

STOCKTON SOCCER COMPLEX UPGRADES

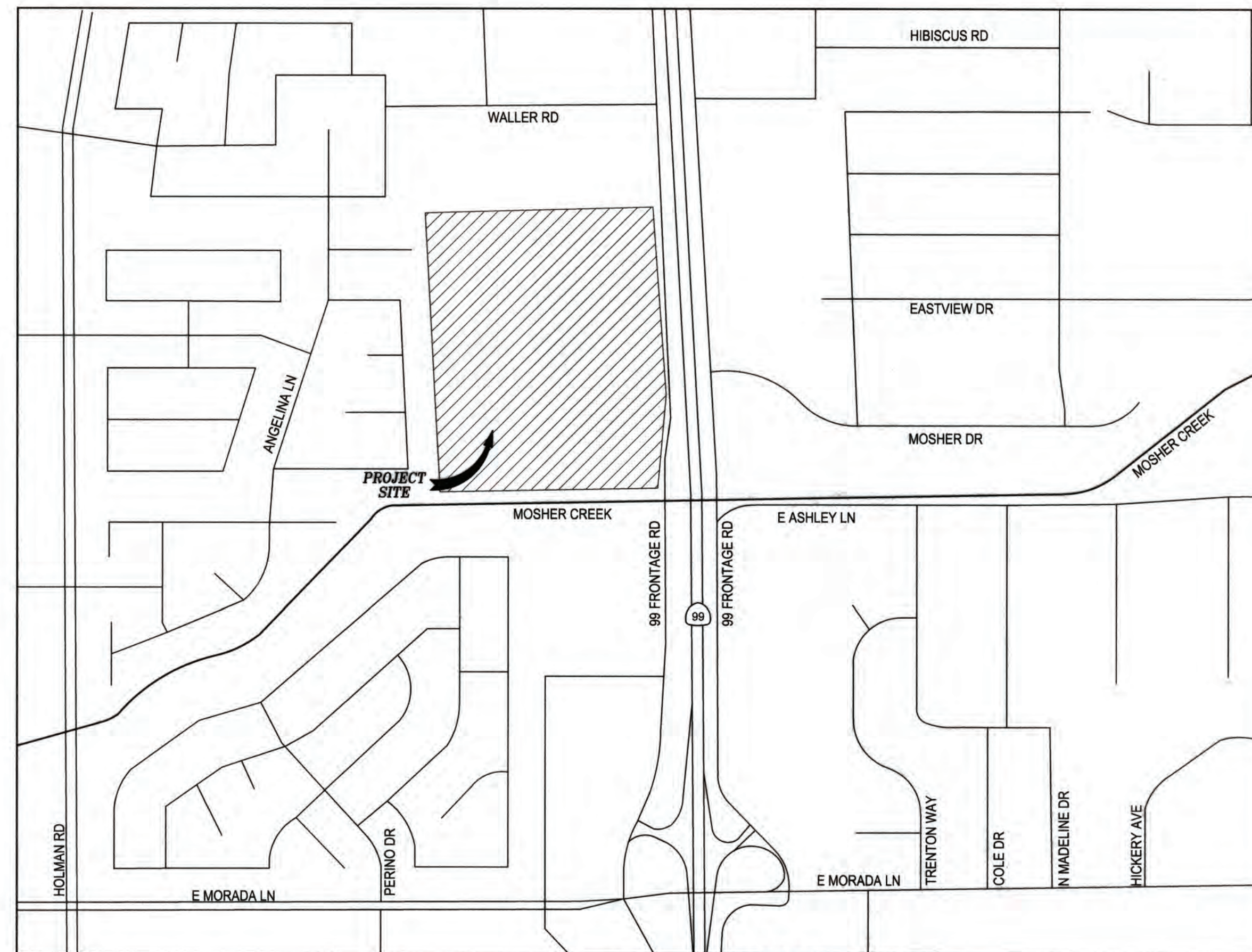
PROJECT NO. PW1510

CITY OF STOCKTON, CALIFORNIA

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VICINITY MAP
NOT TO SCALE

PROJECT CONTACTS:

OWNER

CITY OF STOCKTON PUBLIC WORKS DEPARTMENT
22 E. WEBER AVENUE
STOCKTON, CA 95202
CONTACT:
JOSHUA LEWIS, P.E.
PHONE: (209) 937-8055

GEOTECHNICAL ENGINEER

BSK ASSOCIATES
3140 GOLD CAMP DRIVE #160
SACRAMENTO, CA 95670
CONTACT:
CORINNE GOODWIN, P.E.
PHONE: (925) 853-9293

CIVIL ENGINEER

SIEGFRIED
3428 BROOKSIDE ROAD,
STOCKTON, CA 95219
CONTACT:
PAUL SCHNEIDER, P.E.
PHONE: (209) 943-2021

DEFERRED SUBMITTAL:

- RESTROOM BUILDING
- 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



DATE SIGNED: 06/08/21



Know what's below.
Call before you dig.

| | | | | | |
|---|----------------------------|--|--|--|--|
| <p>3428 Brookside Road Stockton, California 95219 209-943-2021 www.siegfriedeng.com Fax: 209-942-0214</p> | | <p>ENGINEERING</p> <p>STRUCTURAL ENGINEERING</p> <p>LANDSCAPE ARCHITECTURE</p> <p>LAND SURVEYING</p> | | <p>STOCKTON SOCCER COMPLEX UPGRADES</p> | |
| | | | | <p>TITLE SHEET</p> | |
| <p>DEPARTMENT OF PUBLIC WORKS CITY OF STOCKTON, CALIFORNIA</p> | | <p>APPROVED BY: <i>Paul J. Schneider</i></p> <p>DATE: 06/08/21</p> | <p>SHEET NO. C1.0</p> <p>OF 51 SHEETS</p> | | |
| <p>SCALE AS SHOWN</p> | <p>DESIGNED BY PJS/MJK</p> | <p>DRAWN BY RRG / <i>Paul J. Schneider</i></p> | <p>CHECKED BY PJS</p> | <p>PROJECT NO. PW1510</p> | |
| <p>REVISION No.</p> | <p>DESCRIPTION</p> | <p>DATE</p> | <p>BY</p> | <p>APPRD. BY</p> | |

5439C

CITY OF STOCKTON GENERAL NOTES

- ALL IMPROVEMENTS SHALL BE CONSTRUCTED IN STRICT ACCORDANCE WITH THE FOLLOWING: CURRENT CITY OF STOCKTON STANDARD SPECIFICATIONS AND PLANS, INCLUSIVE OF ALL CURRENT REVISIONS AND AMENDMENTS, CALIFORNIA DEPARTMENT OF TRANSPORTATION CURRENT STANDARD PLANS AND SPECIFICATIONS (CALTRANS), INCLUSIVE OF ALL CURRENT REVISIONS AND AMENDMENTS, AND CA-MUTCD LATEST EDITION, INCLUSIVE OF ALL CURRENT REVISIONS AND AMENDMENTS 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.
- 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.
- 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.
- 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.
- ALL STATIONS REFER TO DISTANCES ALONG STREET CENTERLINE, UNLESS OTHERWISE NOTED. ALL STATIONS OFF CENTERLINE ARE PERPENDICULAR TO OR RADIIALLY OPPOSITE CENTERLINE STATIONS.
- 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.
- 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.
- 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.
- 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.
- 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.
- ALL TRENCH EXCAVATION SHALL BE IN ACCORDANCE WITH SECTION 7 OF THE CITY OF STOCKTON STANDARD SPECIFICATIONS.
- 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 7-1.02(k)(6)(b) OF THE CALTRANS STANDARDS, SECTION 6705 OF THE STATE OF CALIFORNIA LABOR CODE, AND ANY LOCAL CODES OR ORDINANCES.
- ATTENTION IS CALLED TO: SECTION 1541(d)(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."
- 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.
- 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.
- 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-4) OF THE CALIFORNIA BUSINESS AND PROFESSION CODE.
- ALL WORK IN THE PUBLIC RIGHT-OF-WAY IS SUBJECT TO THE APPROVAL AND ACCEPTANCE OF THE ENGINEER.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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

- 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.
- 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.
- STOCKPILES OF EXISTING DELETERIOUS MATERIAL SHALL BE DISPOSED OF UNDER THE DIRECTION AND SUPERVISION OF THE OWNER AND OWNER'S SOILS ENGINEER.
- ALL IMPORTED FILL SHALL BE APPROVED BY THE SOILS ENGINEER.
- TOPOGRAPHICAL INFORMATION SHOWN REFLECTS A TOPOGRAPHY SURVEY PERFORMED BY SIEGFRIED ENGINEERING.
- 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 EROSION WAIVER IS NOT REQUIRED.

GEOTECHNICAL NOTES

- 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.
- GEOTECHNICAL ENGINEERING SERVICES REPORT PREPARED BY BSK ASSOCIATES, SEPTEMBER 18, 2020.
- SEISMIC DESIGN PARAMETERS:

UTILITY NOTES

WATER

- 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.
- 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.
- ALL VALVES, TEES AND CROSSES TO BE FLANGED TO THEIR RESPECTIVE FITTINGS. WATER VALVES TO BE RESILIENT SEAT ONLY.
- 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.
- 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.
- ALL VALVE STEMS MUST BE BROUGHT TO A MINIMUM OF 4' BELOW FINISH GRADE WITH STEM EXTENSION UNITS.
- 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.
- ALL BACKFLOW DEVICES SHALL BE INSTALLED WITH A WEATHER BLANKET FOR PROTECTION.

STORM DRAIN

- STORM DRAIN PIPE SIZES SHALL NOT BE CHANGED WITHOUT THE APPROVAL OF THE DESIGN ENGINEER.
- STORM DRAIN PIPE:
 - REINFORCED CONCRETE PIPE, PER CITY OF STOCKTON STANDARD
 - CAST-IN-PLACE CONCRETE PIPE, PER CITY OF STOCKTON STANDARD
 - PVC PIPE, SDR-26, PER CITY OF STOCKTON STANDARD
 - HDPE PIPE, PER CITY OF STOCKTON STANDARD
- CATCH BASINS TO BE CONSTRUCTED PER CITY STANDARD DETAILS.
- 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

- SANITARY SEWER PIPE SHALL BE:
 - V.C.P. EXTRA STRENGTH (ASTM C-700), PER CITY OF STOCKTON STANDARD SPECIFICATIONS
 - PVC PIPE, SDR-26, PER CITY OF STOCKTON STANDARD
 - HDPE PIPE, PER CITY OF STOCKTON STANDARD
- 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.
- 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.
- ALL MAINTENANCE HOLES CONSTRUCTED ON A TRUNK MAIN SHALL BE PVC LINED PER INDUSTRY STANDARD/MANUFACTURER'S SPECIFICATIONS AND TESTED IN CONFORMANCE WITH CITY OF STOCKTON STANDARD SPECIFICATIONS.

| SEISMIC DESIGN PARAMETER | 2019 CBC VALUE | REFERENCE |
|---|------------------|---------------------------|
| MCE MAPPED SPECTRAL ACCELERATION (g) | $S_s = 0.650$ | USGS MAPPED VALUE |
| AMPLIFICATION FACTORS (SITE CLASS D) | $F_A = 1.280$ | ASCE TABLE 11.4 |
| SITE ADJUSTED MCE SPECTRAL ACCELERATION (g) | $S_{MS} = 0.832$ | ASCE EQUATIONS 11.4.1-2 |
| DESIGN SPECTRAL ACCELERATION (g) | $S_{DS} = 0.555$ | ASCE EQUATIONS 11.4.1-4 |
| GEOMETRIC MEAN PGA (g) | $PGA_g = 0.361$ | SECTION 11.8.3, ASCE 7-16 |
| SITE SHORT PERIOD - T_s (SECONDS) | $T_s = 0.659$ | $T_s = S_{01} / S_{05}$ |
| SITE SHORT PERIOD - T_1 (SECONDS) | $T_1 = 12$ | 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:

- 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

LEGEND

| EXISTING | PROPOSED |
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DETAIL NUMBER
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ABBREVIATIONS

| 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 | WEST |
| (W) | WEST |
| (E) | EAST |
| (S) | SOUTH |
| (N) | NORTH |
| ± | PLUS OR MINUS |



DATE SIGNED: 06/08/21

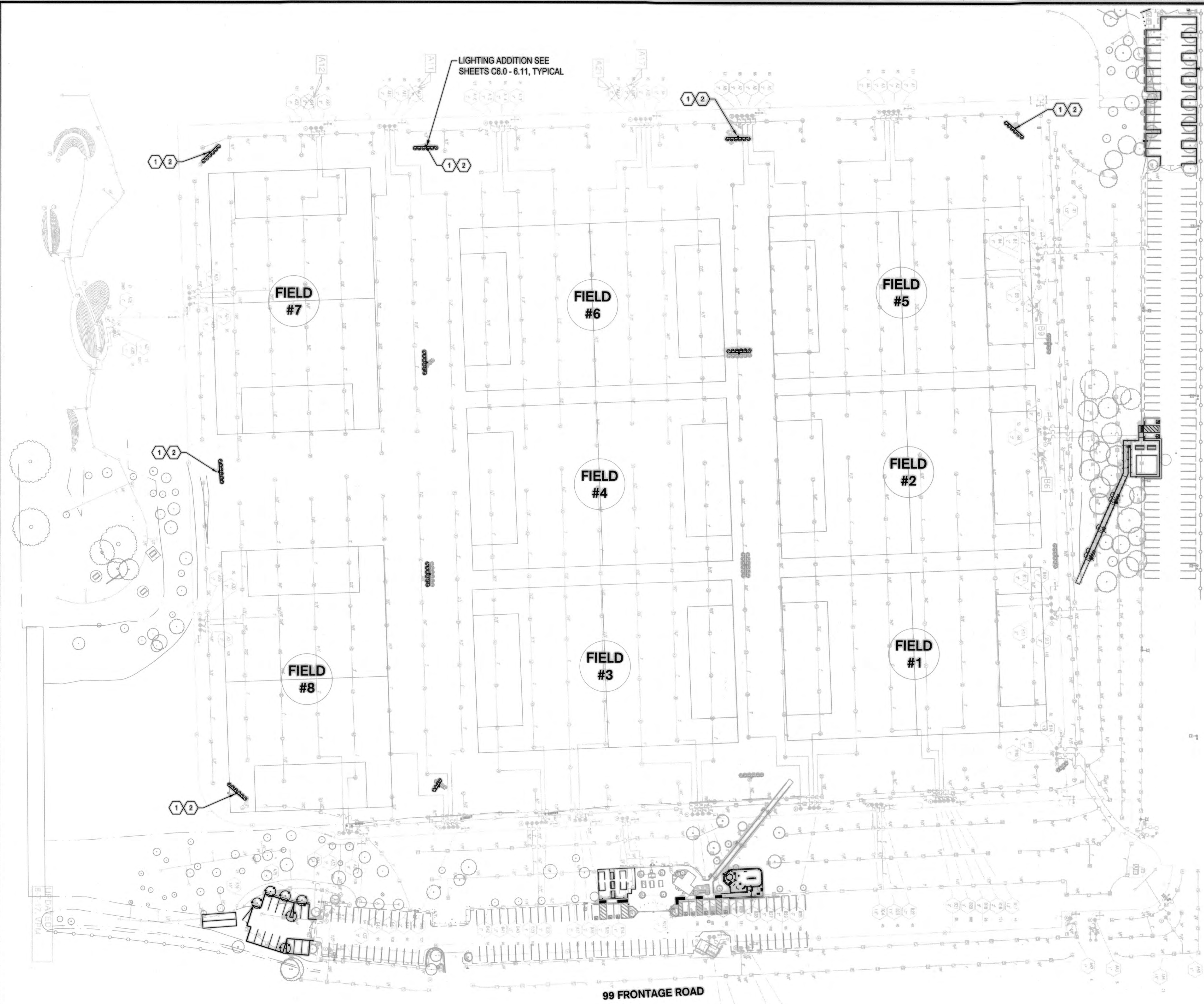


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|---|-------------|------|----|------------|---|----------|---------------------------------|--------------|
| <p>3428 Broadway Road Stockton, California 95210 209-943-2021 www.siegfriedeng.com Fax: 209-942-0214</p> | | | | | <p>STOCKTON SOCCER COMPLEX UPGRADES</p> <p>GENERAL NOTES, LEGEND, AND ABBREVIATIONS</p> <p>DEPARTMENT OF PUBLIC WORKS CITY OF STOCKTON, CALIFORNIA</p> | | | |
| Revision No. | Description | Date | By | Apprvd. By | SCALE | AS SHOWN | APPROVED BY: <i>[Signature]</i> | SHEET NO. |
| | | | | | DESIGNED BY | PJSMJK | DATE | C2.0 |
| | | | | | DRAWN BY | RRG | | OF 51 SHEETS |
| | | | | | CHECKED BY | PJS | <i>[Signature]</i> | PW1510 |
| | | | | | RECORD DWGS. | | CITY ENGINEER | PROJECT NO. |
| | | | | | | | STOCKTON, CALIFORNIA | |

