B: Steel Door Panel

714-602-13B: Steel Counter Panel

PLAYGROUND EQUIPMENT NOTE
ALL EQUIPMENT AND MATERIALS SHOWN ARE TO ILLUSTRATE MINIMUM REQUIREMENTS, EQUIVALENT PRODUCTS MAY BE SUBMITTED PROVIDED THEY MEET THE MINIMUM REQUIREMENTS SHOWN HEREON

REGISTERED PROFESSIONAL ENGINEER — RAUL J. SCHNEIDER — No. 62498 — Exp. 09/30/21 — CIVIL — STATE OF CALIFORNIA

DATE SIGNED: 06/08/21

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209-943-2001 www.siegfriedeng.com Fx: 209-942-0214

Revision No.	Description	Date	By	Apprvd. By

STOCKTON SOCCER COMPLEX UPGRADES

ALTERNATIVE NO. 2 - PLAYGROUND DESIGN REQUIREMENT

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY:	SHEET NO.
DESIGNED BY	PJS/MJK	DATE	C9.1
DRAWN BY	RRG		OF 51 SHEETS
CHECKED BY	PJS	CITY ENGINEER	PW1510
RECORD DWGS.		STOCKTON, CALIFORNIA	PROJECT NO.

5439.416

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ATTACHMENT B

Steel Panels - Below Deck

714-713-9B: Alex's Lemonade Stand Panel

714-602-14B: Steel Valance

714-602-15B: Steel Steering Wheel Panel

Steel Panels - Below Deck

MODEL #	PRODUCT	GROUND SPACE	PROTECTIVE AREA
714-602-10B	Steel Tic Tac Toe Panel	4'-6" x 6-3/4"	17' x 13'-0 3/4"
714-602-11B	Steel Window Panel	4'-6" x 11-1/4"	17' x 13'-5 1/4"
714-602-12B	Steel Door Panel	4'-6" x 11-1/4"	17' x 13'-5 1/4"
714-602-13B	Steel Counter Panel	4'-6" x 11-1/4"	17' x 13'-5 1/4"
714-602-14B	Steel Valance	4'-6" x 11-1/4"	17' x 13'-5 1/4"
714-602-15B	Steel Steering Wheel Panel	4'-6" x 7-1/2"	17' x 13' - 0'
714-713-9B	Alex's Lemonade Stand Panel	4'-6" x 11-1/4"	17' x 13'-5 1/4"

DESCRIPTION

Steel Panels are durable below-deck components designed to enhance imaginative play. The Steel Tic Tac Toe Panel shall allow children to play the classic game cooperatively. The Steel Window Panel shall resemble house windows, Steel Door Panel shall resemble the front entry of a house, the Steel Counter Panel shall resemble a toy store counter top, the Steel Valance shall resemble a toy store sign, and the Steel Steering Wheel Panel shall resemble a car console.
Alex's Lemonade Stand Panel shall resemble a lemonade stand and have ALSF Branding.

MATERIALS

Panels: Model # 714-602-10B shall comprise an 11 ga. sheet panel and bolting bracket with two 35" rungs and two 41-1/2" rungs of 1" pipe, Gator Grip. Entire Tic Tac Toe Panel shall measure 37-5/16" in width and 36-1/4" in height. Model #s 714-602-11B and # 714-602-15B shall comprise an 11 ga. sheet panel, with two 35" rungs and two 41-1/2" rungs of 1" pipe, Gator Grip. Entire Steel Window Panel and Steel Steering Wheel Panel shall measure 41-1/2" in width and 36-1/4" in length. Steering Wheel and knob shall be constructed of aluminim. Model # 714-602-12B shall comprise an 11 ga. sheet panel and an arch rung, bottom and side enclosure rungs, and a top rung constructed of 1-1/4" tube, all solid welded. Entire Steel Door Panel assembly shall measure 41-1/2" in width and 36-1/4" in height. Model # 714-602-13B shall comprise two panels of 11 ga. sheet, and horizontal supports, top tube frames, vertical supports, and a bottom rung of 1-1/4" tube, all solid welded. Entire Steel Counter Panel assembly shall measure 41-1/2" in width and 18-1/16" in height. Model # 714-602-14B shall comprise an 11 ga. sheet panel, with side enclosures and rungs of 1-1/4" tube, all solid welded. Entire Valance assembly shall measure 41-1/2" in width and 12-1/16" in height. Model # 714-713-9B shall comprise an 11 ga. sheet panel, two 28-1/4" and two 52-3/8" rungs of 3/4"x1" oval tube and two 37" rungs of 1-5/16" tube, Gator grip. Entire panel assembly shall measure 37" in width and 55" in height.

Tic Tac Toe Cylinders (714-602-10B only): Tic Tac Toe cylinders shall be constructed of cast aluminum with etched "x's" and "o's". Cylinders will attach to panel via an axle constructed of 1" O.D. x 14 ga. tube, A-60 with stainless steel hardware and plastic spacers.

Fasteners: Each assembly shall contain Versalok Fasteners and Fastener Style A hardware.

Finishes: The rungs, clamps, and steel panels shall have a Mira-Cote finish.

Plastic: The lemons, name plate, counter top and panel plastic shall be Miralene.

Playcover® Sail Shades

714-669-617S Playcover
714-669-617SFR Playcover

Playcover Sail 17 FT

714-669-626S Playcover
714-669-626SFR Playcover

Playcover Sail 26 FT

MODEL	DESCRIPTION
714-669-617S	Playcover 17 FT Hex Sail F/KC HEX DK
714-669-617SFR	Playcover 17 FT Hex Sail F/KC HEX DK FR
714-669-626S	Playcover 26 FT Hex Sail F/KC HEX DK
714-669-626SFR	Playcover 26 FT Hex Sail F/KC HEX DK FR

DESCRIPTION

Playcover Sail Shades will attach to Kids' Choice decks to provide shade to play structures. All structures are designed to meet the requirements of ASCE 7-05 (IBC 2006, IBC 2009, CBC 2010), ASCE 7-10 (IBC 2012, IBC 2015, IBC 2018, CBC 2013, CBC 2016) and ASCE 7-16 (IBC 2018, CBC 2019). Shades will have a live load of 5 PSF, snow load of 10 PSF, nominal design wind speed of 90 MPH (3-sec gust), exposure C, risk category II (from ASCE 7-05) and ultimate design wind speed of 115 MPH, exposure C, risk category II (from ASCE 7-10 and ASCE 7-16).

Playcover® Sail Shades

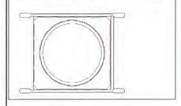
MATERIALS

Frame: All tube shall conform to ASTM A500. Steel plate shall conform to ASTM A572, Fy = 50 KSI. All fabrication and erection of structural steel shall conform with the current edition of AISC "Specification for the Design, Fabrication and Erection of Structural Steel for Buildings". All fabrication and erection of the light gauge pipes shall conform to AISI cold-formed steel specifications. Steel welds shall conform to AWS D,1: Electrodes, Class E70XX, Low Hydrogen. Frames have primer and 3 mils of powder coat electrostatically applied. Structural Steel Columns are made of 88.9 mm (3.5") O.D. pre-galvanized tubing for PB and are made of 127 mm (5") O.D. pre-galvanized tubing for KB. Structural Steel Rafters are made of 88.9 mm (3.5") O.D. pre-galvanized tubing.

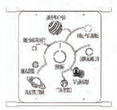
Shades: Fabric shade cloth has been specifically developed to produce a very strong and stable outdoor fabric for use in tension structures and shade awnings. This range offers the ultimate combination of maximum sun protection plus the strength and durability to ensure maintenance-free, long life performance. Mildew and Rot resistant. Heat and hail resistant. Maintains color in all weather conditions. High Density Polyethylene (HDPE), UV stabilized with a monofilament and lockstitch sewing construction producing a fabric that will not tear or fray if cut. Available in Standard and Fire Retardant Fabric. 6 Colors in Standard Fabric and 7 Colors in Fire Retardant Fabric. Provides shade factors up to 94% and blocks up to 95% of dangerous UV solar radiation for Standard Fabric. Provides shade factors up to 86% and blocks up to 84% of dangerous UV solar radiation for Fire Retardant Fabric. Temperature reduction of up to 30 degrees. It is recommended to remove Shade fabric prior to snowfall. Structural framing may remain in place during winter.

Imagination Panels & Activity Panels - Below Deck

714-602-6B: Steel Panel, Crawl Through

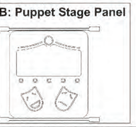


714-617-B: Space Ship Panel



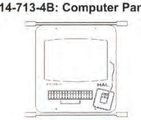
714-713-1B: Television Panel

714-713-2B: Puppet Stage Panel



714-713-3B: Window Panel

714-713-4B: Computer Panel



714-713-5B: Door Panel

714-713-5RB: Door Panel, Reversed

714-713-6B: Bank Teller Panel

Imagination Panels & Activity Panels - Below Deck

MODEL #	PRODUCT	MODEL #	PRODUCT
714-620-6B	Steel Panel, Crawl Through	714-714-8B	Race Car Panel
714-617-B	Space Ship Panel	714-715-1B	Alphabet Panel
714-713-1B	Television Panel	714-715-2B	Finger Maze Panel
714-713-2B	Puppet Stage Panel	714-715-3B	3' Jump Panel
714-713-3B	Window Panel	714-715-4B	Calculator Panel
714-713-4B	Computer Panel	714-715-5B	5' Jump Panel
714-713-5B	Door Panel	714-715-6B	Bus Stop Panel
714-713-5RB	Door Panel, Reversed	714-715-7B	Rest Stop Panel
714-713-6B	Bank Teller Panel	714-715-10B	Sign Language Panel
714-713-7B	General Store Panel	714-715-11B	Spanish Panel
714-713-8B	Ticket Panel	714-715-12B	Braille Panel
714-714-1B	Park Ranger Panel	714-715-13B	Calypso 3-Drum Panel
714-714-2B	Fire Truck Panel	714-715-15B	Chinese Panel
714-714-3B	Police Panel	714-761-2B	Piston Panel
714-714-4B	Train Panel	714-761-3B	Gear Panel
714-714-5B	Taxi Panel	714-761-4B	Sliding Tile Panel
714-714-6B	Pilot Panel with Window	714-895-2B	Barn Door Panel
714-714-7B	Pilot Panel	714-895-1B	Barn Wall Panel
		714-895-3B	Barn Window Panel

DESCRIPTION

These representational activity panels, designed to stimulate imagination and creative play, may be freestanding, clustered or below deck. Vehicle-themed panels feature a steering wheel assembly. The Piston Panel and Gear Panel contain dynamic, user-driven parts sealed behind a transparent, tamper-resistant cover. The Sliding Tile Panel contains 15 routed, moveable tiles with one empty space challenging users to shift the tiles into proper sequence. The Calypso Panel allows musical expression with molded drums that may be struck with the hands to create different sounds.

MATERIALS

Panels: The panels shall be constructed of Mira-Lene with all corners rounded. Panels shall measure 36-1/2" x 40" and shall contain routered designs in several themes. The panel shall be supported between posts by top and bottom rungs of 1" pipe, each with two tabs of 11 ga. A-60 Galvannealed sheet, solid welded.

Steel Panel, Crawl Through Model # 714-620-6B only: The steel crawl through panel shall comprise rungs and a ring of 1" pipe, Gator Grip, and a 7 ga. sheet, laser cut panel measuring 33-5/8" x 36".

Pilot Panel w/ Window: Model # 714-714-6B only: In addition to the above materials and specifications, Model # 714-714-6B shall feature a window of clear polycarborate mechanically fastened to panel.

Barn Door Panel: Model # 714-895-2B only: In addition to the above materials and specifications, Model # 714-895-2B shall be supported between posts by top, middle and bottom rungs of 1" pipe, each with two tabs of 11 ga. A-60 Galvannealed sheet, solid welded. Panel shall measure 36-1/2" x 71-1/2".

Imagination Panels & Activity Panels - Below Deck

MATERIALS ***(continued)***

Gear Panel and Piston Panel: Model # 714-761-3B and # 714-761-2B only: In addition to above materials and specifications, Model # 714-761-3B shall contain a clear polycarbonate cover mechanically fastened over two side-by-side sets of 1/4" thick gears, to be constructed of high-density polyethylene, which shall turn on nylon bushings, except for the black nylon handles and drive gears which shall turn on bronze bushings. Its opposite side shall contain side-by-side routed finger mazes. Model # 714-761-2B shall contain a cover, gears and knob as described herein, and connecting rod and piston shapes of 1/4" thick high-density polyethylene as well. Its opposite side shall contain routed designs.

Sliding Tile Panel: Model # 714-761-4B only: In addition to material and specifications detailed in "panels" paragraph, Model # 714-761-4B shall contain 15 moveable, tongue-and-groove tiles with routed numerals constructed of 1/4" thick high-density polyethylene.

Calypso 3-Drum Panel: Model # 714-715-13B only: In addition to material and specifications detailed in "panels" paragraph above, model # 714-715-13B shall contain 3 rotational molded drums of low density polyethylene resin. Each drum is attached to the panel through a cover plate constructed of 11 ga. galvanized steel sheet with a Mira-Cote finish.

Steering Wheel: The steering wheel on vehicle-themed panels shall be constructed of a high density polyethylene produced from high performance, U.V. stabilized rotational molding grade resins with a comprehensive additive package. These resins are tested in accordance with ASTM testing procedures D-1505, D-1248, D-1693 (b), D-638, D-790 and D-746. Resin's properties shall exhibit a balance of toughness, rigidity, environmental stress crack resistance and excellent low temperature impact performance. Wall thickness shall be 1/8". The steering wheel hub cover shall be constructed of injection molded polypropylene which shall contain U.V. light stabilizers. Model # 714-714-6B and # 714-714-7B contain two side-by-side steering wheels.

Star Brackets: Themed for Space Ship Panel, star brackets shall be constructed of 11 ga. HRPO steel and powder coat painted.

Fasteners: Each assembly shall contain Versalok Fasteners and Fastener Style A hardware.

Finishes: The steering wheel and two-color panels shall have molded-in color. The rungs, clamps, and steel panel shall have a Mira-Cote finish.

PLAYGROUND EQUIPMENT NOTE
ALL EQUIPMENT AND MATERIALS SHOWN ARE TO ILLUSTRATE MINIMUM REQUIREMENTS, EQUIVALENT PRODUCTS MAY BE SUBMITTED PROVIDED THEY MEET THE MINIMUM REQUIREMENTS SHOWN HEREON

REGISTERED PROFESSIONAL ENGINEER
PAUL J. SCHNEIDER
No. 62498
Exp. 09/30/21
CIVIL
STATE OF CALIFORNIA

DATE SIGNED: 06/08/21

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Revision No.	Description	Date	By	Apprvd. By

STOCKTON SOCCER COMPLEX UPGRADES

ALTERNATIVE NO. 2 - PLAYGROUND DESIGN REQUIREMENT

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY: 6/23/21	SHEET NO. C9.2 OF 51 SHEETS
DESIGNED BY	PJS/MJK	DATE	
DRAWN BY	RRG		
CHECKED BY	PJS	CITY ENGINEER	
RECORD DWGS.		STOCKTON, CALIFORNIA	PW1510 PROJECT NO.

5439.426

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ATTACHMENT B

Electronic Panels - Below Deck

714-715-16B
Electronic Piano Panel

714-715-17B
Electronic Animal Panel

DESCRIPTION
These below deck electronic activity panels are designed to enhance imagination and creative play. Panels play either music or animal noises to incorporate sound and learning into any playground theme.

MATERIALS

Panels: The panels shall be constructed of Mira-Lene with all corners rounded. The panels shall measure 36-1/2" x 40" and designs routed in the front and back.

Rung/Brackets: The rung shall be constructed of 1" pipe Gator Grip, bracket tabs shall be constructed of 11 ga. A-60 Galvannealed sheet, all solid welded.

Batteries: Each assembly shall contain three (3) "D" size alkaline batteries.

Fasteners: Each assembly shall contain Versalok Fasteners and Fastener Style A hardware.

Finishes: The rung brackets and clamps shall have a Mira-Cote finish.

Bongo Perch, Big Timber® Bongo Stump Perch, Bongo Bridges and Big Timber® Bongo Stump Bridges

Ground-to-Deck, Between Decks or Freestanding; spans of **8', 10'** & **12'**

714-772-1
Bongo Perch

714-772-8
Bongo Bridge, (4) Perches; 8' Span

714-772-10
Bongo Bridge, (5) Perches; 10' Span

714-772-12
Bongo Bridge, (6) Perches; 12' Span

Bongo Perch, Big Timber® Bongo Stump Perch, Bongo Bridges and Big Timber® Bongo Stump Bridges

Ground-to-Deck, Between Decks or Freestanding; spans of **8', 10'** & **12'**

MODEL #	PRODUCT	GRND SPC.	CONCRETE	PROT. AREA
714-625-1	Big Timber Bongo Stump Perch	1'-4" x 1'-4"	0.05 cu. yds.	14'-6" diameter
714-625-8	Big Timber Bongo Stump Bridge, (4) Perches; 8' Span	1'-4" x 6'-6"	0.20 cu. yds.	14' x 20'
714-625-10	Big Timber Bongo Stump Bridge, (5) Perches; 10' Span	1'-4" x 8'-6"	0.25 cu. yds.	14' x 22'
714-625-12	Big Timber Bongo Stump Bridge, (6) Perches; 12' Span	1'-4" x 12'-6"	0.30 cu. yds.	14' x 22'
714-772-1	Bongo Perch	1'-4" x 1'-4"	0.05 cu. yds.	14'-6" diameter
714-772-8	Bongo Bridge, (4) Perches; 8' Span	1'-4" x 6'-6"	0.20 cu. yds.	14' x 20'
714-772-10	Bongo Bridge, (5) Perches; 10' Span	1'-4" x 8'-6"	0.25 cu. yds.	14' x 22'
714-772-12	Bongo Bridge, (6) Perches; 12' Span	1'-4" x 12'-6"	0.30 cu. yds.	14' x 22'

DESCRIPTION:

The Bongo Bridges are designed to enter/exit 2' or lower deck systems, either as a bridge between decks, a ground-to-deck "stair," or as a freestanding assembly with no decks. When installed as a bridge, Bongo Perches may be installed at ascending/descending heights or all level, but should follow a straight course between decks. Freestanding Bongo Perches may ascend & descend and may follow any course so long as Bongo Perches are set 7" to 9" edge-to-edge. Bongo Perches may also be clustered and installed flush with each other to create a table, seats, small climber, etc. Regardless of layout and design, top surfaces may be set no greater than 24" from Finished Grade.

Note: If designing as bridge between 2'-0" decks intended for 2 to 5 year old users, deck enclosures Model # 714-813-5 must be installed on each deck, which are sold separately.

MATERIALS:

Bongo Perch Pod & Post Assemblies: Each Bongo Perch comprises a pod or stump and post assembly. Pods shall be constructed of Rockite and shall comprise a hex-shaped top surface measuring approximately 16" diameter. Stumps shall be constructed of Rockite and shall comprise a log-shaped top surface measuring approximately 17" diameter. Pods and stumps shall measure 12" high without posts. Posts shall be constructed of 1-1/2" pipe with a 5-7/8" diameter mounting plate of 11 ga. G-90 galvanized solid welded to the posts. Post length shall be 38-5/16" before field assembly to pod or stump. Overall assembled length shall be 42".

Fasteners: All fasteners shall be Fastener Style A.

Finishes: The Rockite pod and stump steps shall have color molded in. The posts shall be finished in Mira-cote.

Wall Enclosures - Below Deck or Freestanding

714-816B
Wall Enclosure Below Deck

714-817B
Wall Enclosure w/Seat Below Deck

714-900B
Wall Enclosure w/Steering Wheel Below Deck

MODEL	PRODUCT	PROT. AREA	GRND. SPACE	CONCRETE
714-816B	Wall Enclosure Below Deck	NA	NA	NA
714-817B	Wall Enclosure w/Seat Below Deck	NA	NA	NA
714-900B	Wall Enclosure w/Steering Wheel Below Deck	NA	NA	NA

DESCRIPTION
These Wall Enclosures are designed for below deck or freestanding installation. Model 714-817B features a PVC-dipped steel seat. Model 714-900B features a plastic steering wheel designed to enhance imaginative play.

MATERIALS

Wall Enclosure/ Wall Enslosure w/ Steering Wheel: The wall enclosures shall consist of a top and bottom rail and end uprights of 1" pipe with spoked infill of 3/4" x 1" oval tube, all solid welded.

Steering Wheel Mounting Bracket: The steering wheel mounting bracket shall be 7 ga. G-90 Galvanized sheet welded to the wall enclosure.

Steering Wheel: The steering wheel shall be constructed of a high density polyethylene produced from high performance, U.V. stabilized rotational molding grade resins with a comprehensive additive package. These resins shall be tested in accordance with ASTM testing procedures D-1505, D-1248, D-1693(b), D-638, D-790, and D-746. Resin's properties shall exhibit a balance of toughness, rigidity, environmental stress crack resistance, and excellent low temperature impact performance. Wall thickness shall be 1/8". The steering wheel hub cover shall be constructed of injection molded polypropylene which contains U.V. light stabilizers.

Wall Enclosures - Below Deck or Freestanding

MATERIALS cont.

Wall Enclosure w/ Seat: The wall enclosure with seat shall comprise a top and bottom rail and end uprights constructed of 1" pipe and spoked infill of 3/4" x 1" oval tube and a seat assembly, all solid welded. The seat assembly shall comprise a frame of 1" pipe with bolting brackets of sheet 7 ga. black HR CQ and a factory-assembled 19" wide seat constructed of 11 ga. sheet, perforated with a staggered pattern of 3/8" diameter holes at 5/8" apart center-to-center. The seat shall be approximately 14" from the deck surface.

Fasteners: The assembly shall contain Versalok Fasteners and Fastener Style A hardware.

Finishes: The wall enclosures and clamps shall have a Mira-Cote finish. The seat shall have a Mira-Therm finish. The steering wheel shall have color molded in.

Steering Wheel, Post Mount

714-900-P1
Steering Wheel, Post Mount

MODEL	PRODUCT	PROT. AREA	GRND. SPACE	CONCRETE
714-900-P1	Steering Wheel, Post Mount	NA	2' x 1'	NA

DESCRIPTION:
This Steering Wheel, Post Mount, is designed to provide driving simulation on any pre-existing deck post.

MATERIALS:

Steering Wheel: The steering wheel shall be constructed of a high density blow molded polyethylene produced from high performance, U.V. stabilized resins with a comprehensive additive package. These resins shall be tested in accordance with ASTM testing procedures D-1505, D-1248, D-1693(b), D-638, D-790, and D-746. Resin's properties shall exhibit a balance of toughness, rigidity, environmental stress crack resistance, and excellent low temperature impact performance. Wall thickness shall be 1/8". The steering wheel hub cover shall be constructed of injection molded polypropylene which shall contain U.V. light stabilizers.

Steering Column: The steering column shall be constructed of 2" pipe.

Fasteners: The assembly shall contain Fastener Style A hardware.

Finishes: The steering column shall have a Mira-Cote finish.

714-994

Fun Fones, Ground Level

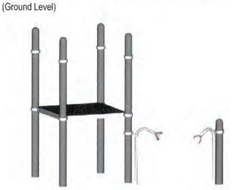
Two Fun Fone Assemblies (Ground Level)
Two Clamps
One 50' Pipe
Fasteners

714-994-1, 714-994-12* & 714-994-13*

Fun Fones, Ground Level to Freestanding Steel Post

* Model # 714-994-12 Fun Fones, Ground Level to Freestanding Aluminum Post & Model # 714-994-13 Fun Fones, Ground Level to Freestanding Steel Post not shown. Appearances are identical but material specifications differ.

Two Fun Fone Assemblies (Ground Level)
One 76" Steel Post
Two Clamps
One 50' Pipe
Fasteners



PLAYGROUND EQUIPMENT NOTE
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Revision No.	Description	Date	By	Apprvd. By

STOCKTON SOCCER COMPLEX UPGRADES

ALTERNATIVE NO. 2 - PLAYGROUND DESIGN REQUIREMENT

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY:	SHEET NO.
DESIGNED BY	PJS/MJK	DATE	C9.3
DRAWN BY	RRG		OF 51 SHEETS
CHECKED BY	PJS	CITY ENGINEER	PW1510
RECORD DWGS.		STOCKTON, CALIFORNIA	PROJECT NO.