5439.1C

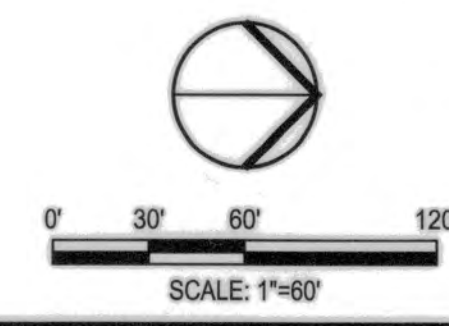
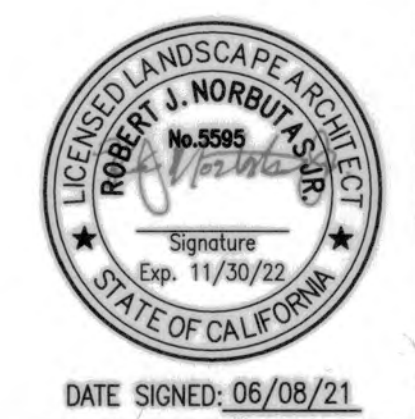
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- KEY NOTES:**
- 1 CONTRACTOR WILL PROTECT IN PLACE EXISTING UNDERGROUND IRRIGATION SYSTEM DURING INSTALLATION OF NEW LIGHT BASES AND CONDUITS.
 - 2 EXISTING ROTORS WILL BE ADJUSTED AND RELOCATED A MINIMUM OF 5' FROM NEW LIGHT POLE BASES.

- 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.



| | | | | |
|---|-------------|------|----|-----------|
| <p>3429 Broadway Road Stockton, California 95219 920-942-0221 www.siegfriedinc.com fx: 920-942-0214</p> | | | | |
| Revision No. | Description | Date | By | Apprv. By |
| | | | | |
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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 | | PW1510 |
| RECORD DWGS. | | CITY ENGINEER STOCKTON, CALIFORNIA | PROJECT NO. |

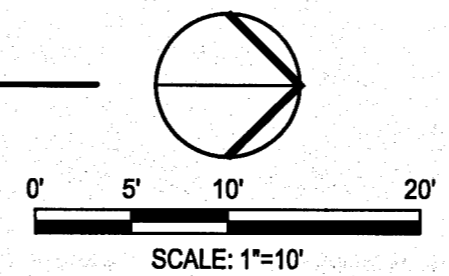
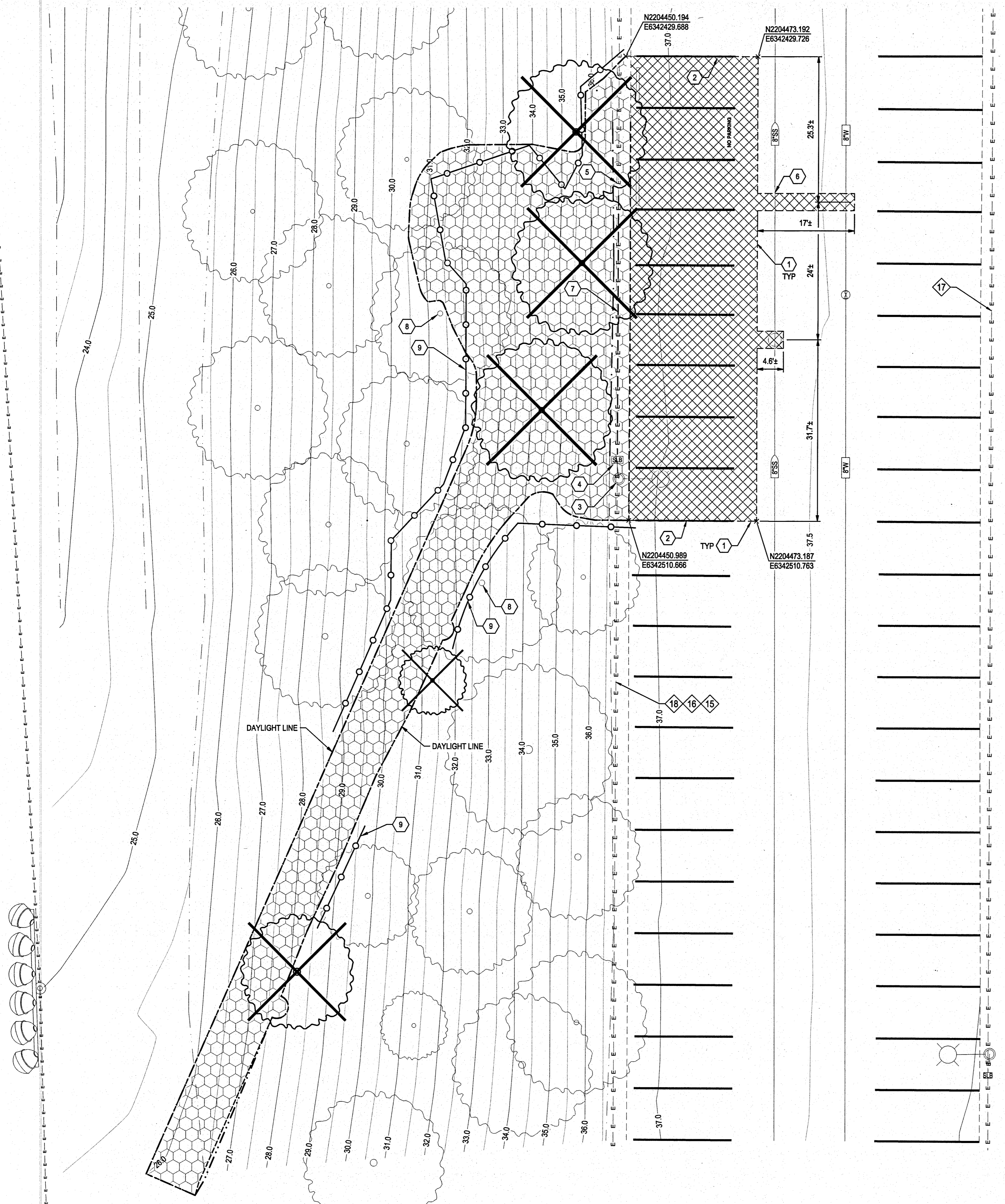
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Know what's below.
Call before you dig.

1 NORTH RESTROOM
SCALE: 1" = 10'



DEMOLITION NOTES:

- CONTRACTOR IS RESPONSIBLE FOR REMOVING AND PROPERLY DISPOSING OF ALL MATERIALS DEMOLISHED FROM THE SITE INCLUDING: PAVEMENT, CONCRETE, CURB AND GUTTER, STORM DRAINAGE MATERIALS AND ELECTRICAL MATERIALS.
- IF ANY QUESTIONS ARISE AS TO WHETHER SOMETHING SHOULD BE REMOVED, CONTRACTOR SHALL CONTACT SIEGFRIED ENGINEERING, INC. IMMEDIATELY AT 209-943-2021.
- ANYTHING NOT CALLED OUT TO BE REMOVED SHALL BE PROTECTED IN PLACE, AND IF DAMAGED, SHALL BE REPLACED / REPAIRED AT THE CONTRACTOR'S EXPENSE.
- ALL EXISTING UTILITIES WERE PLOTTED FROM RECORD INFORMATION AND FIELD TOPOGRAPHY. ACTUAL LOCATIONS MAY VARY AND ADDITIONAL CROSSINGS MAY EXIST IN THE FIELD. IT IS IMPERATIVE THAT "U.S.A. LOCATING SERVICES" LOCATE AND MARK EXISTING UTILITIES PRIOR TO THE START OF EXCAVATION.
- THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN EXPOSING EXISTING UTILITY CROSSINGS AND SERVICES.
- SEE SHEET C5.2 RESTROOM IRRIGATION 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
- FEEDER SCHEDULE TAG, SEE FEEDER SCHEDULE ON SHEET E1.0 DETAIL 2

KEY NOTES:

- SAWCUT
- REMOVE EXISTING STRIPING BY GRINDING IF OUTSIDE OF ASPHALT REMOVAL AREA
- PROTECT IN PLACE, EXISTING LIGHT POLE
- PROTECT IN PLACE, EXISTING PULL BOX
- PROTECT IN PLACE, EXISTING ELECTRICAL CONDUIT
- PROTECT IN PLACE, EXISTING SANITARY SEWER LINE
- REMOVE AND DISPOSE, EXISTING ELECTRICAL CONDUITS AND CONDUCTORS. SEE SHEET C5.0 FOR RELOCATION PLAN
- PROTECT IN PLACE, EXISTING TREE. CONTRACTOR TO COORDINATE WITH CITY REPRESENTATIVE IF REMOVAL IS REQUIRED
- TREE PRESERVATION AND FENCING:**
 - 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.
 - FENCING SHALL BE 6-FOOT TALL ORANGE ESA FENCING.
 - NO GRADING SHALL OCCUR WITHIN THE FENCED AREA OF EXISTING TREES.
 - NO CONSTRUCTION MATERIALS OR CONSTRUCTION VEHICLES MAY BE STORED WITHIN THE FENCING AREA OF EXISTING TREES.
 - 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.
 - 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.
 - 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.
 - UNAUTHORIZED TREE REMOVAL IS SUBJECT TO IN-KIND REPLACEMENT EQUAL TO THE MATURE RESOURCE LOST, AS DETERMINED BY THE CITY.
 - 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.
 - 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.

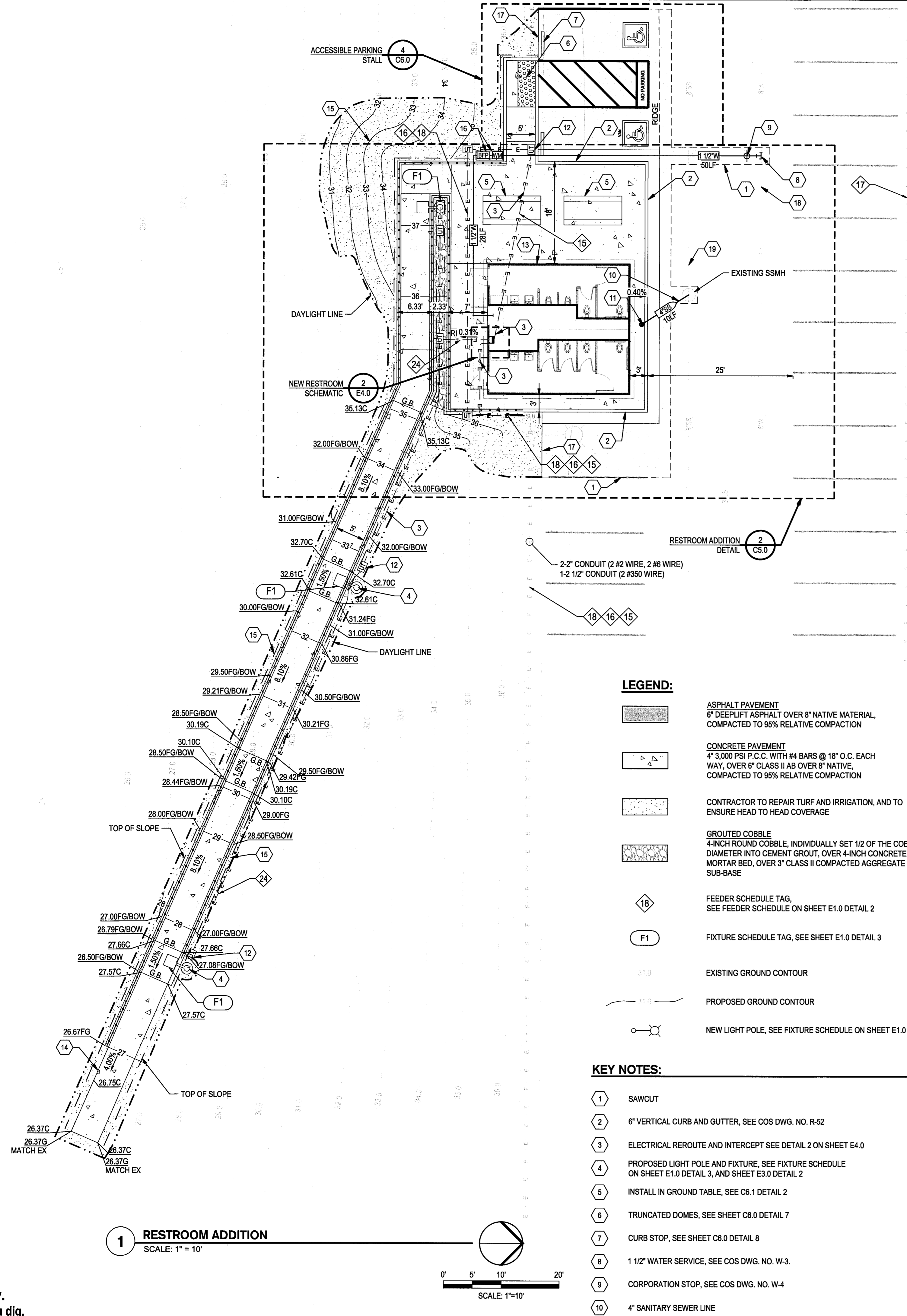


DATE SIGNED: 06/08/21

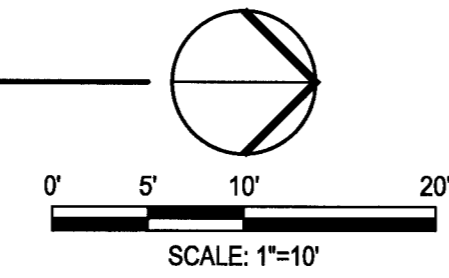
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|---|--|--|---|
| | | STOCKTON SOCCER COMPLEX UPGRADES | |
| CIVIL ENGINEERING STRUCTURAL ENGINEERING LANDSCAPE ARCHITECTURE LAND SURVEYING | | RESTROOM ADDITION DEMOLITION PLAN | |
| DEPARTMENT OF PUBLIC WORKS CITY OF STOCKTON, CALIFORNIA | | | |
| Revision No. Description Date By Apprvd. By | SCALE AS SHOWN DESIGNED BY: PJS/MJK DRAWN BY: RRG CHECKED BY: PJS RECORD DWGS. | | APPROVED BY: <i>[Signature]</i> DATE: 06/23/21 SHEET NO. C4.0 OF 51 SHEETS PW1510 PROJECT NO. |

5439.46

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1 RESTROOM ADDITION
SCALE: 1" = 10'

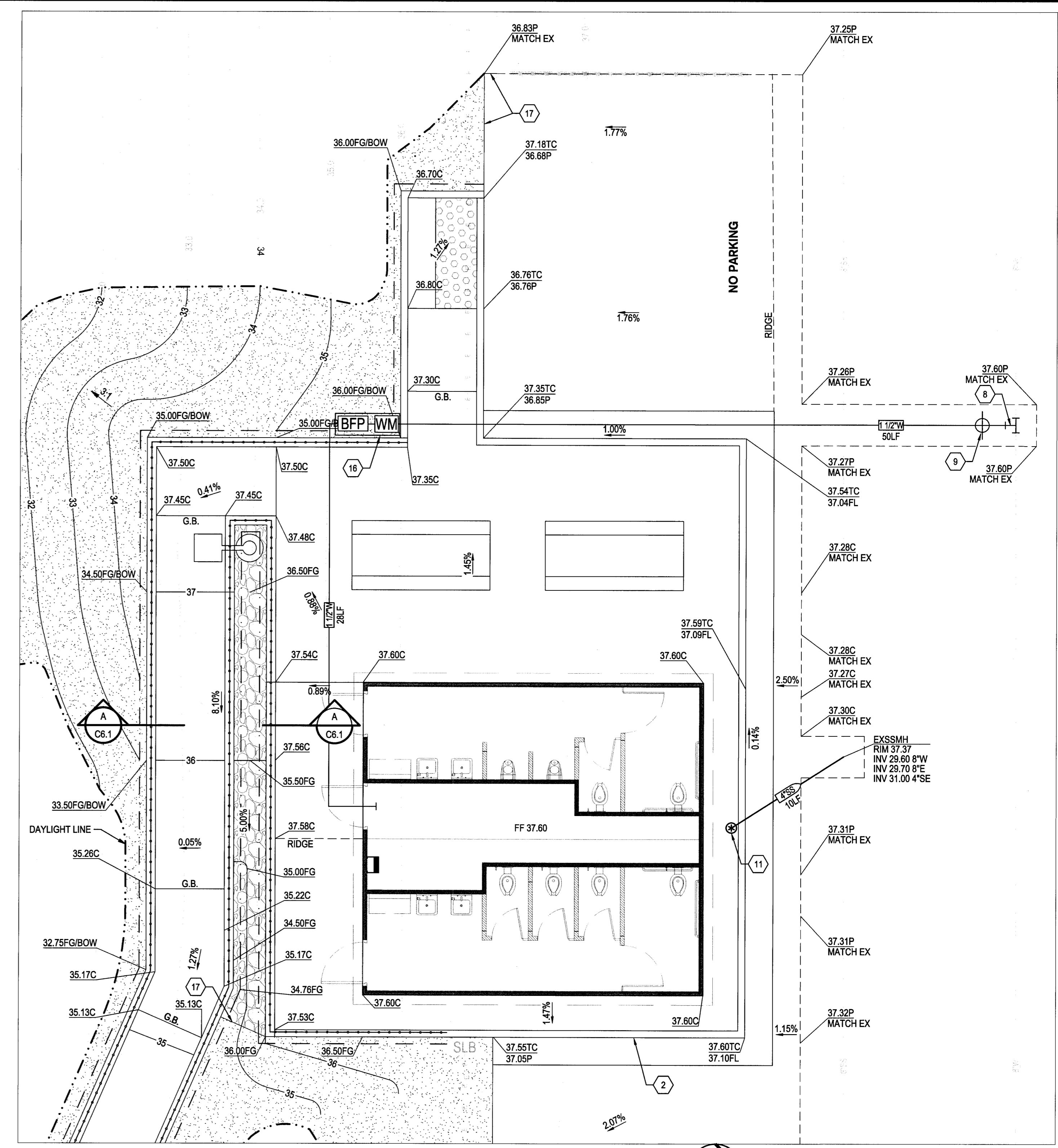


LEGEND:

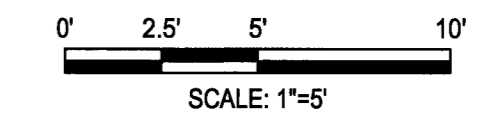
- ASPHALT PAVEMENT
6" DEEPLIFT ASPHALT OVER 8" NATIVE MATERIAL,
COMPACTED TO 95% RELATIVE COMPACTION
- CONCRETE PAVEMENT
4" 3,000 PSI P.C.C. WITH #4 BARS @ 18" O.C. EACH
WAY, OVER 6" CLASS II AB OVER 8" NATIVE,
COMPACTED TO 95% RELATIVE COMPACTION
- CONTRACTOR TO REPAIR TURF AND IRRIGATION, AND TO
ENSURE 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
- FEEDER SCHEDULE TAG,
SEE FEEDER SCHEDULE ON SHEET E1.0 DETAIL 2
- 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
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



2 NORTH RESTROOM DETAIL
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.

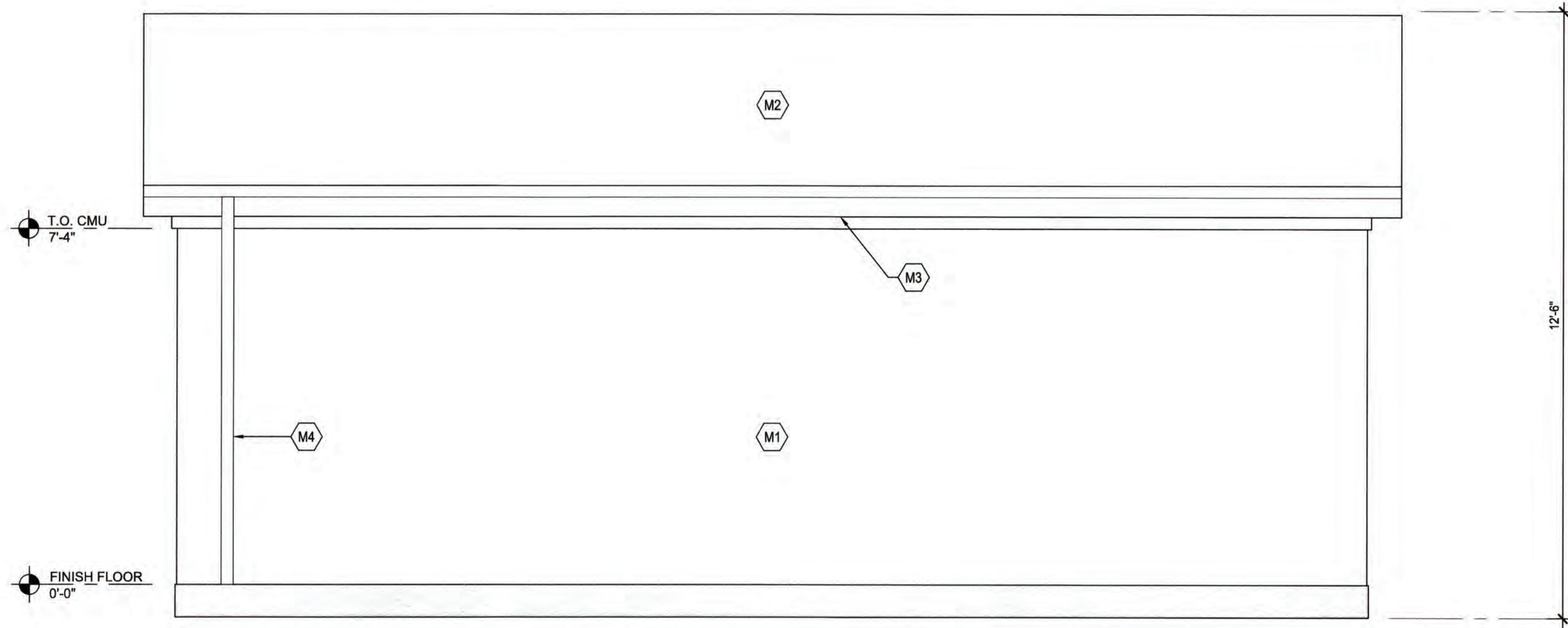


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|---|--|---|--|---|
| CIVIL ENGINEERING STRUCTURAL ENGINEERING LANDSCAPE ARCHITECTURE LAND SURVEYING | | STOCKTON SOCCER COMPLEX UPGRADES | | |
| | | RESTROOM ADDITION SITE PLAN | | |
| DEPARTMENT OF PUBLIC WORKS CITY OF STOCKTON, CALIFORNIA | | SCALE AS SHOWN DESIGNED BY PJS/MLK DRAWN BY RRG CHECKED BY PJS RECORD DWGS. | APPROVED BY: <i>[Signature]</i> DATE: 06/23/21 CITY ENGINEER STOCKTON, CALIFORNIA | SHEET NO. C5.0 OF 51 SHEETS PW1510 PROJECT NO. |

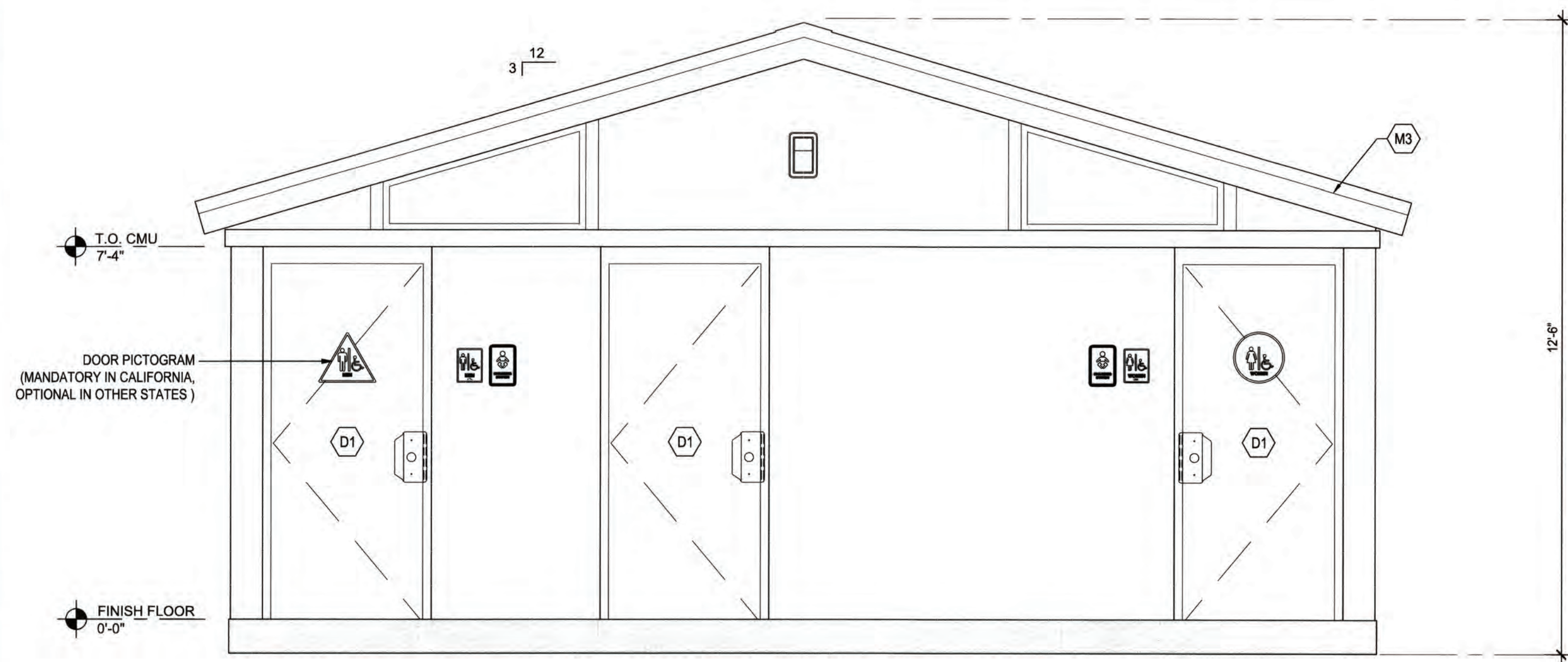


DATE SIGNED: 06/08/21

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

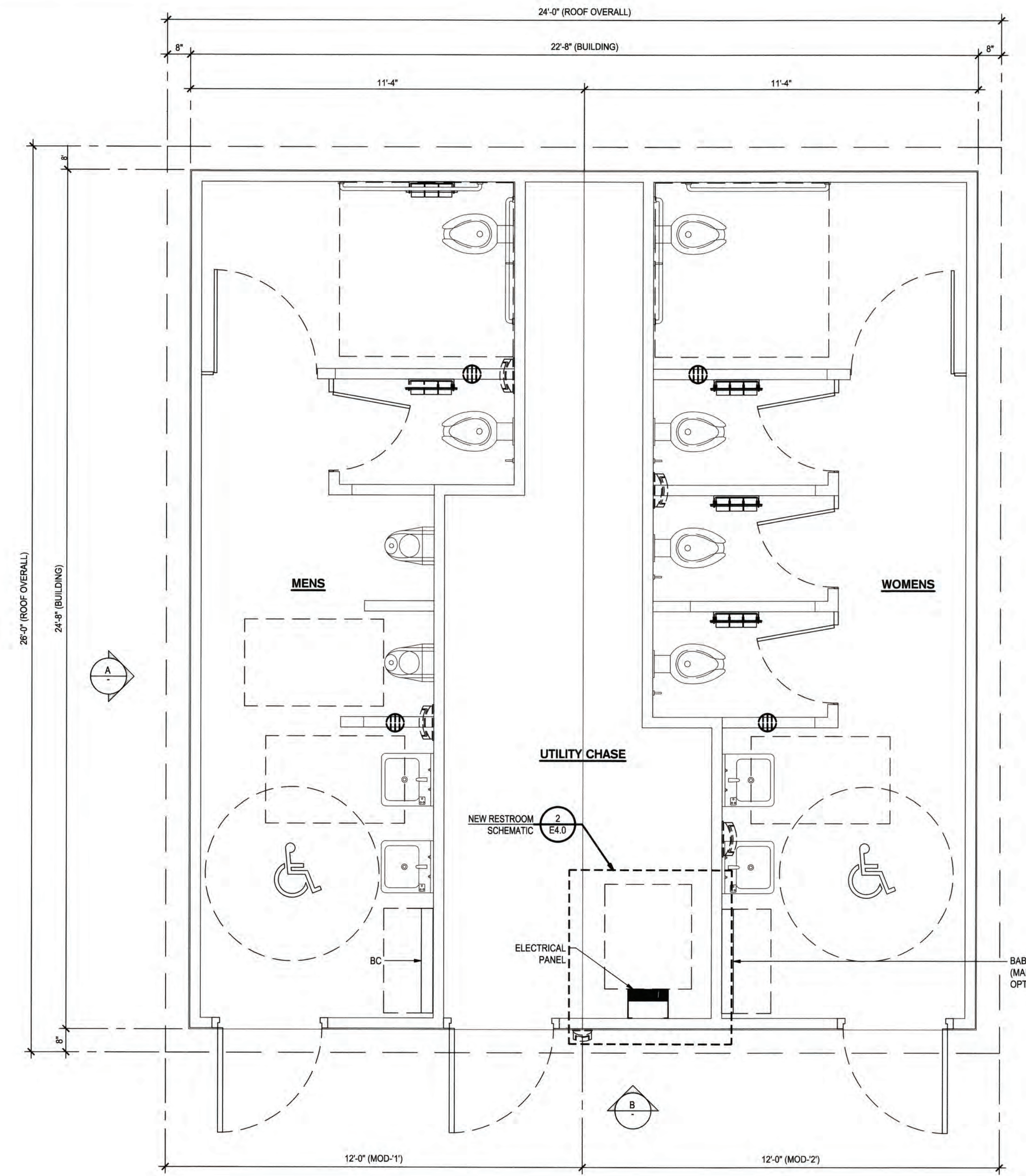


B ELEVATION B
SCALE: 1/2" = 1'-0"

| 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 | | |



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

NOTE:
ALL FIXTURES TO BE STAINLESS STEEL




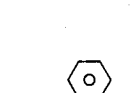
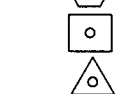
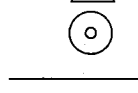
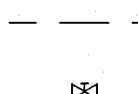