5439,436

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ATTACHMENT B

Ground Level **Fun Fones™**

714-994-3

Add-A-Fone, Ground Level

One Fun Fone Assembly (Ground Level)
One Clamp
One Tee Coupling
One 50' Pipe
Fasteners

Ground Level **Fun Fones™**

MODEL #	PRODUCT	CONCRETE
714-994	Fun Fones, Ground Level	0.50 cu. yds.
714-994-1	Fun Fones, Ground Level to Freestanding Steel Post	0.50 cu. yds.
714-994-12	Fun Fones, Ground Level to Freestanding Aluminum Post	0.50 cu. yds.
714-994-13	Fun Fones, Ground Level to Freestanding Steel Post	0.50 cu. yds.
714-994-3	Add-A-Fone, Ground Level	0.25 cu. yds.

DESCRIPTION

Fun Fones feature two mouth pieces connected by tubing so that users may speak into one piece and be heard at the other piece, mounted up to 50' away. These models are designed for attachment to deck posts or freestanding posts. The Add-A-Fone model permits additional Fun Fones to be interconnected (up to four per line maximum recommended).

MATERIALS

Fun Fone Assembly: The Fun Fone assembly shall contain a mouth piece, formed tube, mounting stub, and anchor leg, all solid welded. The tube assembly shall be 2" pipe. The funnel-shaped mouth piece shall be 16 ga. galvanized steel. The stub and anchor leg shall be 1" pipe.

Tubing: The 2" I.D. tubing shall be 50' long and constructed of polyethylene.

Post: The steel post for Model # 714-994-1 shall be constructed of 5" tube, 11 ga. The aluminum post for Model # 714-994-12 shall be constructed of 5" aluminum tube. The steel post for Model # 714-994-13 shall be constructed of 5" tube. Each shall have a 5" round end cap mechanically to its top end. The post shall measure 76" long.

Pipe Connectors: The pipe connectors shall be constructed of rubber and shall contain hose clamps at each end.

Fasteners: The assembly shall contain Versalok Fasteners and Fastener Style A hardware.

Finishes: The Fun Fone assembly, post, and clamps shall have a Mira-Cote finish.

Concerto™ - Tall Chimes, Vibes, Cabasas and Congas

450-1, 450-1BD Tall Chimes

450-2, 450-2BD Vibes

450-3, 450-3BD Spin Small Cabasas

450-4, 450-4BD Spin Medium Cabasas

450-5, 450-5BD Spin Large Cabasas

450-6, 450-6BD Two-Congas

450-7, 450-7BD Three-Congas

450-8, 450-8BD Five-Congas

MODEL	PRODUCT
450-1	Concerto Tall Chimes, In Ground
450-1BD	Concerto Tall Chimes, Bolt Down
450-2	Concerto Vibes, In Ground
450-2BD	Concerto Vibes, Bolt Down
450-3	Concerto Spin Small Cabasas, In Ground
450-3BD	Concerto Spin Small Cabasas, Bolt Down
450-4	Concerto Spin Medium Cabasas, In Ground
450-4BD	Concerto Spin Medium Cabasas, Bolt Down
450-5	Concerto Spin Large Cabasas, In Ground
450-5BD	Concerto Spin Large Cabasas, Bolt Down
450-6	Concerto Two-Congas, In Ground
450-6BD	Concerto Two-Congas, Bolt Down
450-7	Concerto Three-Congas, In Ground
450-7BD	Concerto Three-Congas, Bolt Down
450-8	Concerto Five-Congas. In Ground
450-8BD	Concerto Five-Congas, Bolt Down

Concerto™ - Tall Chimes, Vibes, Cabasas and Congas

DESCRIPTION

The Concerto line of outdoor musical equipment allows children of all abilities to experience the joy and benefits of making music. Designed at a more accessible angle and height, these instruments can be played comfortably by all kids, including those with mobility devices.

Note: Chimes and Vibes must be installed OUTSIDE of the playground area in regions that follow CSA certification; chimes and vibes that are installed INSIDE of the playground area in regions that follow CSA certification, mallets **must not** be installed. This is in order to meet playground compliance since there are several issues with the instruments using mallets that will not meet the guidelines.

Weldment: Galvanized 14 ga. sheet; Galvanized 3mm sheet; 3/8" black sheet zinc plated; 1/4" black plated; and Galvanized 2" pipe.

Plastic Panels: 1/2" and 3/4" HDPE (high density polyethylene) sheets - Cabasas - Vibes

Hardware: 18-8 Stainless Steel, Tamper resistant - All Components

Coating: Super durable, electrostatically applied powder coat - All Components

Steel Posts: 5.00" OD x 11 gauge galvanized steel tubing - Congas post; 3.50" OD x 13 gauge galvanized steel tubing or 3.500" OD x 11 gauge galvanized steel tubing - Tall Chimes frame - Vibes post - Cabasas post

Aluminum: 6063 Aluminum - Chimes

Congas: ABS plastic

Post Caps: Aluminum

Freestanding **Saddle Seat**

945-1
Saddle Seat, Angled Post

945-2
Saddle Seat, Straight Post

MODEL #	PRODUCT	GRD. SPACE	PROT. AREA	CONCRETE
945-1	Saddle Seat, Angled Post	1'-2 1/2" x 1'-4 1/4"	13'-8 1/4" x 13'-10 1/4"	0.16 cu. yds.
945-2	Saddle Seat, Straight Post	1'-2 1/2" x 1'-4 1/4"	13'-8 1/4" x 13'-10 1/4"	0.16 cu. yds.

DESCRIPTION

The freestanding Saddle Seat is an amazing spinning component that supports the principles of inertia by keeping kids spinning merely by use of body weight. Entire assembly shall measure 70-5/8" in height, 18-5/8" in width and 16-13/16" in length.

MATERIALS

Seat: The seat shall be constructed of rotomolded Rockite® which shall be contoured for comfort and include water drain holes. Hand grips shall be molded into the sides.

Post Assembly: The spindle shaft shall be fully welded to a spacer constructed of 3/8" A36 hot rolled steel plate, which shall be fully welded to a post constructed of 3-1/2" x 13 ga. galvanized steel tubing. A base plate of 11 ga. galvanized sheet steel shall be welded to the bottom of the post to facilitate installation and retain the post in the concrete footing. Model # 945-1 post assembly shall have a 10° bend.

Hub/Spindle Assembly: Hub assembly shall comprise a 2,500 lb. capacity industrial trailer hub with tapered roller bearings. Bearings shall be packed with grease prior to assembly and protected against contaminants through an elastomeric seal around spindle shaft.

Fasteners: All fastening hardware shall be Fastener Style A.

Finishes: The Rockite® seat shall have color molded in. The post assembly and exposed hub surfaces shall be finished in Mira-Cote®

Risk Management Sign

Note: English version shown.

MODEL	PRODUCT	GROUND SPACE	CONCRETE
787	Risk Management Sign - English	1'-6" x 3'-6"	0.09 cu. yd.
787FR	Risk Management Sign - French	1'-6" x 3'-6"	0.09 cu. yd.
787SP	Risk Management Sign - Spanish	1'-6" x 3'-6"	0.09 cu. yd.

DESCRIPTION

The Risk Management Sign is intended to inform the parents and children that adult suprvision is recommended, along with smart play on the equipment in the play area.

MATERIAL

Sign: Aluminum 3003-H14 .08" thick-powder coated white with screen printed overlay.

Steel Frame: 2-3/8" OD 12 gauge galvanized steel tubing.

Extension Tube: 2.375 12GA GLV-IL X 24' tube round.

Hardware: Stainless steel that requiares tooling to install or remove.

Finish: The frame shall have a Mira-Cote finish.

model no:

PQT00, PQT05
LTPQT00, LTPQT05
MRPQT00, MRPQT05
ZZPQT00, ZZPQT05

3' BENCH WITH BACK – ROUND PERFORATED
SURFACE MOUNT & INGROUND

maintenance:

Regular inspection and maintenance of all parts, and fasteners is necessary. Tighten all bolts and nuts. Inspect Tops, Seats, Legs, Braces and Fasteners periodically for wear or vandalism. Replace broken or worn parts immediately or take equipment out of service until repairs are made.

To restore plastisol coating to its luster after prolonged use, wash/rinse/dry and use Armor–All ® or similiar quality vinyl protectant.

KEEP THIS ASSEMBLY/SPECIFICATION SHEET FOR FUTURE REFERENCE.

specifications: NOTE: We reserve the right to change specifications without notice.

Heat fused poly-vinyl coating, finished on inner-metal structure, to an approximate 3/16" thickness.
Framework assemblies are finished with powder coating; electrostatically applied and oven cured according to powder manufacturer's specifications. Fasteners are stainless steel to resist corrosion.

LEGS:
Main supports are constructed of 5" od x 13 gage structural steel tubing and 2 3/8" od x 13 gage structural steel tubing. The 5" tube cap consists of 13 gage sheet steel and the 2 3/8" tube cap consists of 16 gage sheet steel. Mounting brackets on legs are 10 gage sheet steel. Base plates are 1/4" thick plate steel.

SEAT:
The perforated seat panel uses 12 gage sheet steel.

GENERAL:
The 3' bench ground space requirements are: Surface Mount at 22" (559mm) x 46 3/8" (1179mm); Inground at 22" (559mm) x 45 1/8" (1146mm). The Seat is 21 1/16" (535mm) wide x 37 1/2" (953mm) long, 18 3/16" (462mm) to the top of the seat and 34 5/16" (871mm) to the top of the bench.

PLAYGROUND EQUIPMENT NOTE
ALL EQUIPMENT AND MATERIALS SHOWN ARE TO ILLUSTRATE MINIMUM REQUIREMENTS, EQUIVALENT PRODUCTS MAY BE SUBMITTED PROVIDED THEY MEET THE MINIMUM REQUIREMENTS SHOWN HEREON

REGISTERED PROFESSIONAL ENGINEER
PAUL J. SCHNEIDER
No. 62498
Exp. 09/30/21
CIVIL
STATE OF CALIFORNIA

DATE SIGNED: 06/08/21

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209-943-2021 www.siegfriedeng.com Fx: 209-942-0214

Revision No.	Description	Date	By	Apprvd. By

STOCKTON SOCCER COMPLEX UPGRADES

ALTERNATIVE NO. 2 - PLAYGROUND DESIGN REQUIREMENT

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY:	SHEET NO. C9.4
DESIGNED BY	PJS/MJK	DATE	OF 51 SHEETS
DRAWN BY	RRG		PW1510
CHECKED BY	PJS	CITY ENGINEER	PROJECT NO.
RECORD DWGS.		STOCKTON, CALIFORNIA	

5439.442

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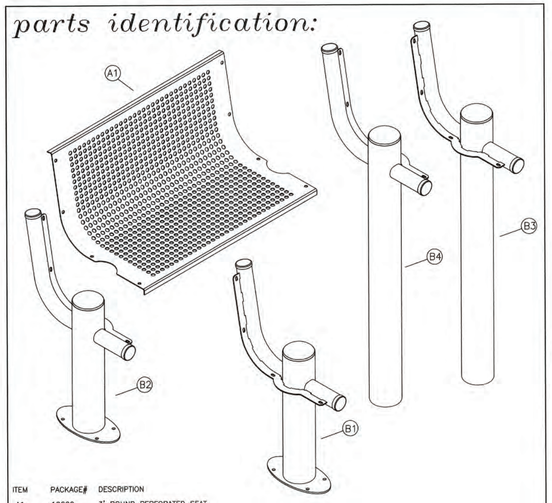
ATTACHMENT B

parts identification:



ITEM	PACKAGE#	DESCRIPTION
A1	10609	3' ROUND PERFORATED SEAT
B1, B2	10605	BENCH W/BACK S.M. RIGHT & LEFT LEG
B3, B4	10607	BENCH W/BACK ING RIGHT & LEFT LEG

hardware identification:

ITEMS INCLUDED IN HARDWARE PACKAGE #: 21067 (2)

ITEM	PART#	DESCRIPTION	QTY
D	17088C	5/16-18 x 1" TRUSS HEAD MACHINE SCREW - SS	8
E	17103	3/8" FLAT WASHER - SS	8
F	17032	5/16-18 HEX FINISH NUT - SS	8
G	17050	5/16" SPLIT LOCK WASHER - SS	8

ASSEMBLY TOOLS REQUIRED

1 - REGULAR TIP SCREWDRIVER
2 - 1/2" WRENCHES
1 - 3' OR 6' LEVEL

assembly procedures:

IMPORTANT: Assemblers should be reasonably skilled in the assembly of commercial grade/heavy duty fabricated steel equipment.