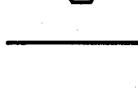





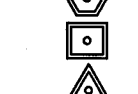

DATE SIGNED: 06/08/21

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|---|-------------|------|----|---|--------------|----------|---------------------------------|--------------|
| | | | | STOCKTON SOCCER COMPLEX UPGRADES RESTROOM FLOOR PLAN AND ELEVATIONS | | | | |
| <small>3408 Brookside Road Stockton, California 95210 209-943-9021 www.siegfriedeng.com Fax: 209-942-0214</small> | | | | <small>REGISTERED PROFESSIONAL ENGINEER PAUL J. SCHNEIDER No. 62498 Exp. 09/30/21 CIVIL STATE OF CALIFORNIA</small> | | | | |
| Revision No. | Description | Date | By | Apprvd. By | SCALE | AS SHOWN | APPROVED BY: <i>[Signature]</i> | SHEET NO. |
| | | | | | DESIGNED BY | PJS/MJK | DATE: 6/23/21 | C5.1 |
| | | | | | DRAWN BY | RRG | | OF 51 SHEETS |
| | | | | | CHECKED BY | PJS | | PW1510 |
| | | | | | RECORD DWGS. | | | PROJECT NO. |



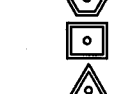

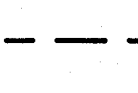



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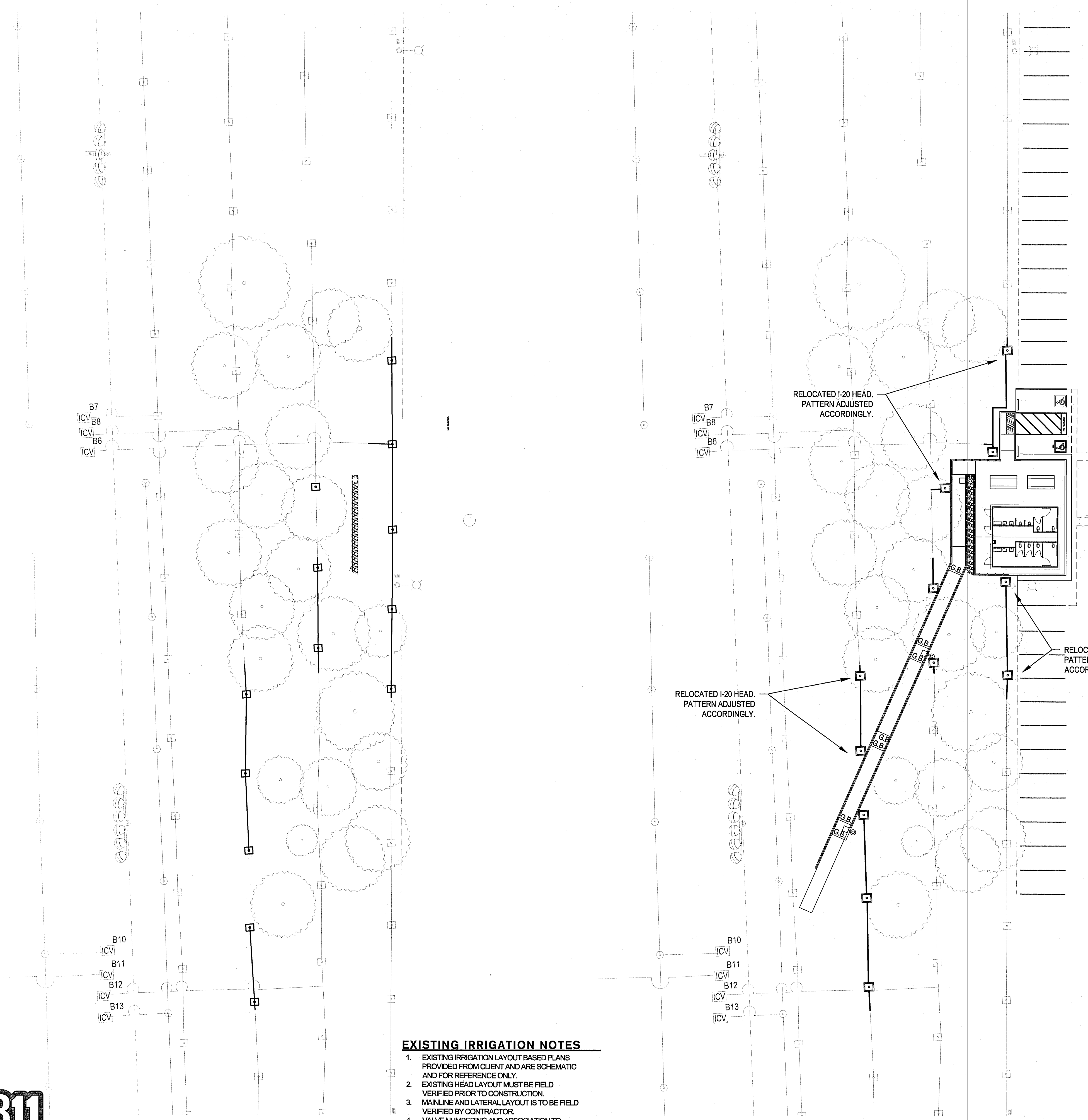
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IRRIGATION EXISTING / DEMOLITION LEGEND

-  Existing irrigation valve to remain
-  Existing Irrigation heads to remain
-  Hunter I-40 Large Area Lawn
-  Hunter I-20 Medium Area Lawn
-  Rainbird 1401 Tree Bubblers (2 per symbol)
-  Rainbird 1812 Shrub Pop-up
-  Existing Lateral Line to remain
-  Existing Main Line to remain
-  Existing Gate valve to remain
-  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
-  Quick Coupling valve to be removed

IRRIGATION PROPOSED LEGEND

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

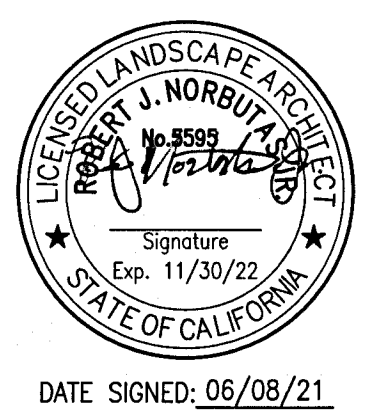


EXISTING IRRIGATION NOTES

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

IRRIGATION EQUIPMENT AND PIPING IS DIAGRAMMATIC FOR GRAPHICAL CLARITY.

- 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 IRRIGATION SYSTEM AND PLANTING AND ARCHITECTURAL FEATURES.



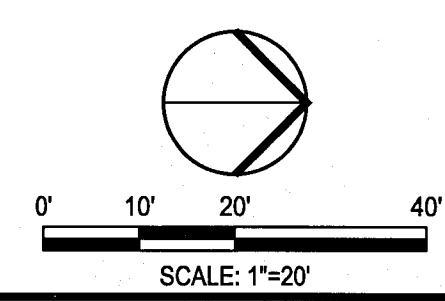
DATE SIGNED: 06/08/21




Know what's below. Call before you dig.

RESTROOM ADDITION - IRRIGATION DEMOLITION
SCALE: 1" = 20'

RESTROOM ADDITION - IRRIGATION PROPOSED
SCALE: 1" = 20'

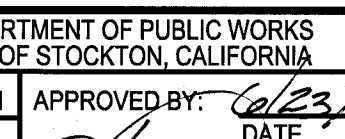


|  CIVIL ENGINEERING STRUCTURAL ENGINEERING LANDSCAPE ARCHITECTURE LAND SURVEYING 3428 Brookside Road Stockton, California 95219 209-943-0221 www.siegfriedeng.com Fax: 209-942-0214 | | | | |
|---|-------------|------|----|-----------|
| Revision No. | Description | Date | By | Apprv. By |
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STOCKTON SOCCER COMPLEX UPGRADES

RESTROOM IRRIGATION PLAN

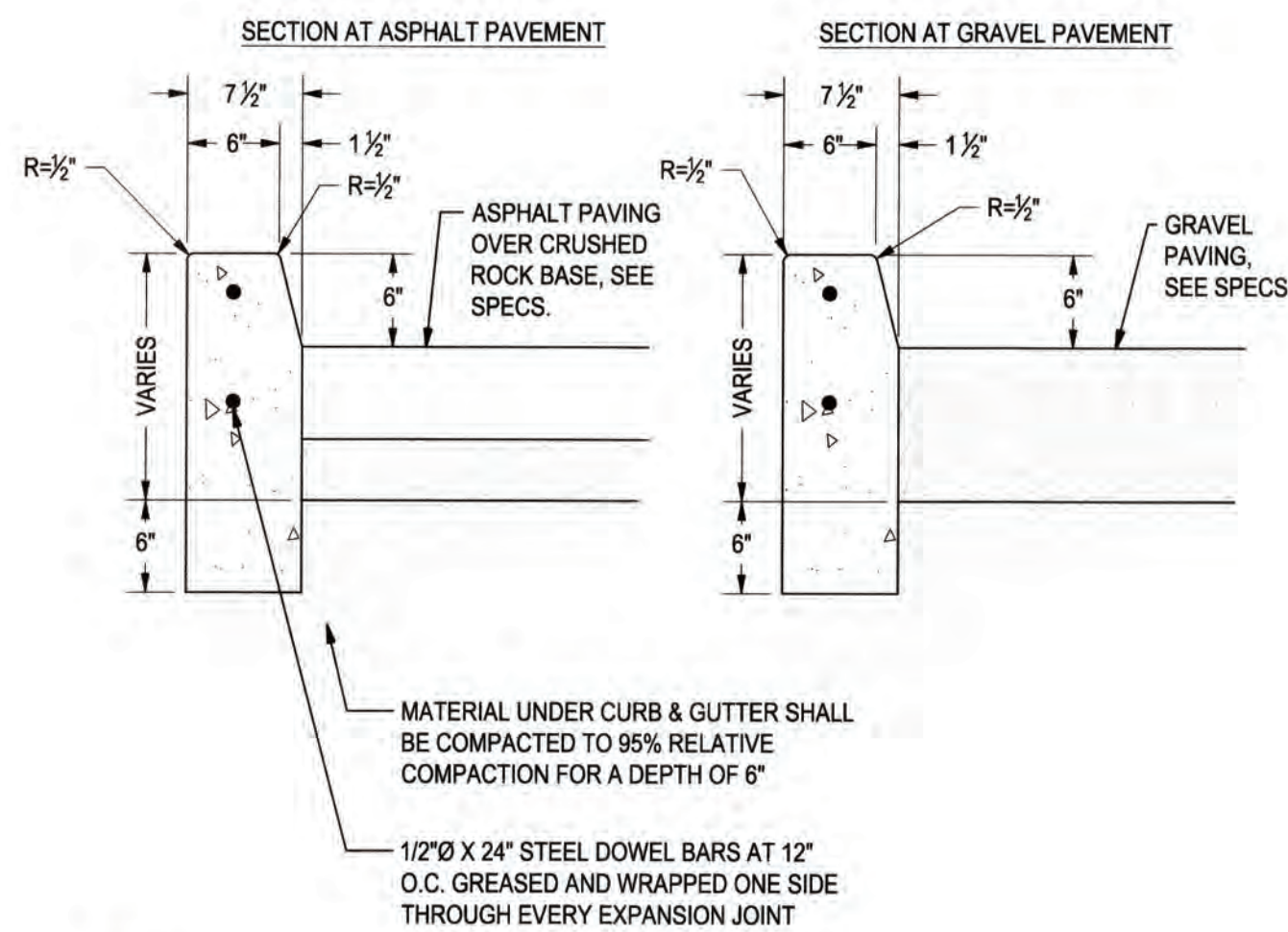
DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

APPROVED BY:  DATE: 6/8/21

DESIGNED BY: PJS/MJK
DRAWN BY: RRG
CHECKED BY: PJS
RECORD DWGS.

SHEET NO. **C5.2**
OF 51 SHEETS
PW1510
PROJECT NO. **5439.7C**

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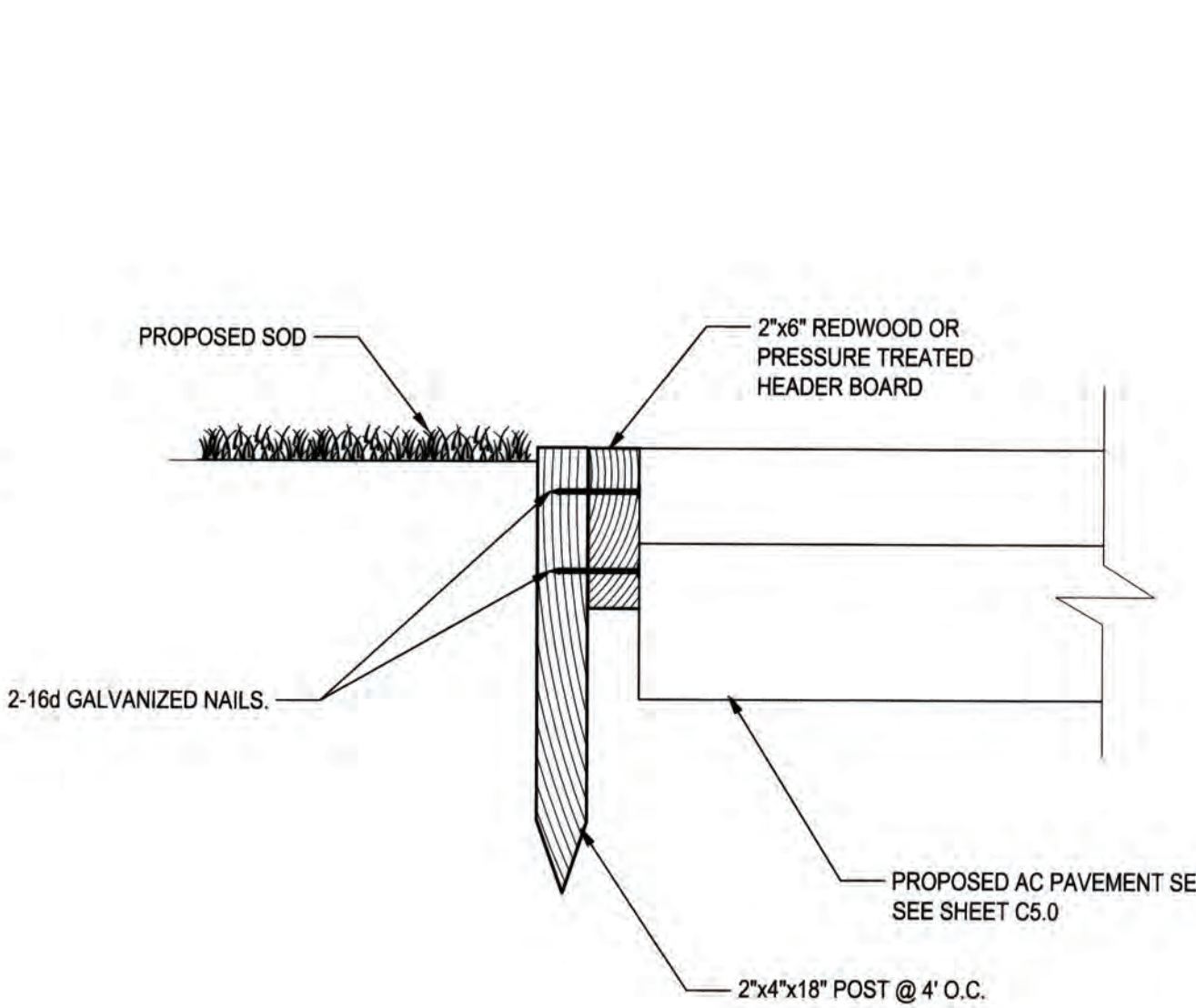


NOTES:
 1. PROVIDE TRANSVERSE SCORE JOINTS AT 10' O.C. MAX; ALIGN WITH ADJACENT SCORES.
 2. ROUND EXPOSED ENDS WITH A 6" RADIUS.

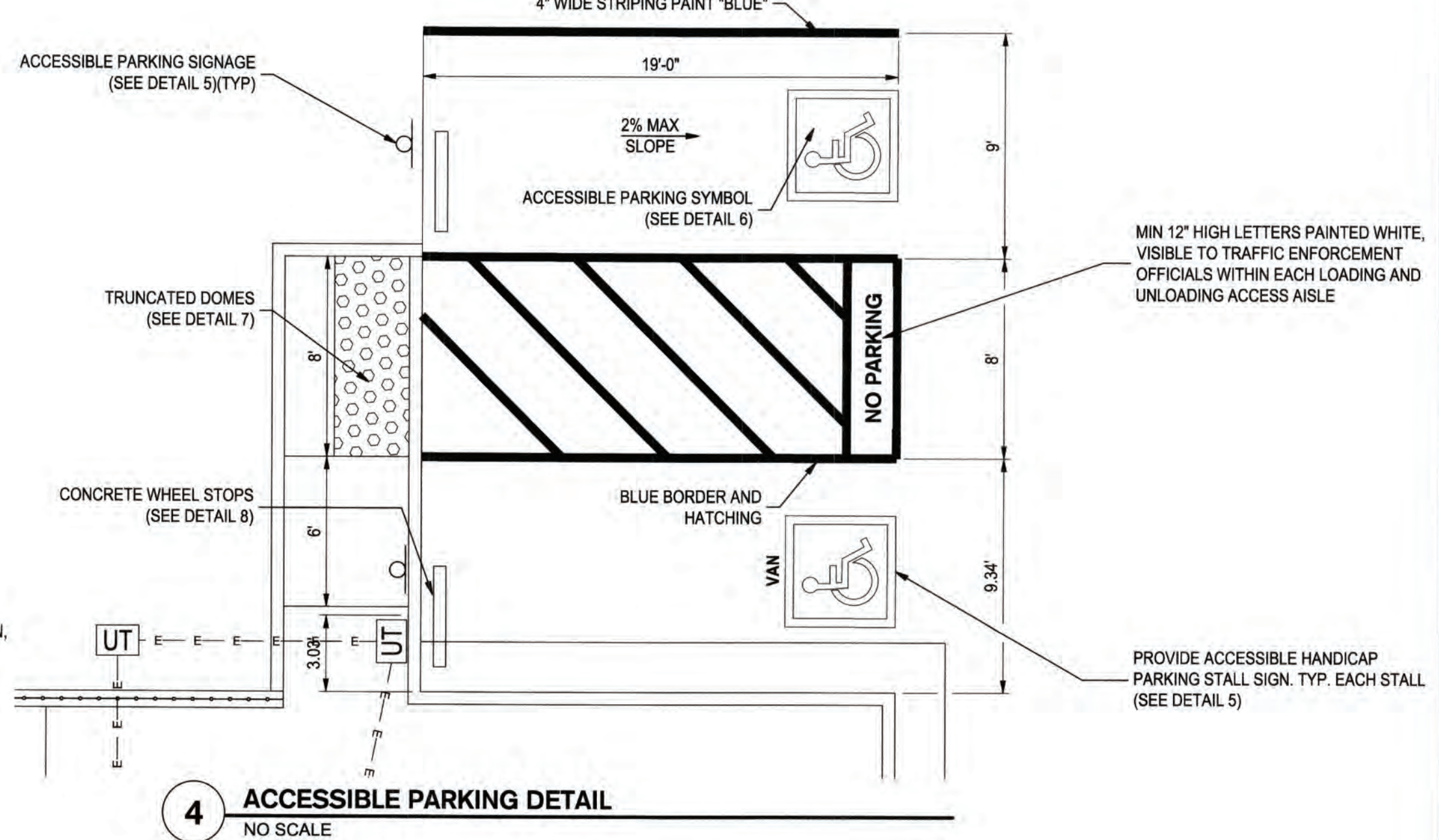
| DOWEL SIZE & SPACING | | | |
|----------------------|----------|--------|----------|
| SLAB DEPTH | DIAMETER | LENGTH | SPACING |
| 4" | 5/8" | 12" | 24" O.C. |
| 6" | 3/4" | 18" | 18" O.C. |
| 8" | 1" | 24" | 18" O.C. |
| 10" | 1" | 24" | 12" O.C. |

| EXPANSION JOINT & CONTROL JOINT | |
|---------------------------------|-----------------------|
| SLAB THICKNESS | CONTROL JOINT SPACING |
| 4" | 8' O.C. MAX. |
| 6" | 12' O.C. MAX. |
| 8" | 16' O.C. MAX. |
| 10" | 20' O.C. MAX. |