To ensure proper assembly, it is suggested that you take adequate time to locate and identify each part. To prevent scratching of the finished pieces, we recommend this unit to be assembled on a clean, flat, solid, surface with a drop cloth, allowing plenty of working room. Also please read the instructions and study the sketches very carefully. A little extra time spent before assembly will be well worth it in performing a complete, proper assembly. Please note that all parts have been precut and pre-drilled.

During the assembly process leave all bolts and nuts "finger tight", until the entire unit is completely assembled. This allows room for movement to level or adjust all seats, tops, benches, framework and braces if necessary. After final adjustment and leveling, permanently tighten all nuts, bolts and fasteners.

SURFACE MOUNT INSTRUCTIONS

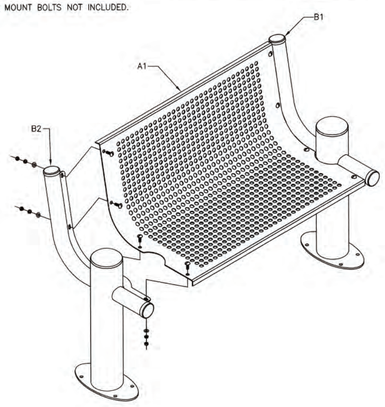
STEP 1
Attach seat (A1) to left leg (B1) using one 5/16" X 1" Truss Head Screw, one nut, one lock washer, and one flat washer, per each bolt hole.

STEP 2
Repeat STEP 1 to complete installation for opposite side.

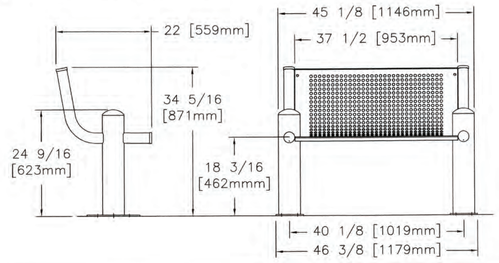
STEP 3
Level the seat and tighten with proper tools.

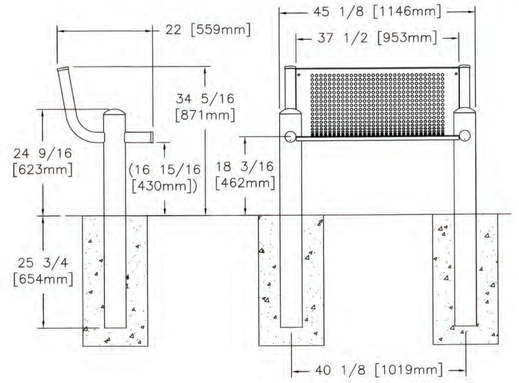
STEP 4
Prepare and place the foundations' securement hardware in its' chosen locaton. See page 4 for dimensions needed to complete surface mount installation.

NOTE: SURFACE MOUNT BOLTS NOT INCLUDED.



product dimensions:





assembly procedures cont.:

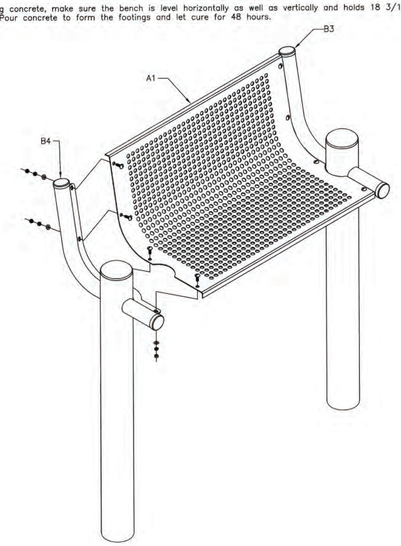
INGROUND INSTRUCTIONS

STEP 1
Attach seat (A1) to left leg (B3) using one 5/16" X 1" Truss Head Screw, one nut, one lock washer, and one flat washer, per each bolt hole.

STEP 2
Repeat STEP 1 to complete installation for opposite side.

STEP 3
Prepare two foundation holes. The distance of holes, center to center, are shown in a diagram on page 4. Rotate the bench to its' top-side up position and place the legs in the footing holes.

Before pouring concrete, make sure the bench is level horizontally as well as vertically and holds 18 3/16" to the top of the seat. Pour concrete to form the footings and let cure for 48 hours.



Hand Sanitizer - Touchless, Receptacle

This hand sanitizer enclosure provides a touchless experience for users. It holds up to 1250ml of hand sanitizer and features our durable 14-gauge locking steel case with an opening at the bottom for your touchless dispenser unit. Usage instructions are printed on the front of the station in English and Spanish.

NOTE: Hand sanitizer dispenser and liquid not included.

Features and Benefits:

- Durable steel, locking enclosure for hand sanitizer
- Designed for touchless hand sanitizer dispensers
- Also available without waste bin
- Available in all of our standard powder coat paint finishes

Model: S9904I

Limited Lifetime Warranty on uprights, hardware and connections. Visit **gametime.com/warranty** for full warranty information

PLAYGROUND EQUIPMENT NOTE
ALL EQUIPMENT AND MATERIALS SHOWN ARE TO ILLUSTRATE MINIMUM REQUIREMENTS, EQUIVALENT PRODUCTS MAY BE SUBMITTED PROVIDED THEY MEET THE MINIMUM REQUIREMENTS SHOWN HEREON

REGISTERED PROFESSIONAL ENGINEER
PAUL J. SCHNEIDER
No. 62498
Exp. 09/30/21
CIVIL
STATE OF CALIFORNIA

DATE SIGNED: 06/08/21

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Revision No.	Description	Date	By	Apprvd. By

STOCKTON SOCCER COMPLEX UPGRADES

ALTERNATIVE NO. 2 - PLAYGROUND DESIGN REQUIREMENT

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY:	SHEET NO. C9.5
DESIGNED BY	PJS/MJK	DATE	OF 51 SHEETS
DRAWN BY	RRG		PW1510 -
CHECKED BY	PJS	CITY ENGINEER	PROJECT NO.
RECORD DWGS.		STOCKTON, CALIFORNIA	

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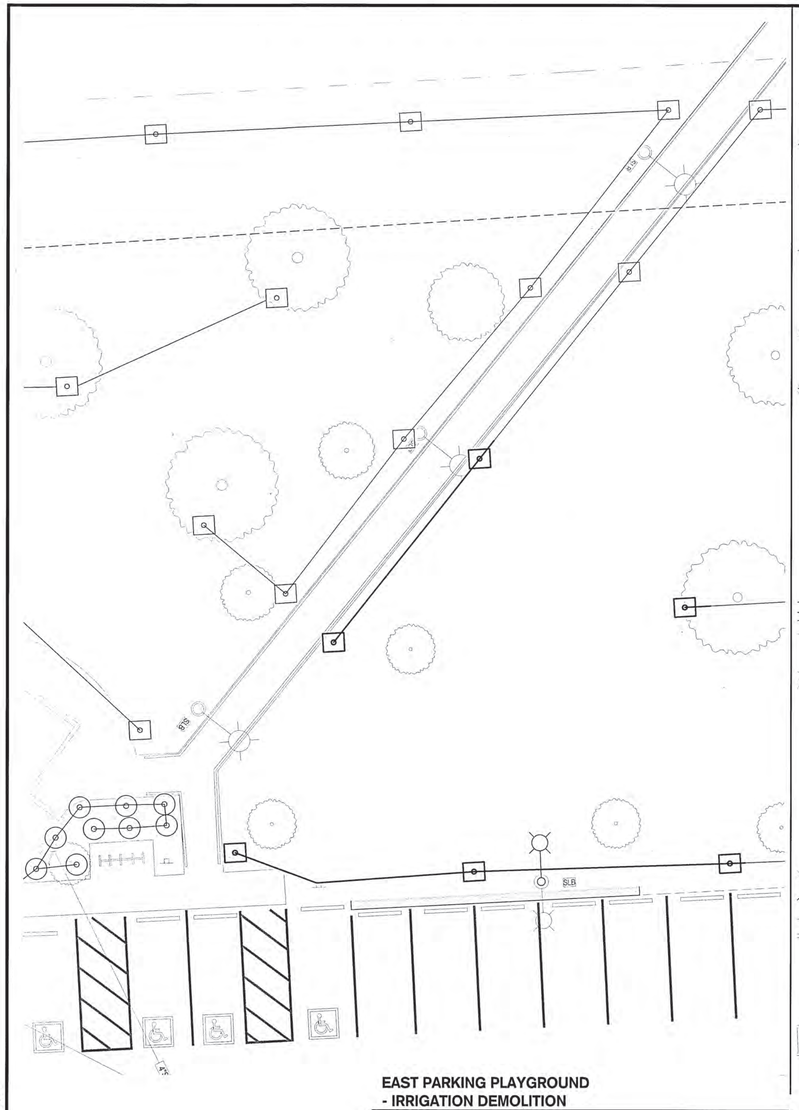
ATTACHMENT B



EAST PARKING PLAYGROUND
- IRRIGATION DEMOLITION
SCALE: 1" = 20'

EAST PARKING PLAYGROUND
- IRRIGATION PROPOSED
SCALE: 1" = 20'

IRRIGATION EQUIPMENT AND PIPING IS DIAGRAMMATIC FOR GRAPHICAL CLARITY.

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

IRRIGATION DEMOLITION NOTES

1. COORDINATE WITH CITY OF STOCKTON REPRESENTATIVE FOR LOCATIONS OF ALL GATE VALVES AND SHUT-OFF DEVICES PRIOR TO DEMOLITION.
2. INFORMATION ON VALVES AND ZONES BASED ON AS-BUILTS PROVIDED BY CITY REPRESENTATIVE AND ORIGINAL CONSTRUCTION DOCUMENTS AND FOR REFERENCE ONLY. FOR ANY SITE QUESTIONS OR COORDINATION , CONTACT CITY REPRESENTATIVE, AND NOTIFY LANDSCAPE ARCHITECT.
3. VALVES AND MAINLINES ARE NOT ACTUAL AND NEED TO BE CONFIRMED BY CONTRACTOR. CONTRACTOR SHALL PROTECT CONTROLLER WIRES FOR EXISTING VALVES TO REMAIN.
4. CONTRACTOR IS RESPONSIBLE TO MAINTAIN AND IRRIGATE AREAS OF PLANT MATERIAL TO REMAIN. TEMPORARY IRRIGATION METHODS NEED TO BE DONE TO MAINTAIN HEALTH OF PLANTS UNTIL PERMANENT IRRIGATION SYSTEM IS INSTALLED.
5. CONTRACTOR IS RESPONSIBLE FOR REPLACEMENT OF ANY TURF AND PLANTS THAT DIE AS A RESULT OF THE CONTRACTOR'S OPERATIONS, ALL TO THE SATISFACTION OF THE PUBLIC WORKS PARK SECTION SUPERVISOR.

IRRIGATION EXISTING / DEMOLITION LEGEND

- ICV C5 — Existing irrigation valve to remain
- Existing Irrigation heads to remain
- Existing Lateral Line to remain
- Existing Main Line to remain
- Existing Gate valve to remain
- ICV C5 — Irrigation valve to be removed
- Irrigation nozzle to be removed
- Existing Lateral Line to be removed
- Main Line to be removed
- Gate Valves to be removed
- QC — Quick Coupling valve to be removed

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EXISTING IRRIGATION NOTES

1. EXISTING IRRIGATION LAYOUT BASED PLANS PROVIDED FROM CLIENT AND ARE SCHEMATIC AND FOR REFERENCE ONLY.
2. EXISTING HEAD LAYOUT MUST BE FIELD VERIFIED PRIOR TO CONSTRUCTION.
3. MAINLINE AND LATERAL LAYOUT IS TO BE FIELD VERIFIED BY CONTRACTOR.
4. VALVE NUMBERING AND ASSOCIATION TO CONTROLLER TO BE VERIFIED BY CONTRACTOR.