3 TYPICAL CONCRETE JOINT DETAILS
NO SCALE

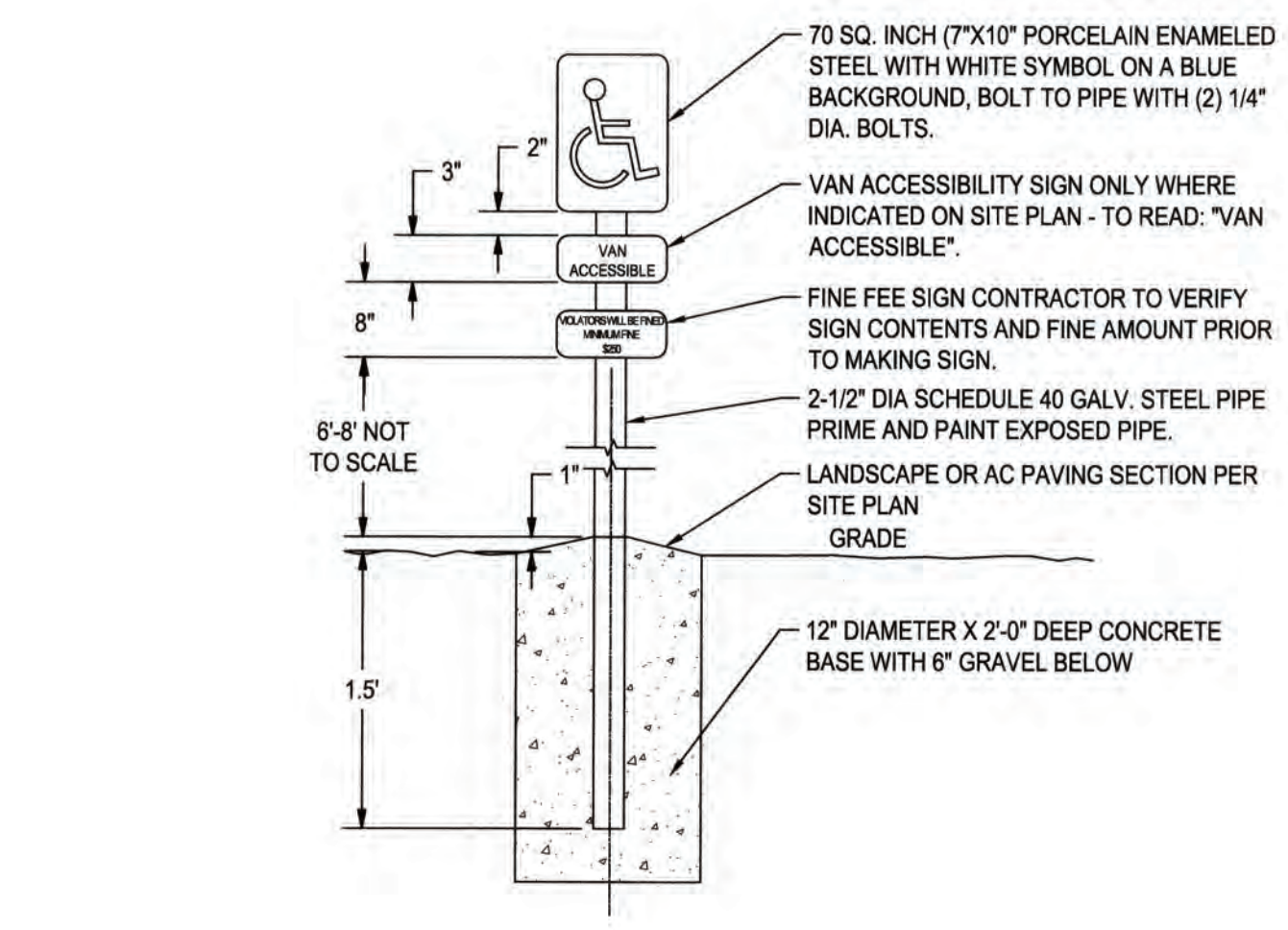


3 REDWOOD HEADER DETAIL
NO SCALE

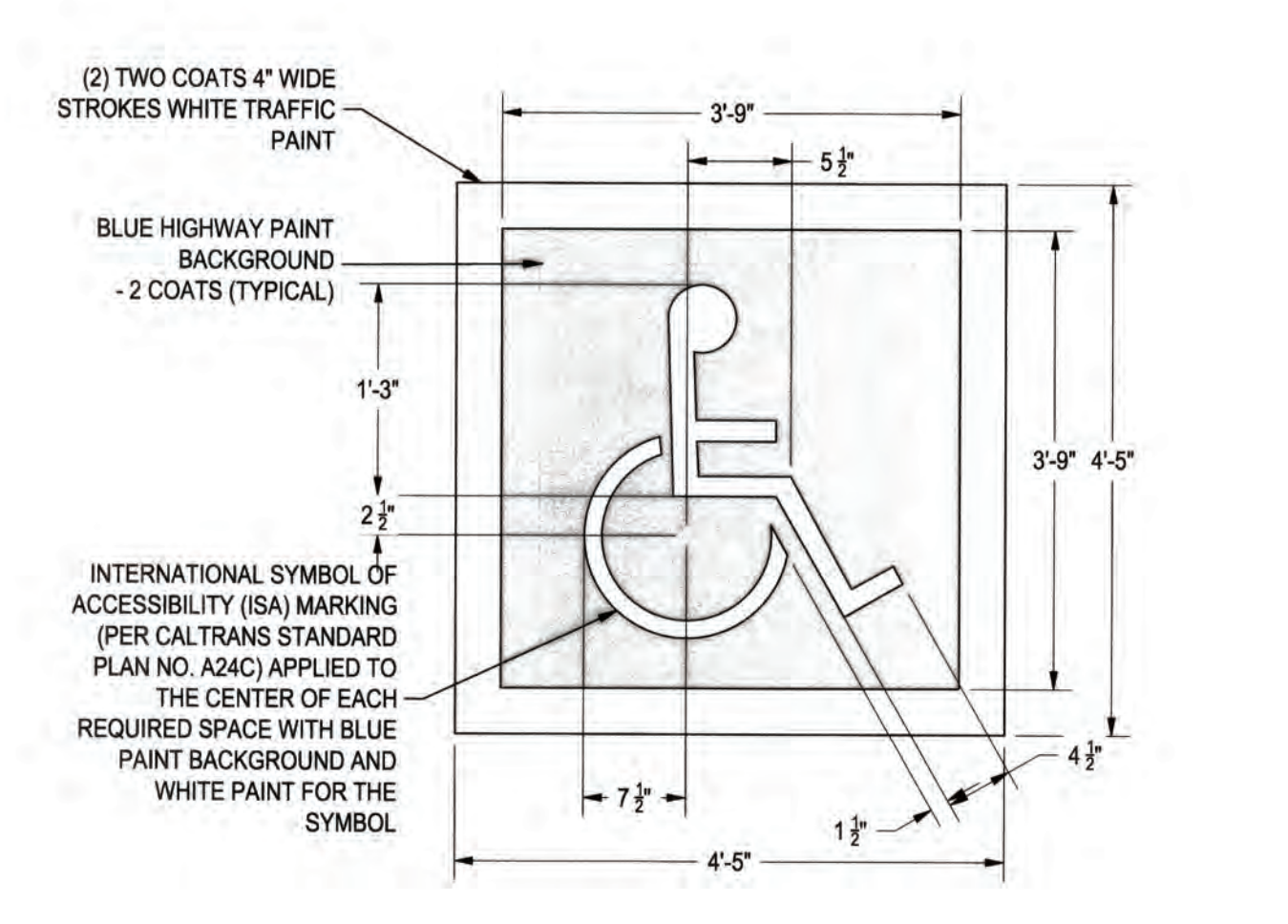


4 ACCESSIBLE PARKING DETAIL
NO SCALE

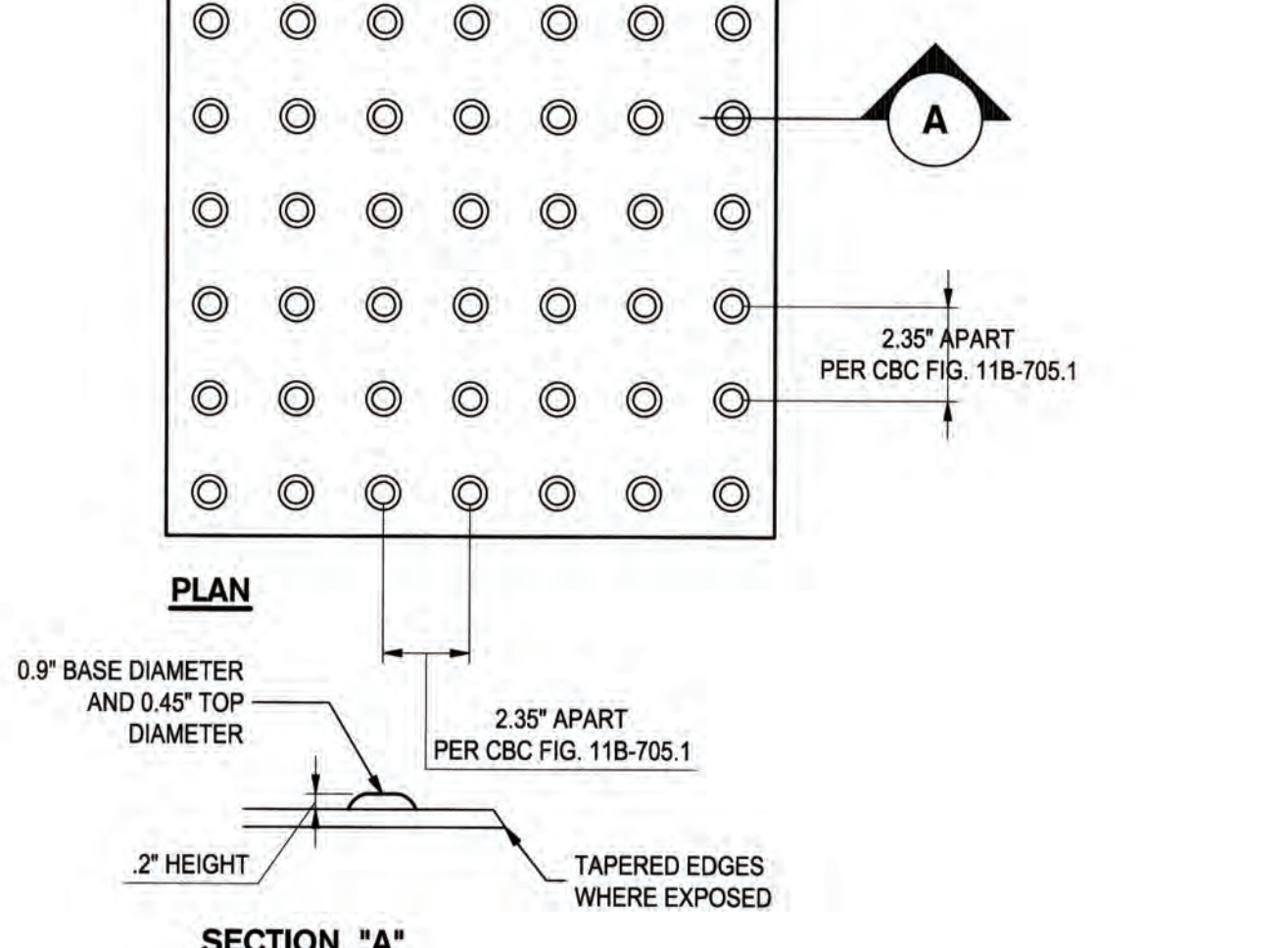
1 6" VERTICAL CURB
NO SCALE



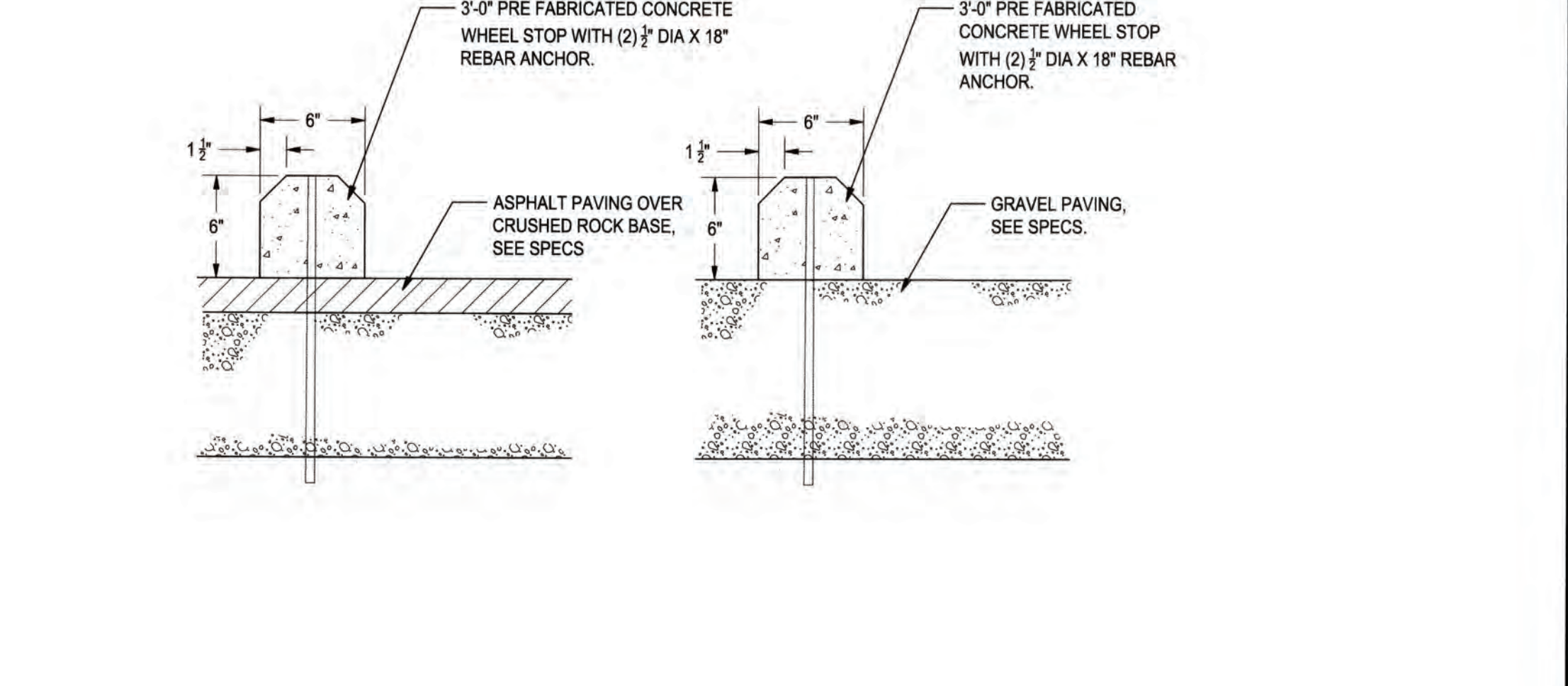
5 ACCESSIBLE PARKING SIGNAGE
NO SCALE



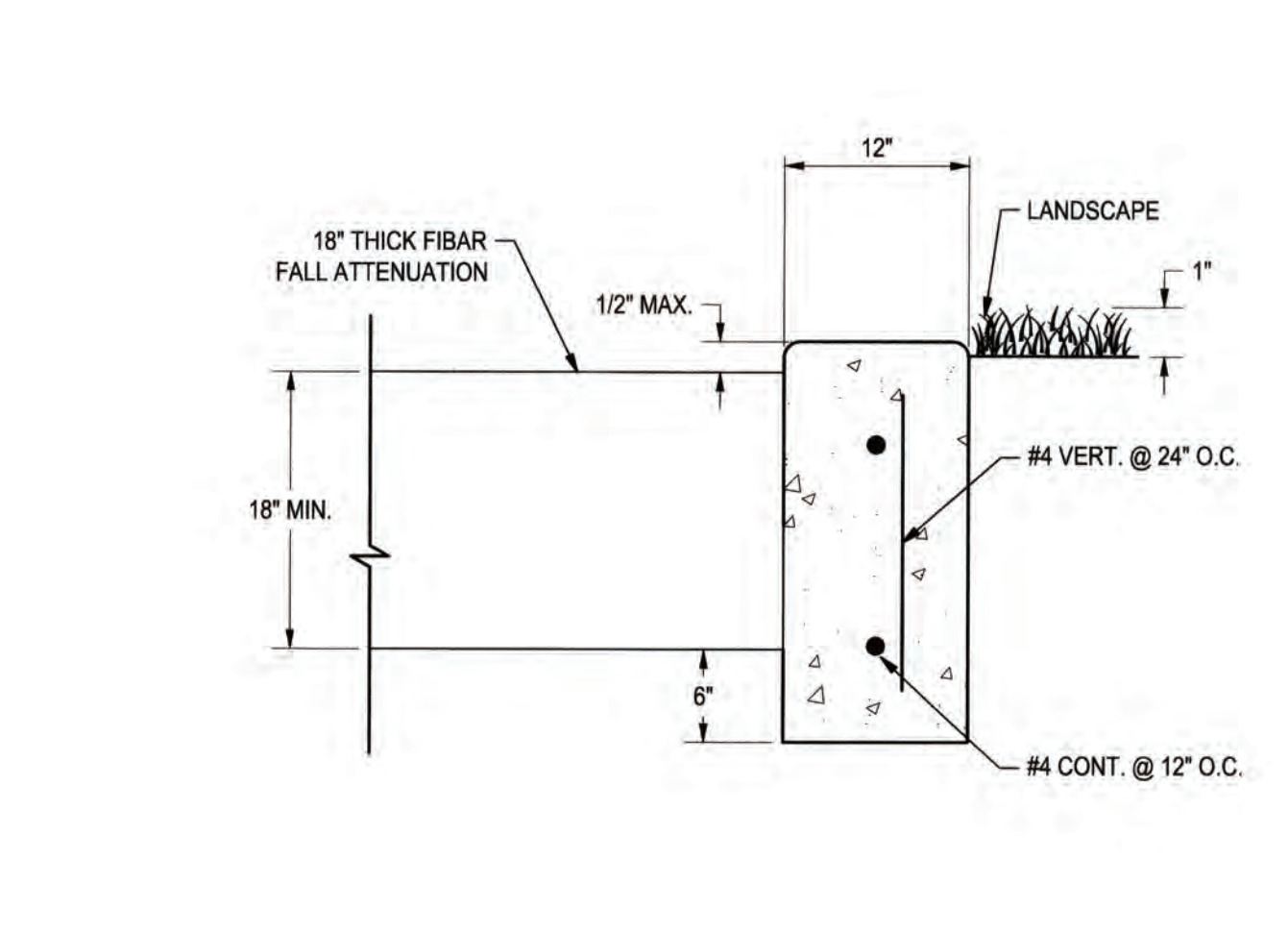
6 ACCESSIBLE PARKING SYMBOL
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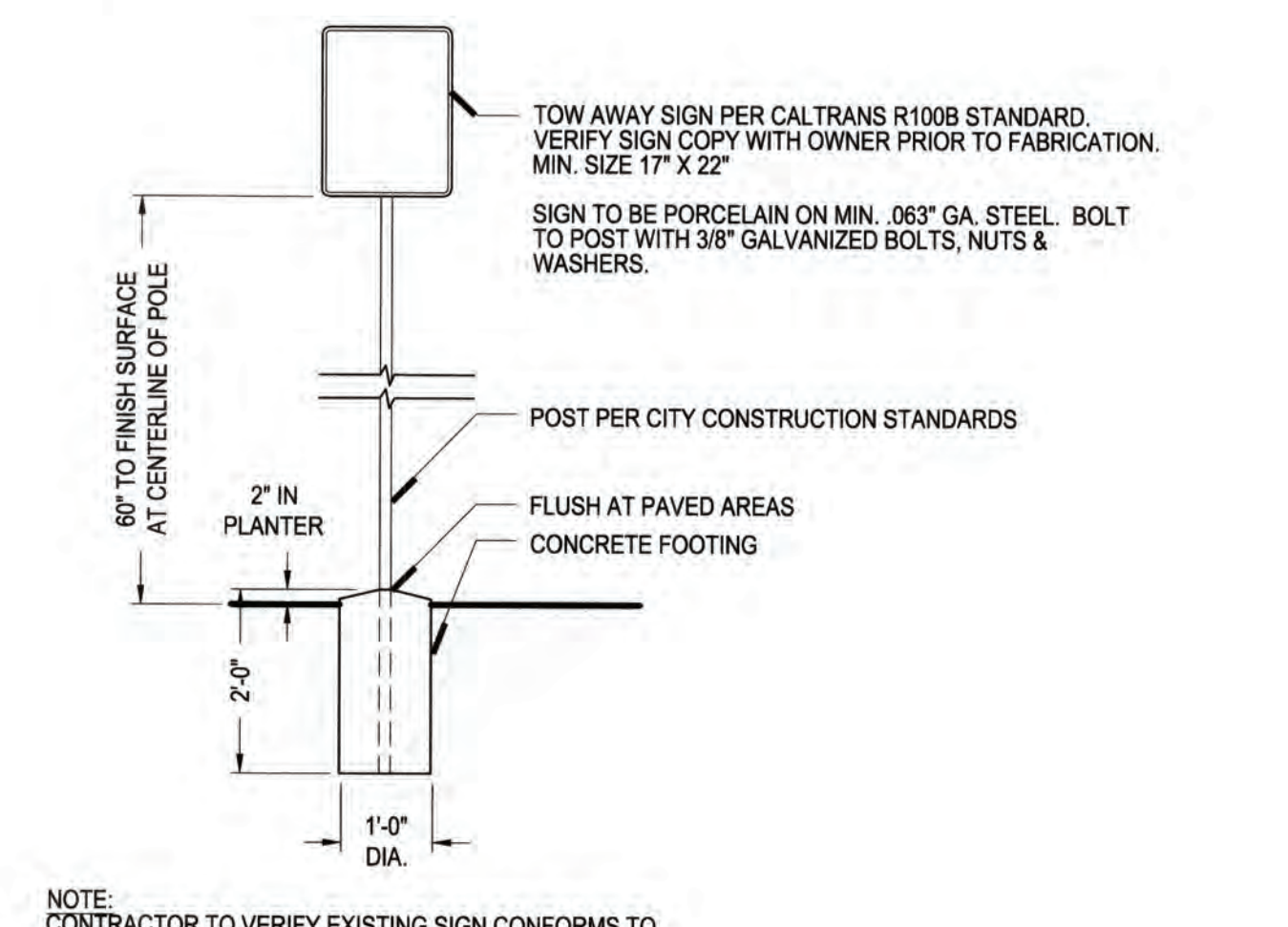
7 TRUNCATED DOMES
NO SCALE