IRRIGATION PROPOSED LEGEND

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
08HE-VAN 12HE-VAN 10HE-VAN 15HE-VAN	Rain Bird 1806-U-SAM-PRS HE-VAN Series Turf Spray 6.0" Pop-Up Sprinkler with Co-Molded Wiper Seal. 1/2" NPT Female Threaded Inlet. With Seal-A-Matic Check Valve, and Pressure Regulating.	20

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	Griswold 2030K 1-1/2" Low Power Solenoid, Normally Closed Remote Control Valve. Cast Iron and Bronze Material. With Watts 2" B-6080-SS-SH ball valve isolating the manifold from the mainline.	1
	Irrigation Lateral Line: PVC Schedule 40	355.4 l.f.
S	2-Station Switch RCO #RCO860005 or equal Operate Multiple Valves from a Single Station. Switch Hitter is designed to allow a single station on a controller to operate multiple solenoid valves. Each of the valves can be independently timed at the Switch Hitter unit from 1 to 255 minutes in 1 minute increments. The Switch Hitter can allow easy expansion of an existing irrigation system without a larger controller and/or trenching wiring.	

IRRIGATION NOTES

1. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH LOCAL CODES AND REQUIREMENTS.
2. THE INTENT OF THIS IRRIGATION SYSTEM IS TO PROVIDE THE MINIMUM AMOUNT OF WATER REQUIRED TO SUSTAIN GOOD PLANT HEALTH. CONTRACTOR SHALL GUARANTEE 100% COVERAGE OF SYSTEM.
3. SPLICING OF 24 VOLT WIRES IS NOT PERMITTED EXCEPT IN VALVE BOXES. LEAVE A 36" LONG, 6" DIAMETER COIL OF EXCESS WIRE AT EACH SPLICE AND A 36" LONG EXPANSION LOOP EVERY 100 FEET ALONG WIRE RUN. TAPE WIRE TOGETHER EVERY TEN FEET. TAPING WIRES IS NOT REQUIRED INSIDE SLEEVES. RUN WIRE FROM EACH REMOTE CONTROL VALVE TO THE CONTROLLER. ALL CONTROLLER WIRES TO BE INDEXED AT VALVES AND CONTROLLER.
4. ONE VALVE PER 14" x 19" BOX WITH ISOLATION GATE VALVE. PLASTIC VALVE COVERS TO BE GREEN IN COLOR. LIDS TO BE T-STYLE NON-HINGED COVERS MARKED IRRIGATION. BOX BODY SHALL HAVE KNOCK-OUTS WITH BOLT-DOWN LIDS.
5. INSTALL NEW REMOTE CONTROL VALVE BOXES 12" FROM WALK, CURB, LAWN, HEADER BOARD, BUILDING, OR LANDSCAPE FEATURE. AT MULTIPLE VALVE BOX GROUPS, EACH BOX SHALL BE AN EQUAL DISTANCE FROM THE WALK, CURB, LAWN, ETC. AND EACH BOX SHALL BE 12" APART. SHORT SIDE OF RECTANGULAR VALVE BOXES SHALL BE PARALLEL TO WALK, CURB, LAWN, ETC.
6. CONTRACTOR SHALL STABILIZE IRRIGATION VALVES DURING CONSTRUCTION UNTIL BACKFILLING IS COMPLETED.
7. THIS PLAN IS DIAGRAMMATIC. ALL PIPING, VALVES, ETC. SHOWN WITHIN PAVED AREAS IS FOR DESIGN CLARIFICATION ONLY AND SHALL BE INSTALLED IN PLANTING AREAS WHERE POSSIBLE. AVOID ANY CONFLICTS BETWEEN THE SPRINKLER SYSTEM AND PLANTING AND ARCHITECTURAL FEATURES. CONTRACTOR IS RESPONSIBLE FOR HEAD SPRAY AWAY FROM BUILDING.
8. THE CONTRACTOR SHALL FLUSH ALL LINES AND ADJUST ALL HEADS FOR MAXIMUM PERFORMANCE AND TO MINIMIZE OVERSPRAY ON TO WALKS, WALLS, FENCES, DRIVES, AND BUILDINGS AS MUCH AS POSSIBLE. THIS SHALL INCLUDE SELECTING THE BEST DEGREE OF ARC TO FIT EXISTING CONDITIONS AND TO THROTTLE THE FLOW CONTROL AT EACH VALVE TO OBTAIN THE OPTIMUM OPERATING PRESSURE FOR EACH SYSTEM.
9. ALL SPRINKLER HEADS SHALL BE SET PERPENDICULAR TO FINISH GRADE OF THE AREA TO BE IRRIGATED UNLESS OTHERWISE NOTED ON THE DRAWINGS.
10. ALL PVC SLEEVES UNDER PAVEMENT AND ROADWAYS TO BE SCH. 40. SLEEVES TO BE TWICE THE DIAMETER OF PIPE OR WIRE BUNDLE THAT WILL PASS THROUGH SLEEVE. CHANGE ALL RING-TITE PIPE THAT WOULD PASS THROUGH SLEEVES TO CLASS 315 SOLVENT WELD PIPE OF SAME SIZE.
11. PROVIDE A MINIMUM 24" COVER OVER ALL MAIN LINE PIPING AND 18" OVER ALL LATERAL LINES.
12. THE CONTRACTOR SHALL NOT WILLFULLY INSTALL THE SYSTEM AS DESIGNED WHEN IT IS OBVIOUS IN THE FIELD THAT OBSTRUCTIONS OR GRADE DIFFERENCES EXIST THAT WERE NOT IDENTIFIED IN THE DRAWINGS. SUCH CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE. OTHERWISE, THE CONTRACTOR MUST ASSUME FULL RESPONSIBILITY FOR ANY NECESSARY REVISIONS.
13. ALL WIRE CONNECTIONS TO BE MADE IN VALVE BOX WITH WATER TIGHT CONNECTORS PER THE MANUFACTURERS DIRECTIONS. WIRE SPLICES SHALL NOT BE PERMITTED UNLESS APPROVED BY THE OWNER'S REPRESENTATIVE. WIRE SPLICE LOCATIONS MUST BE INDICATED ON "AS-BUILTS".
14. IN NO CASE SHALL IRRIGATION OF THE FIELD AREAS BE INTERRUPTED FOR MORE THAN ONE EVENING DURING ANY 10 CALENDAR DAY PERIOD BETWEEN THE MONTHS OF APRIL THROUGH OCTOBER, OR WHEN THE AVERAGE DAYTIME TEMPERATURE FOR THE PRIOR 10 CALENDAR DAYS EXCEEDS 75 DEGREES. ANY PLANNED INTERRUPTION OF THE IRRIGATION SYSTEM OPERATION SHALL BE APPROVED BY THE CITY PUBLIC WORKS PARK SECTION SUPERVISOR AT LEAST TWO WEEKS AHEAD OF PLANNED INTERRUPTION..
15. ALL IRRIGATION REPAIRS SHALL BE PERFORMED BY AN EXPERIENCED C27 LICENSED (LANDSCAPE) CONTRACTOR. THE CONTRACTOR SHALL COORDINATE A FIELD TEST OF THE ENTIRE IRRIGATION SYSTEM AND DEMONSTRATE PROPER OPERATION OF THE IRRIGATION IN ALL AREAS IMPACTED BY CONSTRUCTION PRIOR TO FINAL ACCEPTANCE BY THE CITY.
16. ALL REPAIR WORK SHALL BE SUBJECT TO REVIEW AND APPROVAL BY THE PUBLIC WORKS SUPERVISOR FOR PARKS PRIOR TO BURIAL AND WARRANTED FOR LABOR AND MATERIALS FOR 1-YEAR AFTER FINAL PROJECT ACCEPTANCE.

0' 5' 10' 20'
SCALE: 1"=10'

LICENSED LANDSCAPE ARCHITECT — ROBERT J. NORBUT — No.5595 — Signature — Exp. 11/30/22 — STATE OF CALIFORNIA

DATE SIGNED: 06/08/21

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STOCKTON SOCCER COMPLEX UPGRADES

ALTERNATIVE NO. 2 - PLAYGROUND IRRIGATION PLAN

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

Revision No.	Description	Date	By	Apprvd. By

SCALE	AS SHOWN	APPROVED BY:	SHEET NO.
DESIGNED BY	PJS/MJK	DATE:	C9.6
DRAWN BY	RRG		OF 51 SHEETS
CHECKED BY	PJS	CITY ENGINEER	PW1510
RECORD DWGS.		STOCKTON, CALIFORNIA	PROJECT NO.

5439.462

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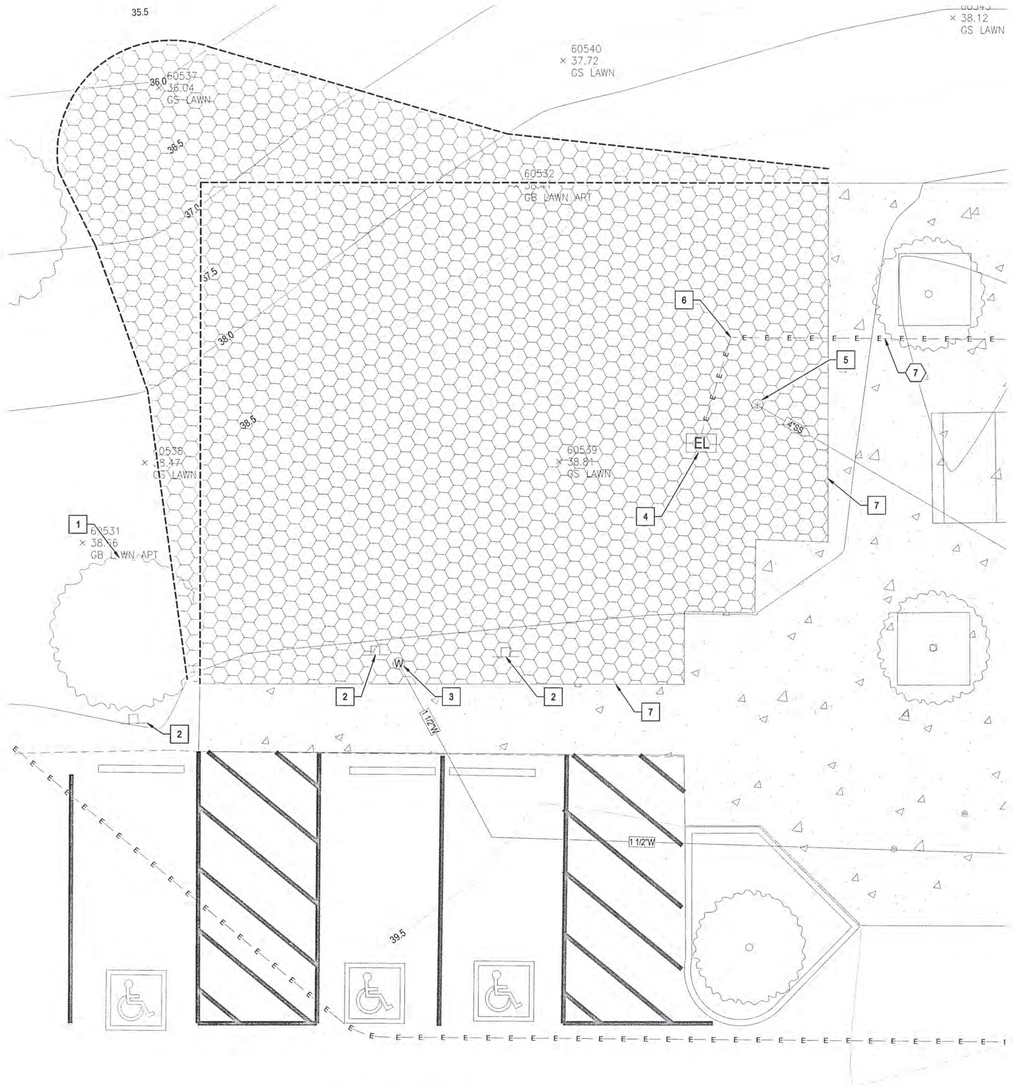
ATTACHMENT B



FOOD TRUCK DEMOLITION PLAN

SCALE: 1" = 10'

DEMOLITION NOTES:

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

DEMOLITION LEGEND

CLEAR AND GRUB

DEMOLITION KEY NOTES:

1	PROTECT IN PLACE, EXISTING TREE
2	PROTECT IN PLACE, EXISTING ADA PARKING SIGN
3	PROTECT IN PLACE, EXISTING IRRIGATION CONTROL VALVE
4	PROTECT IN PLACE, EXISTING ELECTRICAL PULL BOX. ADJUST TO FINISHED GRADE
5	PROTECT IN PLACE, EXISTING SANITARY SEWER CLEANOUT
6	PROTECT IN PLACE, EXISTING ELECTRICAL CONDUIT
7	PROTECT IN PLACE, EXISTING CONCRETE

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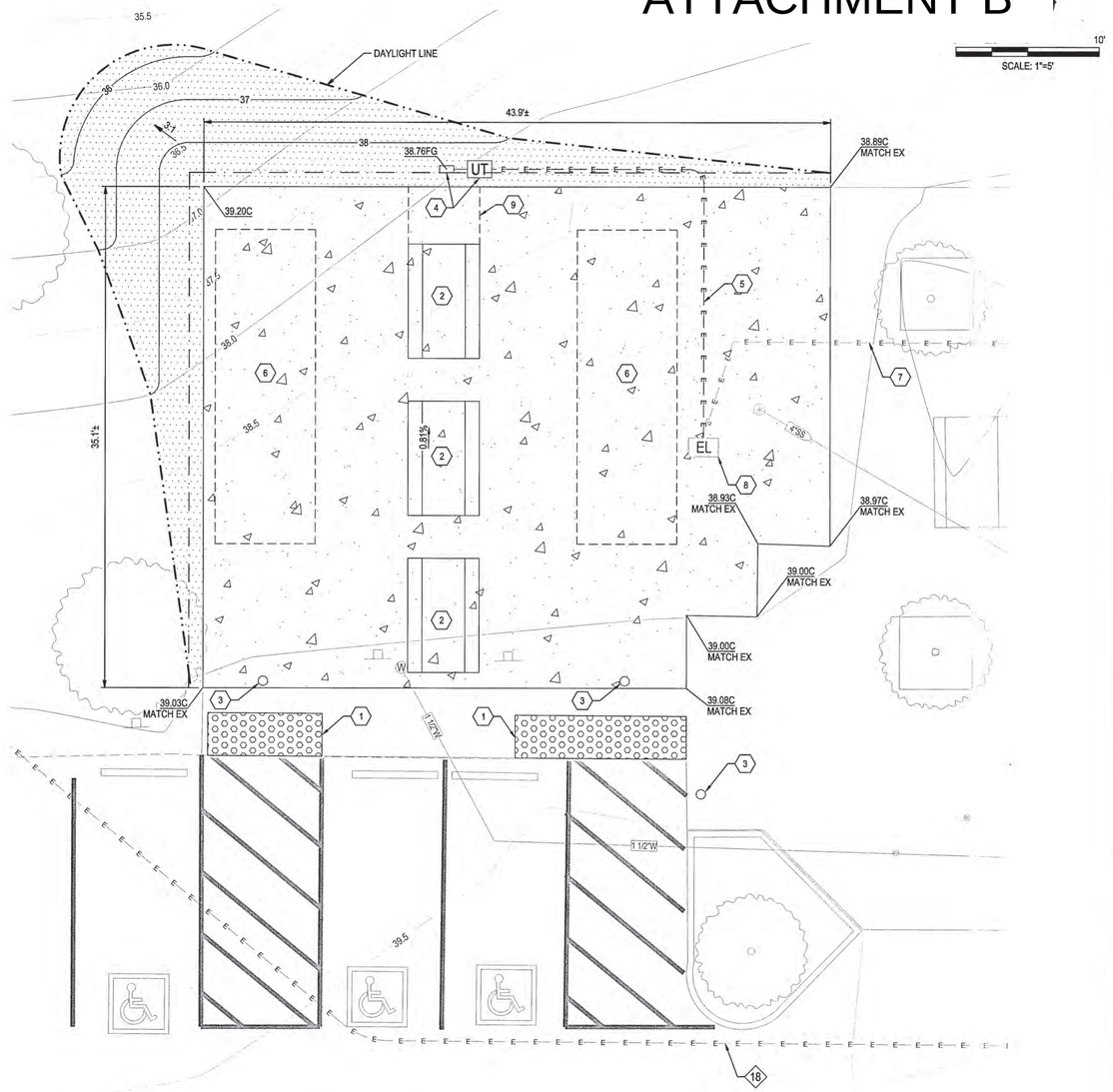

FOOD TRUCK PLAN

SCALE: 1" = 10'

IMPROVEMENTS KEY NOTES:

1	TRUNCATED DOMES, SEE SHEET C6.0 DETAIL 7
2	IN GROUND TABLE, SEE SHEET C6.1 DETAIL 2 (COMPLY WITH CBC 11B-226, 11B-306.1, 11B-901.3 AND 11B-902)
3	REMOVABLE BOLLARD , SEE COS DWG. NO. M-7
4	NEW PULL BOX AND PEDESTAL FOR FOOD TRUCKS, SEE SHEET E3.0 DETAIL 3, ELECTRICAL RECEPTACLE TO BE SET AT 19.4" ABOVE FINISH GRADE TO EL 40.37
5	INSTALL 2" PVC CONDUIT WITH (6) - #10 WIRES
6	FOOD TRUCK PARKING AREA
7	EXISTING 2" CONDUIT WITH PULL STRING FROM PANEL C1 IN RESTROOM BUILDING
8	SET EXISTING PULL BOX TO GRADE
9	COMPANION SEATING AREA, SEE SHEET C6.1 DETAIL 2

LEGEND:

CONCRETE PAVEMENT
6" 3,000 PSI P.C.C. WITH #4 BARS @ 18" O.C. EACH WAY, OVER 6" CLASS II AB OVER 8" NATIVE, COMPACTED TO 92% RELATIVE COMPACTION

CONTRACTOR TO REPAIR TURF AND IRRIGATION, AND TO ENSURE HEAD TO HEAD COVERAGE

31.0 EXISTING GROUND CONTOUR

31.0 PROPOSED GROUND CONTOUR

REGISTERED PROFESSIONAL ENGINEER PAUL J. SCHNEIDER No. 62498 Exp. 09/30/21 CIVIL STATE OF CALIFORNIA

DATE SIGNED: 06/08/21

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209-943-2021 www.siegfriedeng.com Fx: 209-942-0214

Revision No.	Description	Date	By	Apprvd. By

STOCKTON SOCCER COMPLEX UPGRADES

ALTERNATIVE NO. 3 - FOOD TRUCK PLAN

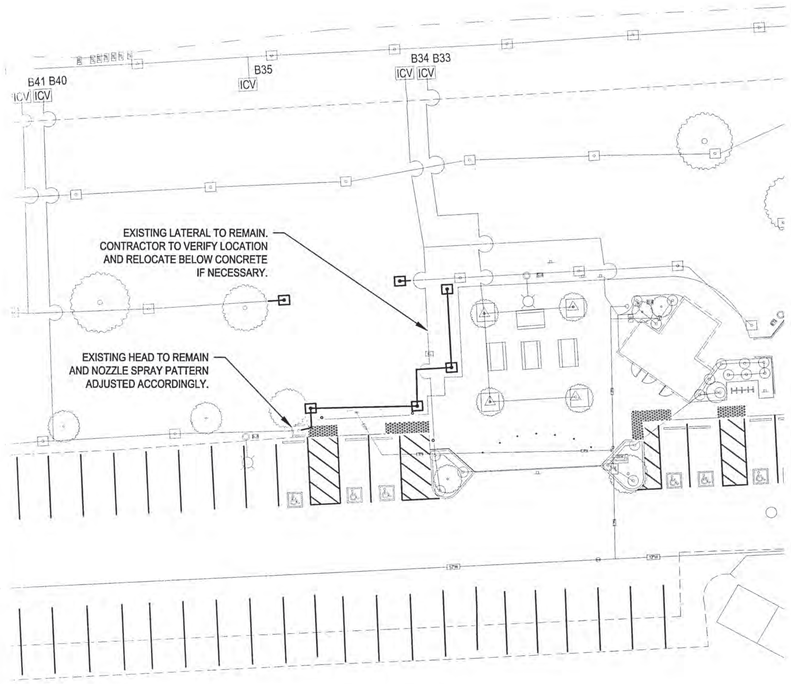
DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY: 6/23/21 DATE	SHEET NO. C10.0
DESIGNED BY	PJS/MJK		OF 51 SHEETS
DRAWN BY	RRG		PW1510 - PROJECT NO.
CHECKED BY	PJS	CITY ENGINEER STOCKTON, CALIFORNIA	
RECORD DWGS.			

5439.476

F:\19projects\19128 COS Stockton Soccer Complex Upgrades\Plans and Graphics\Improvement Plans\19128-C11.0-ADD ALT 2 FOOD TRUCK.dwg — 06/08/21

ATTACHMENT B

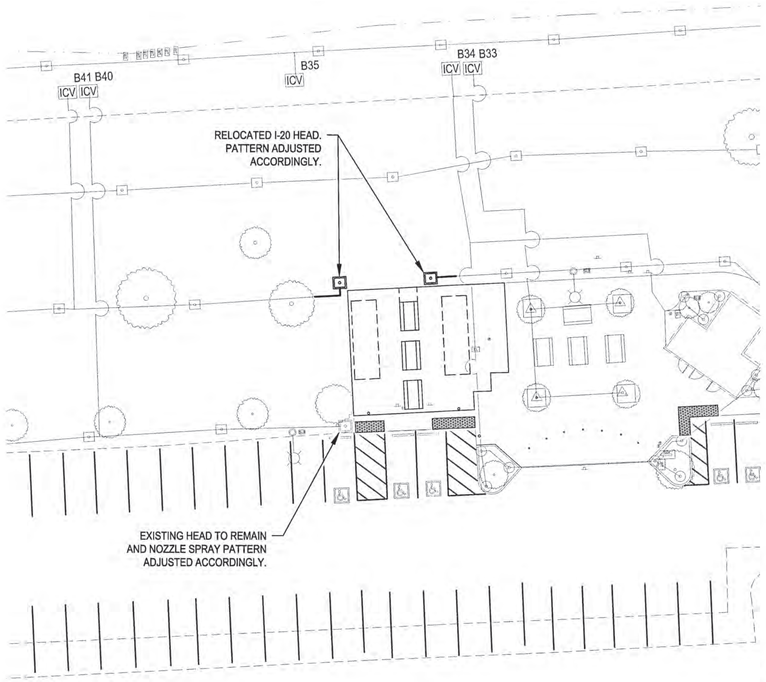


EAST PARKING FOOD TRUCK - IRRIGATION DEMOLITION

SCALE: 1" = 20'

EXISTING IRRIGATION NOTES

1. EXISTING IRRIGATION LAYOUT BASED PLANS PROVIDED FROM CLIENT AND ARE SCHEMATIC AND FOR REFERENCE ONLY.
2. EXISTING HEAD LAYOUT MUST BE FIELD VERIFIED PRIOR TO CONSTRUCTION.
3. MAINLINE AND LATERAL LAYOUT IS TO BE FIELD VERIFIED BY CONTRACTOR.
4. VALVE NUMBERING AND ASSOCIATION TO CONTROLLER TO BE VERIFIED BY CONTRACTOR.



EAST PARKING FOOD TRUCK - IRRIGATION PROPOSED

SCALE: 1" = 20'

IRRIGATION EQUIPMENT AND PIPING IS DIAGRAMMATIC FOR GRAPHICAL CLARITY.