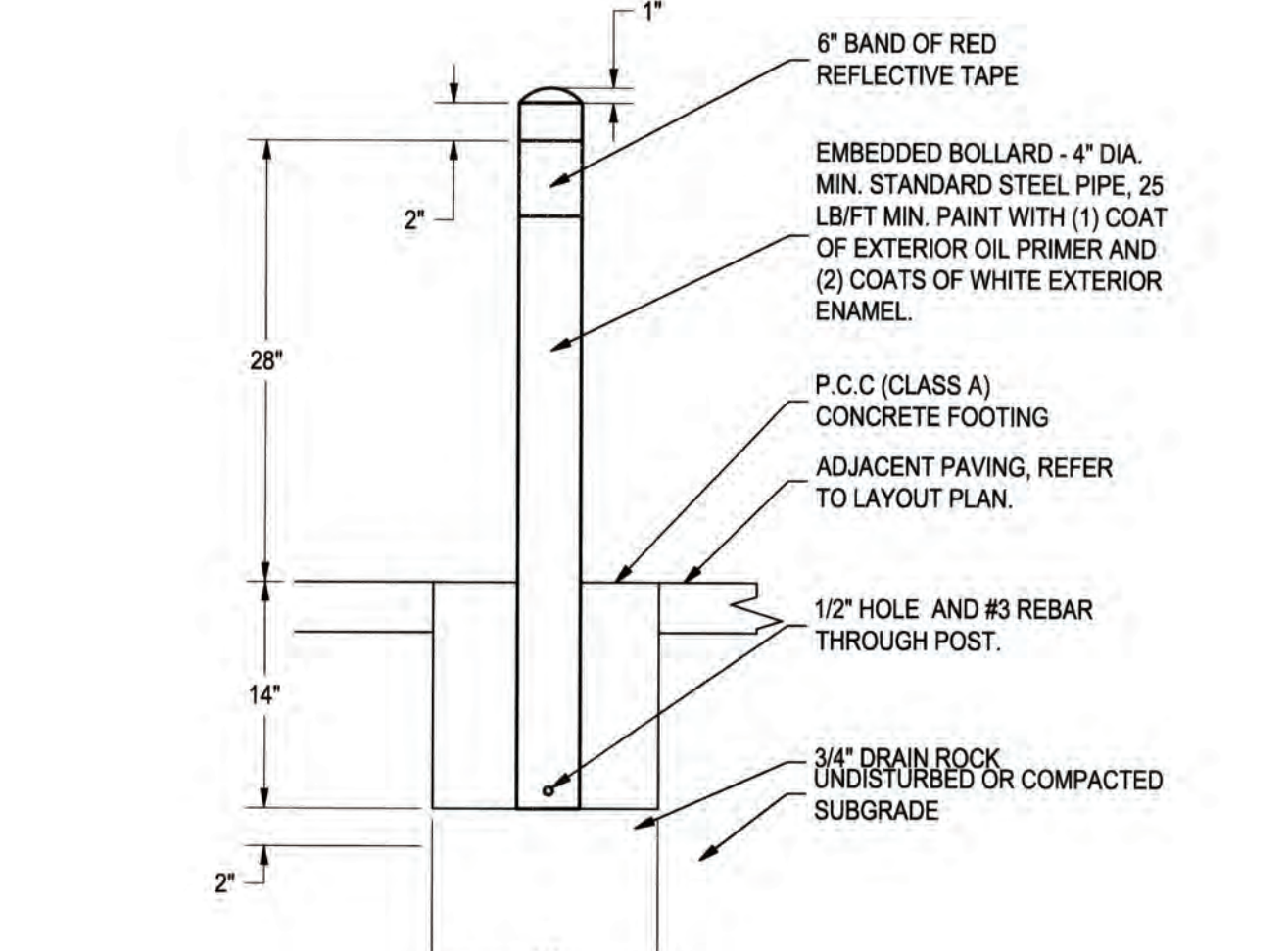
8 CONCRETE WHEEL STOP
NO SCALE



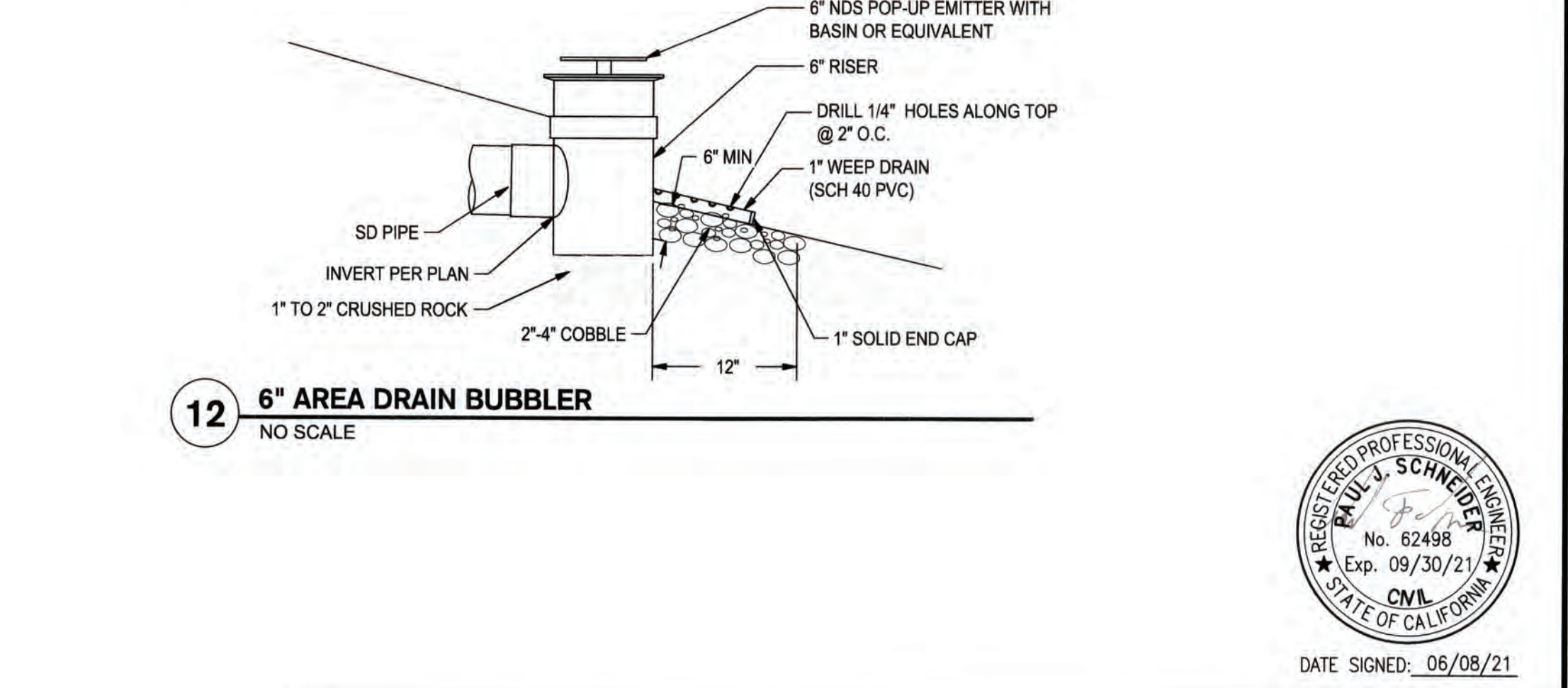
9 12" CONCRETE CURB FOR FIBAR PLAYGROUND AND PLAY BORDER
NO SCALE



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



11 STEEL BOLLARD
NO SCALE



12 6" AREA DRAIN BUBBLER
NO SCALE



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STOCKTON SOCCER COMPLEX UPGRADES

DETAILS

| | | | | |
|--------------|-------------|------|----|-----------|
| Revision No. | Description | Date | By | Apprv. By |
| | | | | |

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

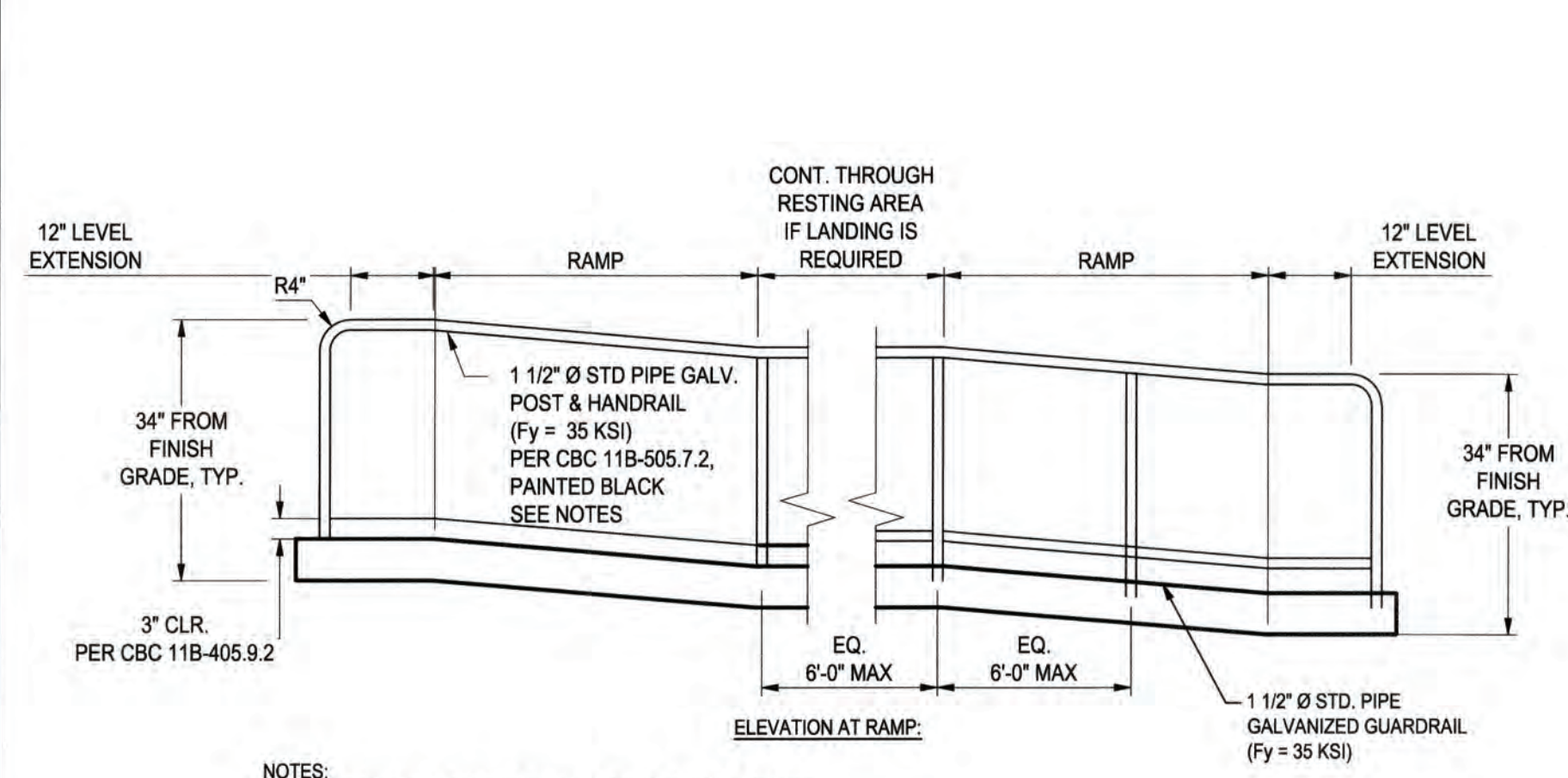
SCALE: AS SHOWN
 DESIGNED BY: PJS/MJK
 DRAWN BY: RRG
 CHECKED BY: PJS
 RECORD DWGS.

APPROVED BY: DATE
 CITY ENGINEER
 STOCKTON, CALIFORNIA

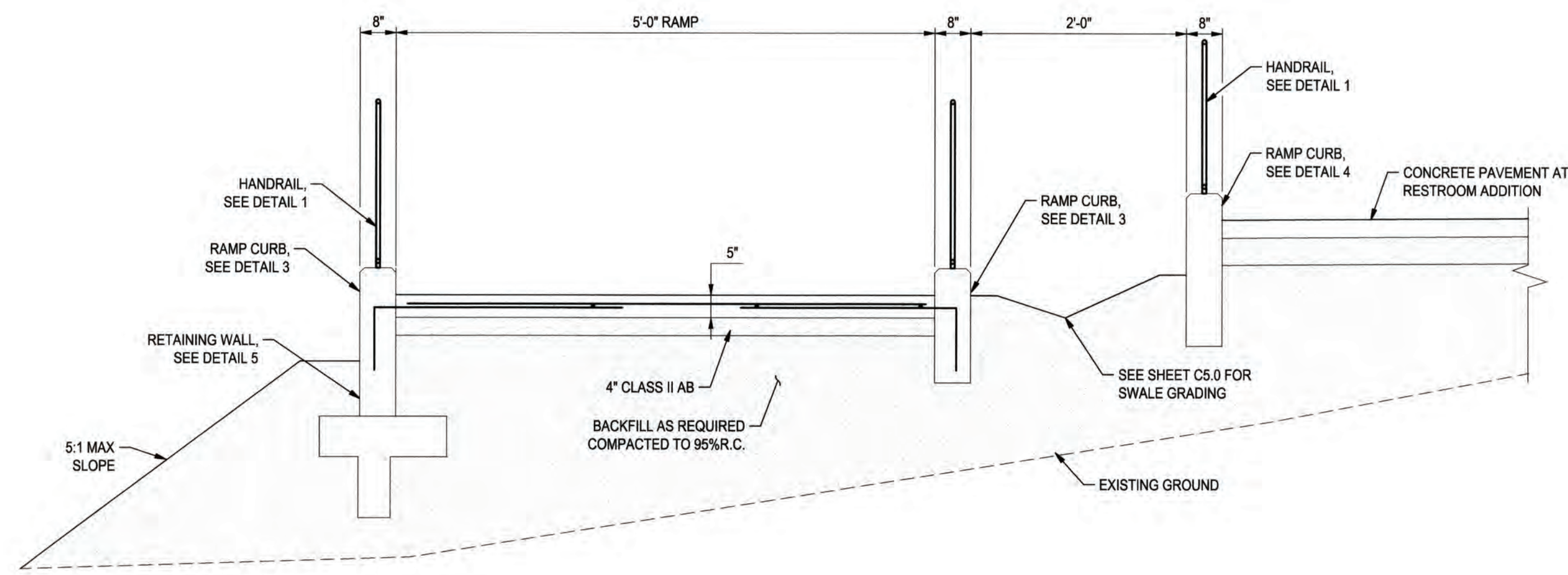
SHEET NO. **C6.0**
 OF 51 SHEETS
 PW1510
 PROJECT NO.