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

0' 10' 20' 40'

SCALE: 1"=20'

IRRIGATION EXISTING LEGEND

- Hunter I-40 Large Area Lawn
- Hunter I-20 Medium Area Lawn
- Rainbird 1401 Tree Bubbler (2 per symbol)
- Rainbird 1812 Shrub Pop-up
- Existing Lateral Line to remain
- Existing Main Line to remain
- Existing Gate valve to remain
- ICV C5 — Irrigation valve to be removed
- Irrigation nozzle to be removed
- Existing Lateral Line to be removed
- Main Line to be removed
- Gate Valves to be removed
- QC — Quick Coupling valve to be removed

IRRIGATION PROPOSED LEGEND

- ICV C5 — Relocated Irrigation Valve
- Relocated Irrigation heads
- Hunter I-40 Large Area Lawn
- Hunter I-20 Medium Area Lawn
- Rainbird 1401 Tree Bubbler (2 per symbol)
- Rainbird 1812 Shrub Pop-up
- New Lateral Line
- New Main Line

IRRIGATION NOTES

1. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH LOCAL CODES AND REQUIREMENTS.
2. THE INTENT OF THIS IRRIGATION SYSTEM IS TO PROVIDE THE MINIMUM AMOUNT OF WATER REQUIRED TO SUSTAIN GOOD PLANT HEALTH. CONTRACTOR SHALL GUARANTEE 100% COVERAGE OF SYSTEM.
3. SPLICING OF 24 VOLT WIRES IS NOT PERMITTED EXCEPT IN VALVE BOXES. LEAVE A 36" LONG, 6" DIAMETER COIL OF EXCESS WIRE AT EACH SPLICE AND A 36" LONG EXPANSION LOOP EVERY 100 FEET ALONG WIRE RUN. TAPE WIRE TOGETHER EVERY TEN FEET. TAPING WIRES IS NOT REQUIRED INSIDE SLEEVES. RUN WIRE FROM EACH REMOTE CONTROL VALVE TO THE CONTROLLER. ALL CONTROLLER WIRES TO BE INDEXED AT VALVES AND CONTROLLER.
4. ONE VALVE PER 14" x 19" BOX WITH ISOLATION GATE VALVE. PLASTIC VALVE COVERS TO BE GREEN IN COLOR. LIDS TO BE T-STYLE NON-HINGED COVERS MARKED IRRIGATION. BOX BODY SHALL HAVE KNOCK-OUTS WITH BOLT-DOWN LIDS.
5. INSTALL NEW REMOTE CONTROL VALVE BOXES 12" FROM WALK, CURB, LAWN, HEADER BOARD, BUILDING, OR LANDSCAPE FEATURE. AT MULTIPLE VALVE BOX GROUPS, EACH BOX SHALL BE AN EQUAL DISTANCE FROM THE WALK, CURB, LAWN, ETC. AND EACH BOX SHALL BE 12" APART. SHORT SIDE OF RECTANGULAR VALVE BOXES SHALL BE PARALLEL TO WALK, CURB, LAWN, ETC.
6. CONTRACTOR SHALL STABILIZE IRRIGATION VALVES DURING CONSTRUCTION UNTIL BACKFILLING IS COMPLETED.
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8. THE CONTRACTOR SHALL FLUSH ALL LINES AND ADJUST ALL HEADS FOR MAXIMUM PERFORMANCE AND TO MINIMIZE OVERSPRAY ON TO WALKS, WALLS, FENCES, DRIVES, AND BUILDINGS AS MUCH AS POSSIBLE. THIS SHALL INCLUDE SELECTING THE BEST DEGREE OF ARC TO FIT EXISTING CONDITIONS AND TO THROTTLE THE FLOW CONTROL AT EACH VALVE TO OBTAIN THE OPTIMUM OPERATING PRESSURE FOR EACH SYSTEM.
9. ALL SPRINKLER HEADS SHALL BE SET PERPENDICULAR TO FINISH GRADE OF THE AREA TO BE IRRIGATED UNLESS OTHERWISE NOTED ON THE DRAWINGS.
10. ALL PVC SLEEVES UNDER PAVEMENT AND ROADWAYS TO BE SCH. 40. SLEEVES TO BE TWICE THE DIAMETER OF PIPE OR WIRE BUNDLE THAT WILL PASS THROUGH SLEEVE. CHANGE ALL RING-TITE PIPE THAT WOULD PASS THROUGH SLEEVES TO CLASS 315 SOLVENT WELD PIPE OF SAME SIZE.
11. PROVIDE A MINIMUM 24" COVER OVER ALL MAIN LINE PIPING AND 18" OVER ALL LATERAL LINES.
12. THE CONTRACTOR SHALL NOT WILLFULLY INSTALL THE SYSTEM AS DESIGNED WHEN IT IS OBVIOUS IN THE FIELD THAT OBSTRUCTIONS OR GRADE DIFFERENCES EXIST THAT WERE NOT IDENTIFIED IN THE DRAWINGS. SUCH CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE. OTHERWISE, THE CONTRACTOR MUST ASSUME FULL RESPONSIBILITY FOR ANY NECESSARY REVISIONS.
13. ALL WIRE CONNECTIONS TO BE MADE IN VALVE BOX WITH WATER TIGHT CONNECTORS PER THE MANUFACTURERS DIRECTIONS. WIRE SPLICES SHALL NOT BE PERMITTED UNLESS APPROVED BY THE OWNER'S REPRESENTATIVE. WIRE SPLICE LOCATIONS MUST BE INDICATED ON "AS-BUILTS".
14. IN NO CASE SHALL IRRIGATION OF THE FIELD AREAS BE INTERRUPTED FOR MORE THAN ONE EVENING DURING ANY 10 CALENDAR DAY PERIOD BETWEEN THE MONTHS OF APRIL THROUGH OCTOBER, OR WHEN THE AVERAGE DAYTIME TEMPERATURE FOR THE PRIOR 10 CALENDAR DAYS EXCEEDS 75 DEGREES. ANY PLANNED INTERRUPTION OF THE IRRIGATION SYSTEM OPERATION SHALL BE APPROVED BY THE CITY PUBLIC WORKS PARK SECTION SUPERVISOR AT LEAST TWO WEEKS AHEAD OF PLANNED INTERRUPTION.
15. ALL IRRIGATION REPAIRS SHALL BE PERFORMED BY AN EXPERIENCED C27 LICENSED (LANDSCAPE) CONTRACTOR. THE CONTRACTOR SHALL COORDINATE A FIELD TEST OF THE ENTIRE IRRIGATION SYSTEM AND DEMONSTRATE PROPER OPERATION OF THE IRRIGATION IN ALL AREAS IMPACTED BY CONSTRUCTION PRIOR TO FINAL ACCEPTANCE BY THE CITY.
16. ALL REPAIR WORK SHALL BE SUBJECT TO REVIEW AND APPROVAL BY THE PUBLIC WORKS SUPERVISOR FOR PARKS PRIOR TO BURIAL AND WARRANTED FOR LABOR AND MATERIALS FOR 1-YEAR AFTER FINAL PROJECT ACCEPTANCE.

IRRIGATION DEMOLITION NOTES

1. COORDINATE WITH CITY OF STOCKTON REPRESENTATIVE FOR LOCATIONS OF ALL GATE VALVES AND SHUT-OFF DEVICES PRIOR TO DEMOLITION.
2. INFORMATION ON VALVES AND ZONES BASED ON AS-BUILTS PROVIDED BY CITY REPRESENTATIVE AND ORIGINAL CONSTRUCTION DOCUMENTS AND FOR REFERENCE ONLY. FOR ANY SITE QUESTIONS OR COORDINATION , CONTACT CITY REPRESENTATIVE, AND NOTIFY LANDSCAPE ARCHITECT.
3. VALVES AND MAINLINES ARE NOT ACTUAL AND NEED TO BE CONFIRMED BY CONTRACTOR. CONTRACTOR SHALL PROTECT CONTROLLER WIRES FOR EXISTING VALVES TO REMAIN.
4. CONTRACTOR IS RESPONSIBLE TO MAINTAIN AND IRRIGATE AREAS OF PLANT MATERIAL TO REMAIN. TEMPORARY IRRIGATION METHODS NEED TO BE DONE TO MAINTAIN HEALTH OF PLANTS UNTIL PERMANENT IRRIGATION SYSTEM IS INSTALLED.
5. CONTRACTOR IS RESPONSIBLE FOR REPLACEMENT OF ANY TURF AND PLANTS THAT DIE AS A RESULT OF THE CONTRACTOR'S OPERATIONS, ALL TO THE SATISFACTION OF THE PUBLIC WORKS PARK SECTION SUPERVISOR.

LICENSED LANDSCAPE ARCHITECT — ROBERT J. NORBUTAS — No.5595 — Signature — Exp. 11/30/22 — STATE OF CALIFORNIA

DATE SIGNED: 06/08/21

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209-943-2021 www.siegfriedeng.com Fx: 209-942-0214

Revision No.	Description	Date	By	Approvd. By

STOCKTON SOCCER COMPLEX UPGRADES

ALTERNATIVE NO. 3 - FOOD TRUCK IRRIGATION PLAN

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY:	SHEET NO.
DESIGNED BY	PJS/MJK	DATE	C10.1
DRAWN BY	RRG		OF 51 SHEETS
CHECKED BY	PJS	CITY ENGINEER	PW1510
RECORD DWGS.		STOCKTON, CALIFORNIA	PROJECT NO.

5439.48C

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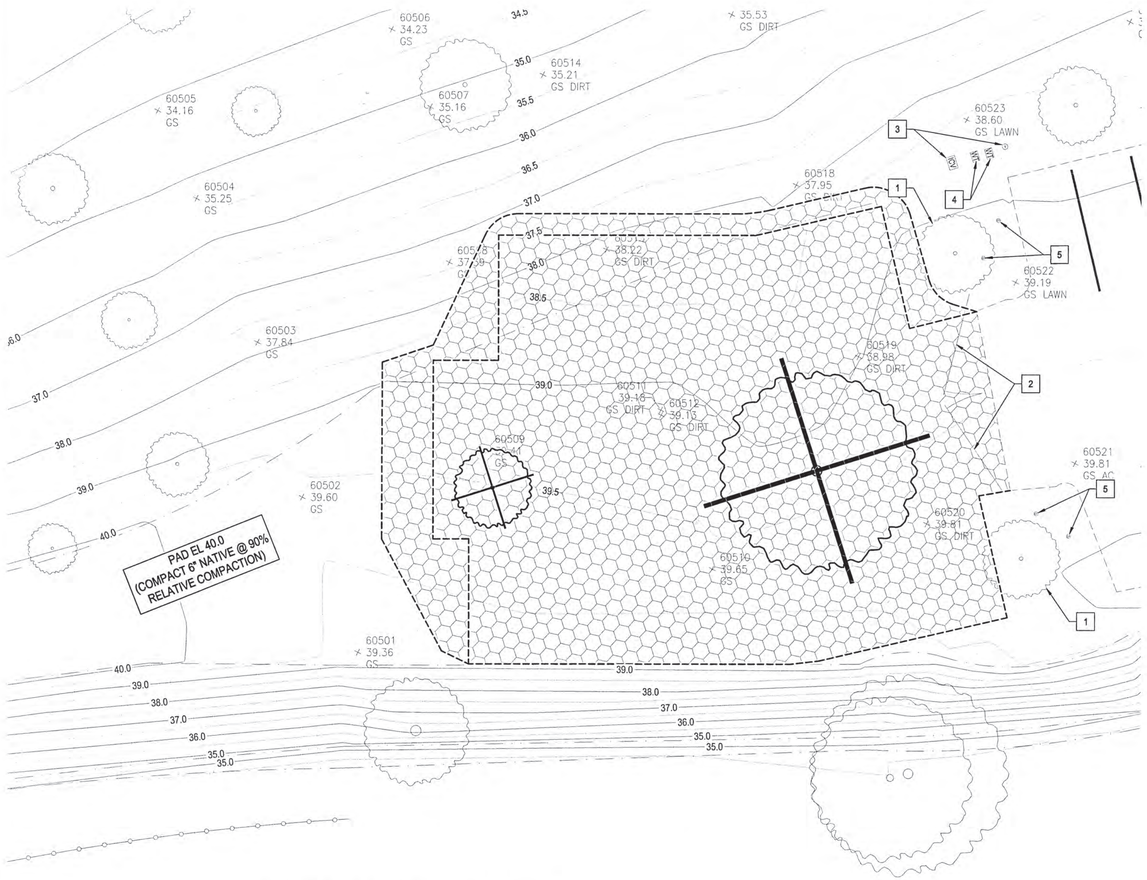
ATTACHMENT B



2 EAST PARKING DEMOLTION PLAN

SCALE: 1" = 10'

DEMOLITION NOTES:

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

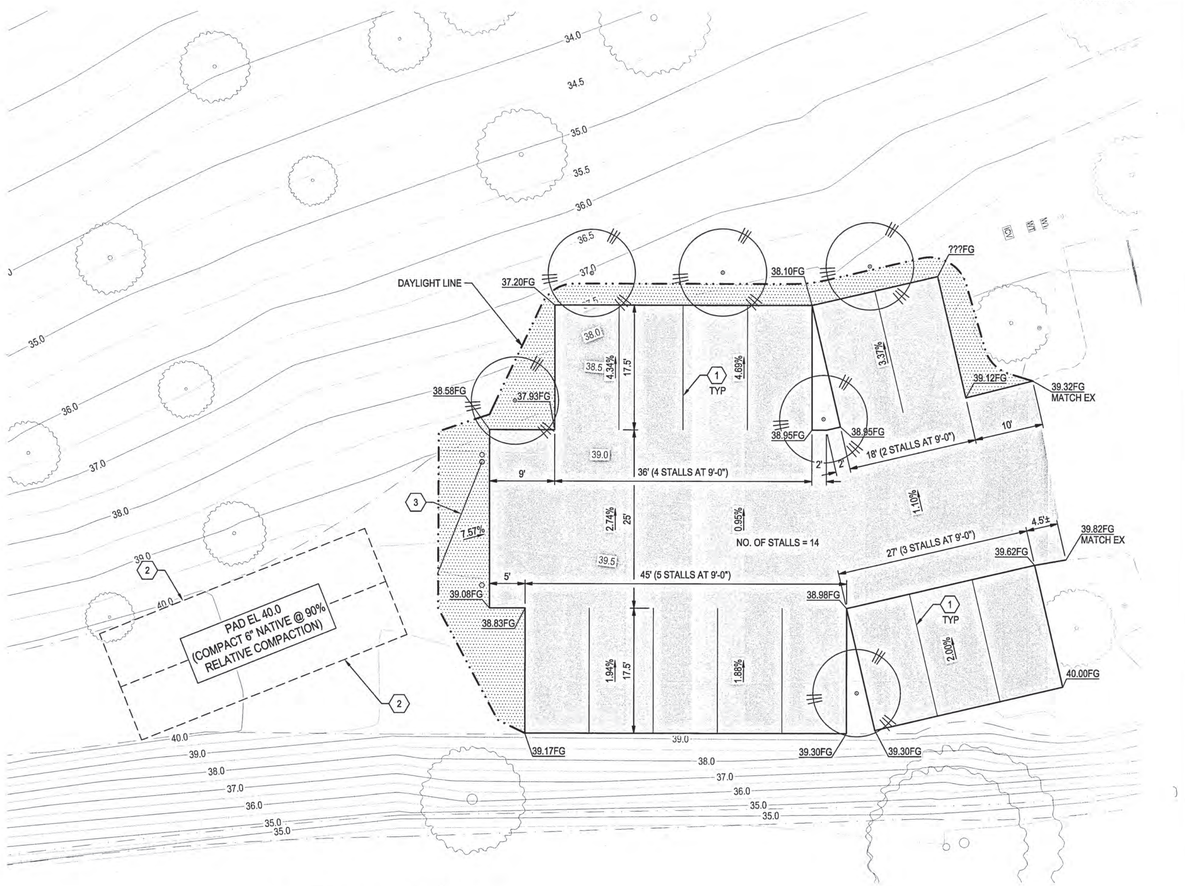
DEMOLITION LEGEND:

CLEAR AND GRUB

REMOVE AND DISPOSE OF EXISTING TREE, INCLUDING STUMP AND ROOTS

DEMOLITION KEY NOTES:

1. PROTECT IN PLACE, EXISTING TREE
2. PROTECT IN PLACE, EXISTING VEHICLE ACCESS GATE
3. PROTECT IN PLACE, EXISTING IRRIGATION CONTROL VALVE
4. PROTECT IN PLACE, EXISTING WATER METER
5. PROTECT IN PLACE, EXISTING BOLLARD



2 EAST PARKING PAVING PLAN

SCALE: 1" = 10'

KEY NOTES:

1. INSTALL MARKERS IN CELLULAR CONFINEMENT SYSTEM
2. FUTURE 8' X 40' CARGO CONTAINER, BY OTHERS
3. VEHICLE ACCESS GATE, SEE COS DWG. NO. R-61

LEGEND:

CELLULAR CONFINED PAVEMENT 1.8" TRUEGRID WITH 1/2" CRUSHED ROCK FILL WITH A 1.5" SURCHARGE OVER 6" CLASS II AB COMPACTED TO 95% RELATIVE COMPACTION FOR A MIN DEPTH OF 6", SHEET C6.1 DETAIL 10

CONTRACTOR TO REPAIR TURF AND IRRIGATION, AND TO ENSURE HEAD TO HEAD COVERAGE

INSTALL 15gal REPLACEMENT OAK TREE PER CITY OF STOCKTON STD. DETAIL R-77

REGISTERED PROFESSIONAL ENGINEER
PAUL J. SCHNEIDER
No. 62498
Exp. 09/30/21
CIVIL
STATE OF CALIFORNIA

DATE SIGNED: 06/08/21

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Revision No.	Description	Date	By	Apprvd. By

STOCKTON SOCCER COMPLEX UPGRADES

ALTERNATIVE NO. 4 - EAST PARKING LOT PLAN

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY:	SHEET NO.
DESIGNED BY	PJS/MJK	DATE	C11.0
DRAWN BY	RRG		OF 51 SHEETS
CHECKED BY	PJS	CITY ENGINEER	PW1510
RECORD DWGS.		STOCKTON, CALIFORNIA	PROJECT NO.

5439.496

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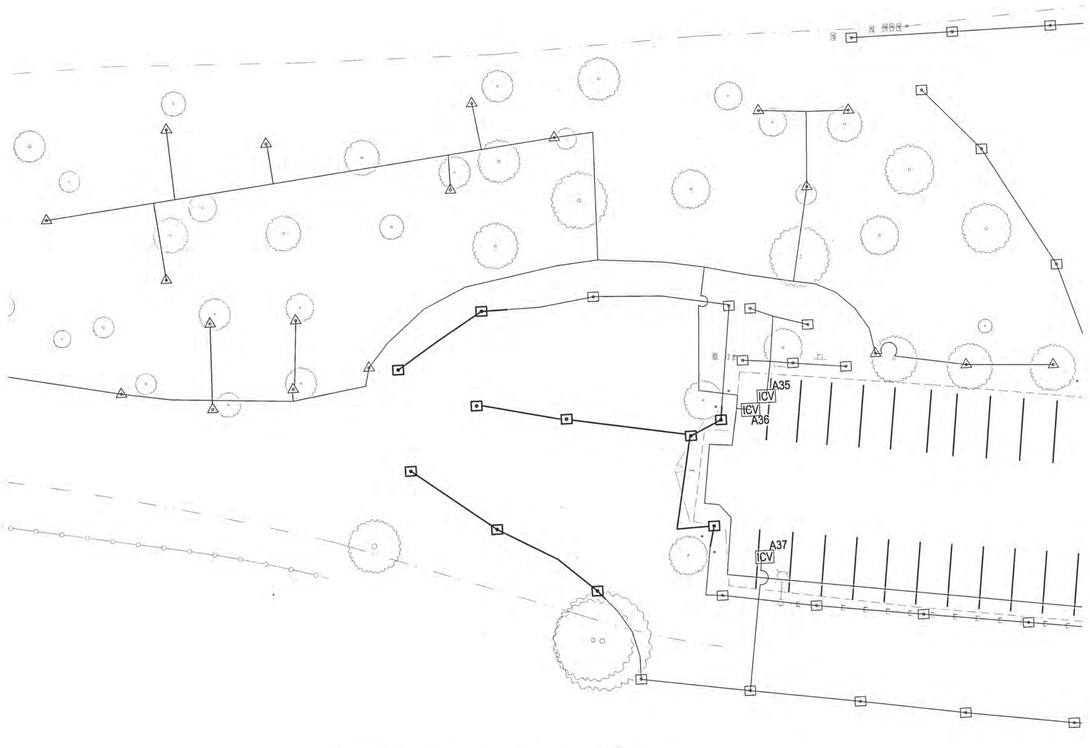
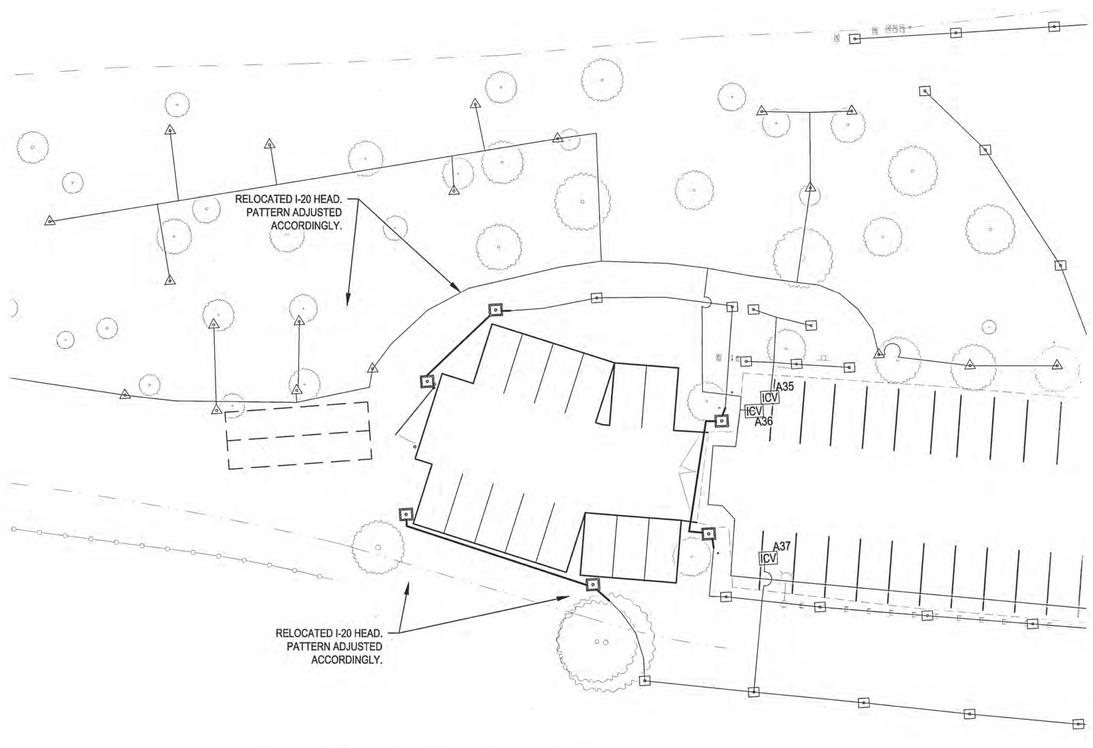
ATTACHMENT B



EAST PARKING - IRRIGATION DEMOLITION
SCALE: 1" = 20'



EAST PARKING - IRRIGATION PROPOSED
SCALE: 1" = 20'

IRRIGATION EXISTING / DEMOLITION LEGEND

- ICV C5 — Existing irrigation valve to remain
- Existing Irrigation heads to remain
  - Hunter I-40 Large Area Lawn
  - Hunter I-20 Medium Area Lawn
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  - Rainbird 1812 Shrub Pop-up
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IRRIGATION PROPOSED LEGEND

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LICENSED LANDSCAPE ARCHITECT — ROBERT A. NORBUTAS — No. 5595 — Signature — Exp. 11/30/22 — STATE OF CALIFORNIA

DATE SIGNED: 06/08/21

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

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STOCKTON SOCCER COMPLEX UPGRADES

ALTERNATIVE NO. 4 - EAST PARKING IRRIGATION PLAN

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

Revision No.	Description	Date	By	Apprvd. By

SCALE	AS SHOWN	APPROVED BY:	SHEET NO.
DESIGNED BY	PJS/MJK	DATE	C11.1
DRAWN BY	RR		OF 51 SHEETS
CHECKED BY	PJS	CITY ENGINEER	PW1510
RECORD DWGS.		STOCKTON, CALIFORNIA	PROJECT NO.

5439.502

F:\19projects\19128 CDS Stockton Soccer Complex Upgrades\Plans and Graphics\Improvement Plans\ADD ALT 4 – EAST PARKING IRRIGATION PLAN.dwg — 06/08/21