DATE SIGNED: 06/08/21

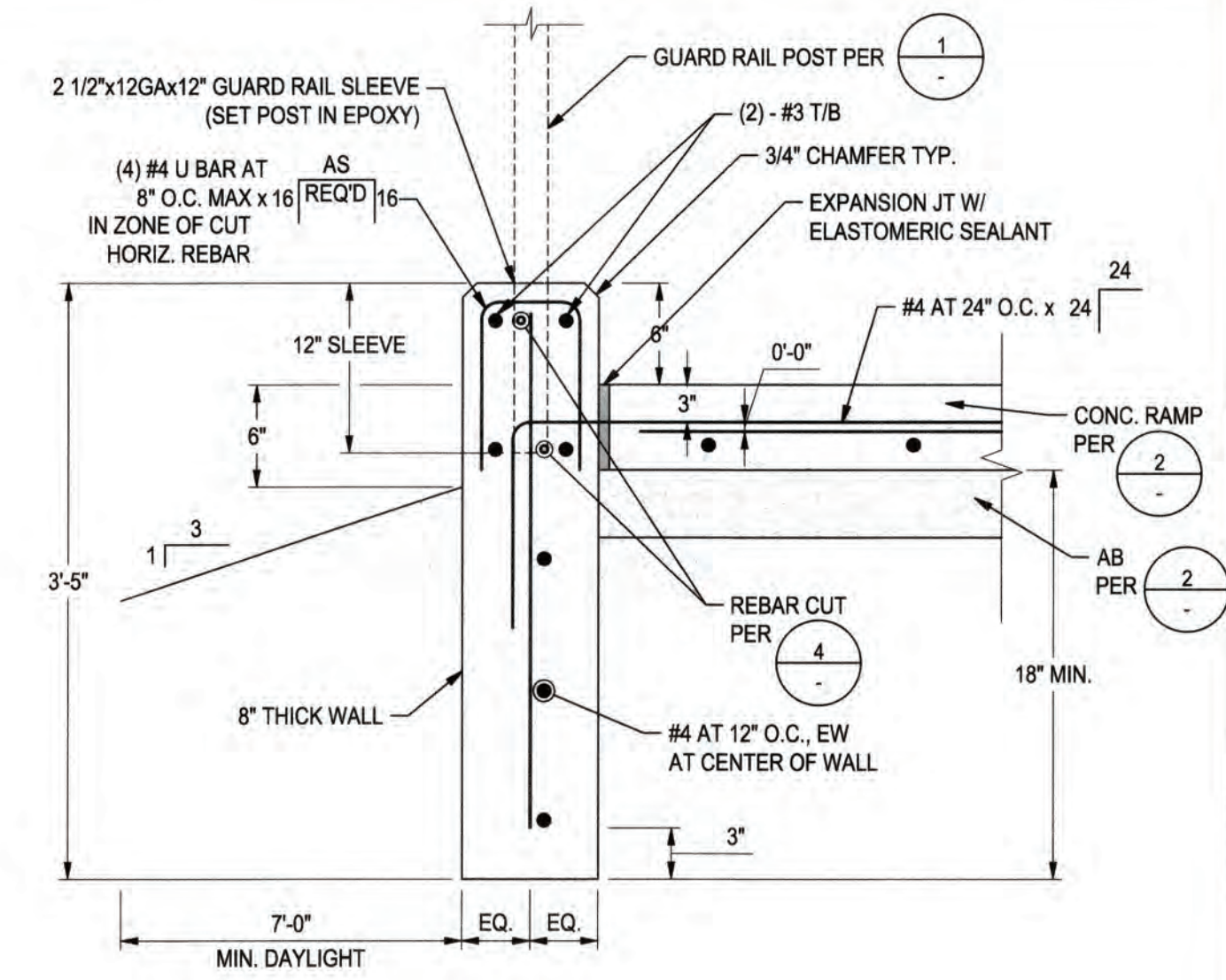
5439.8C



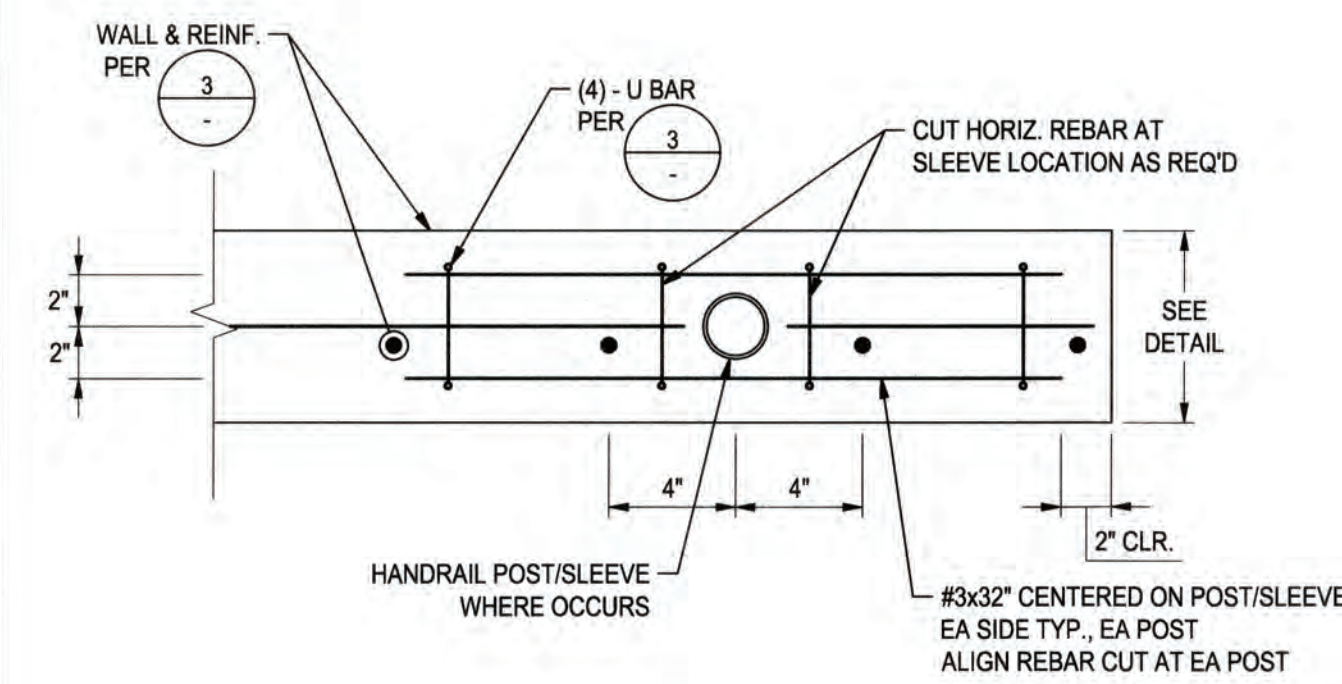
1 RAMP
NOT TO SCALE



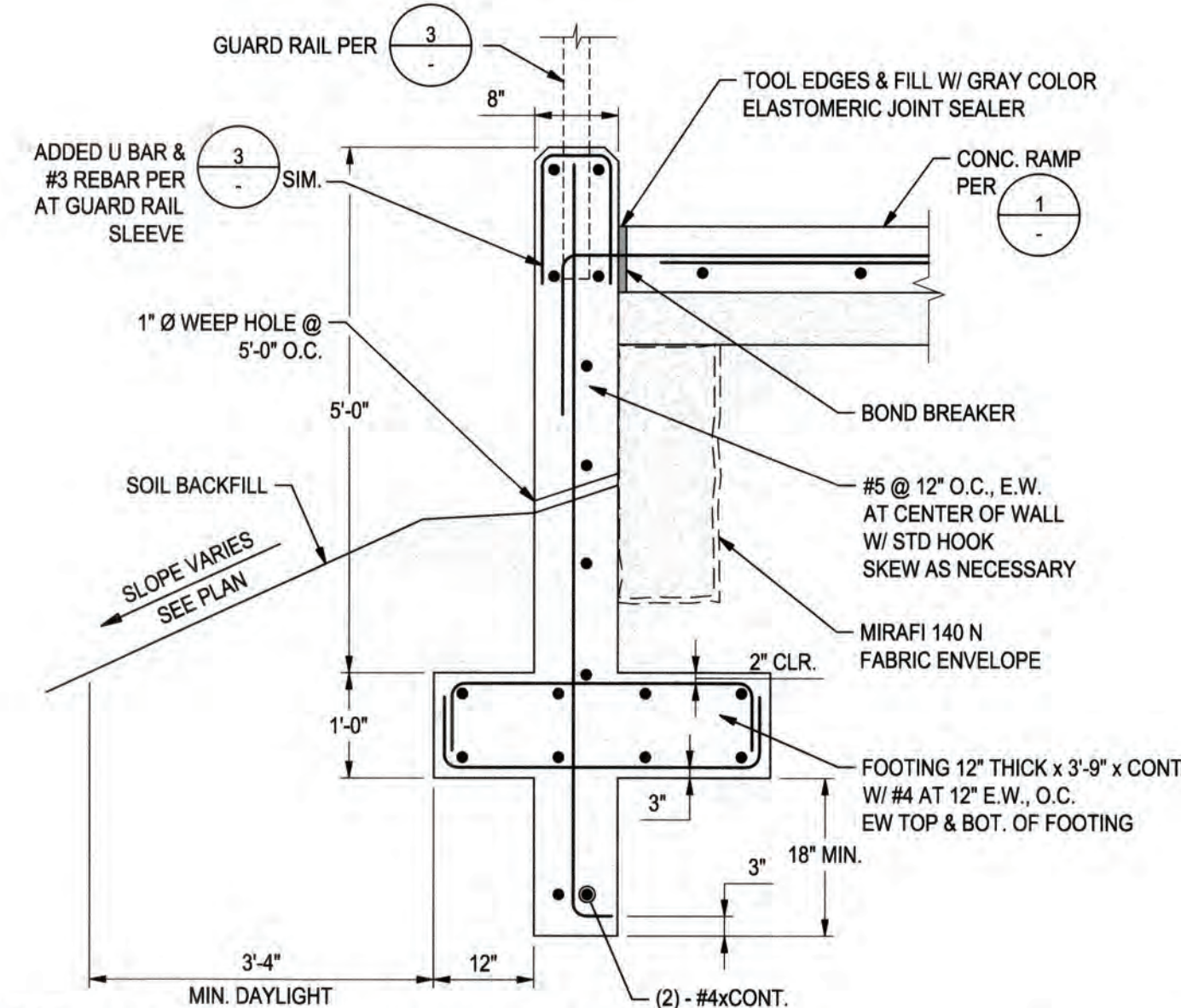
2 SECTION A-A
NOT TO SCALE



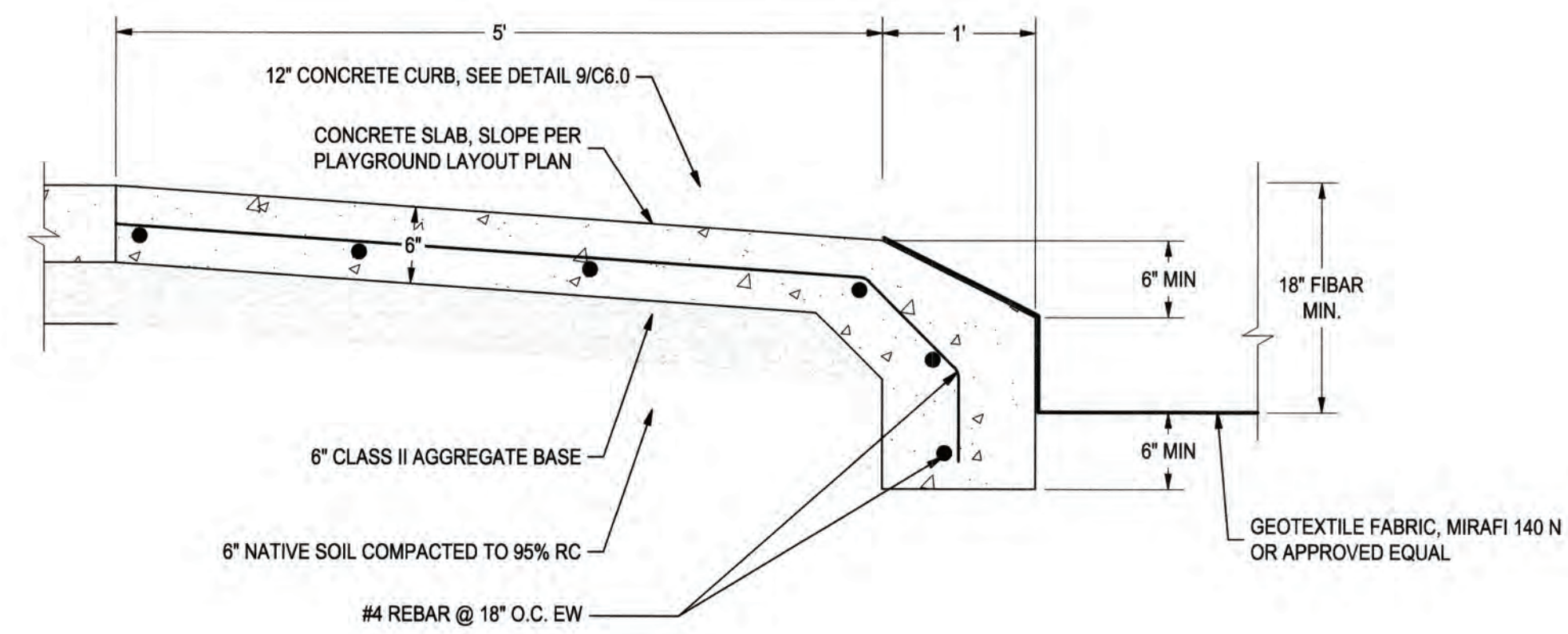
3 RAMP CURB DETAIL
NOT TO SCALE



4 HAND/ GUARD RAIL REINFORCING
NOT TO SCALE

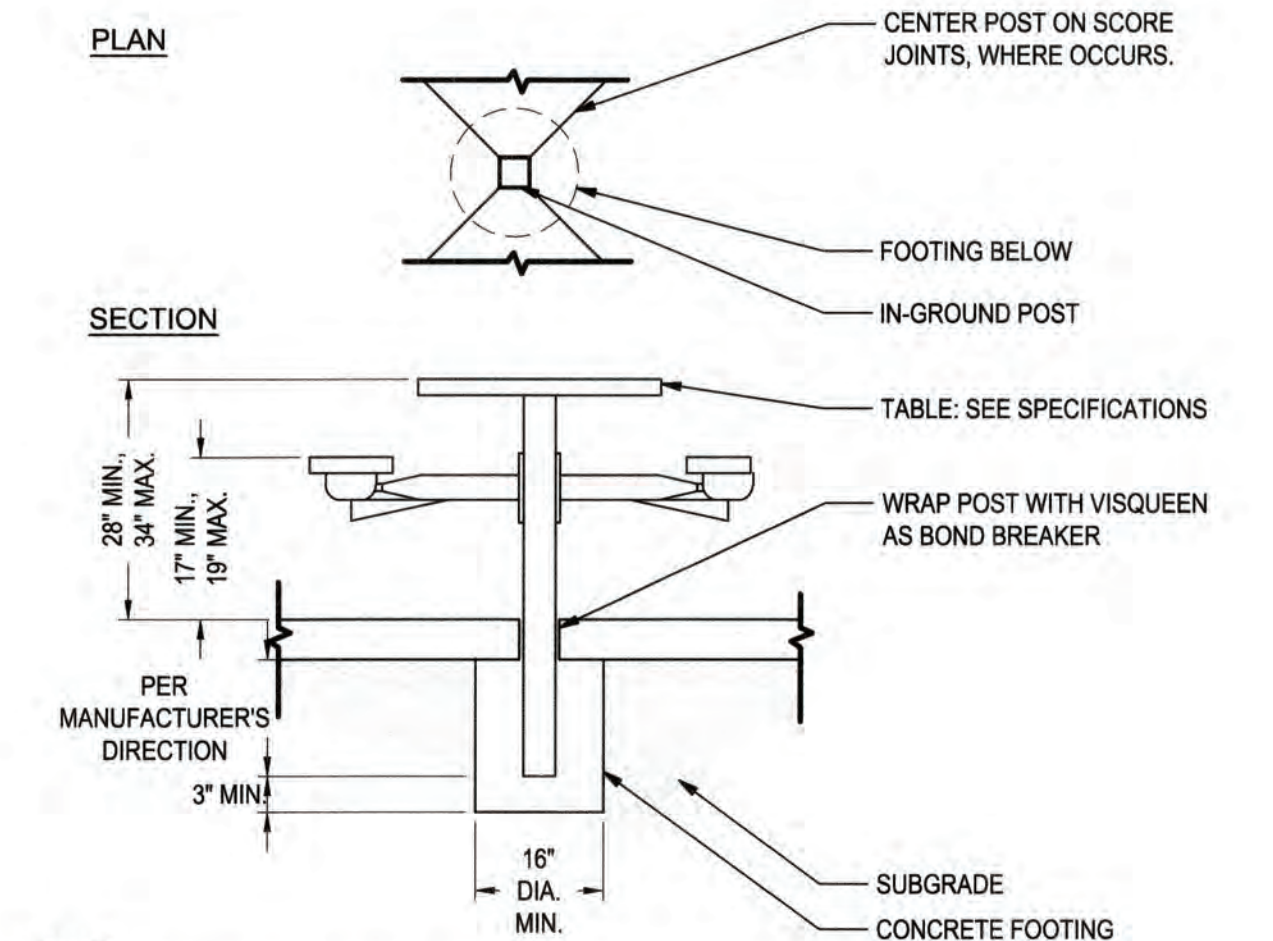


5 0' TO 5' RETAINING WALL DETAIL
NOT TO SCALE



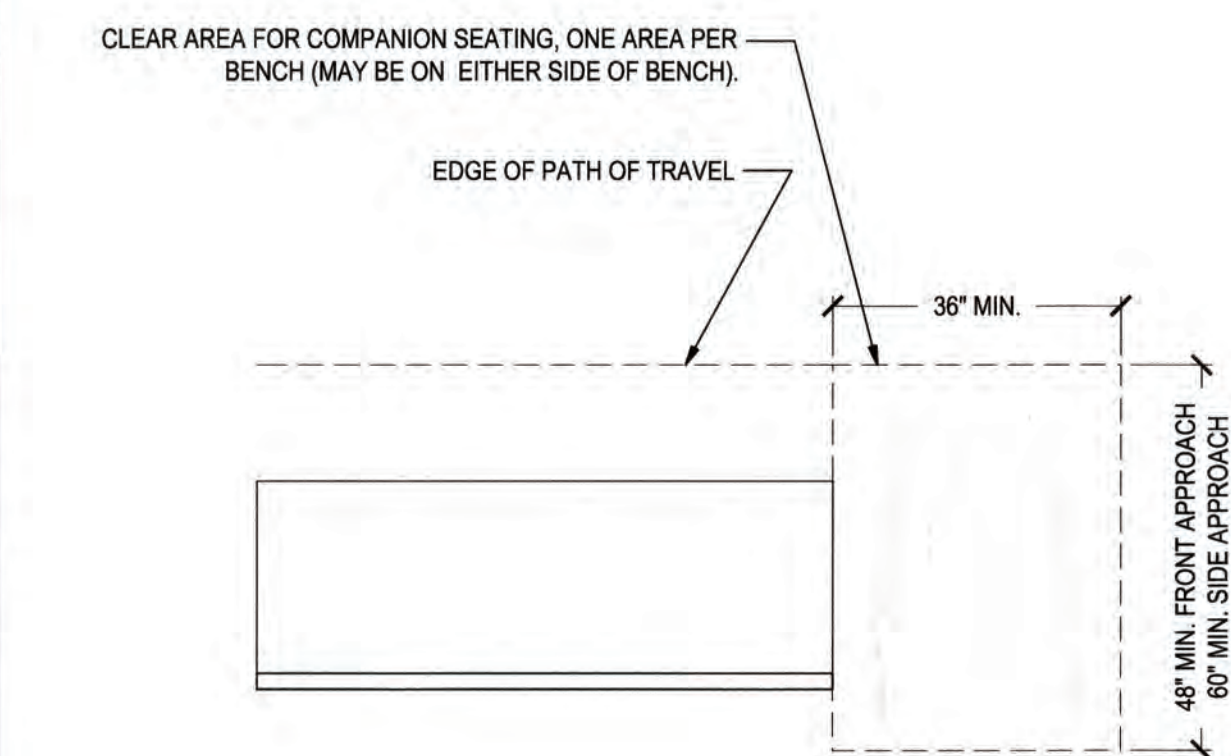
6 PLAY AREA RAMP
NOT TO SCALE

- 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.

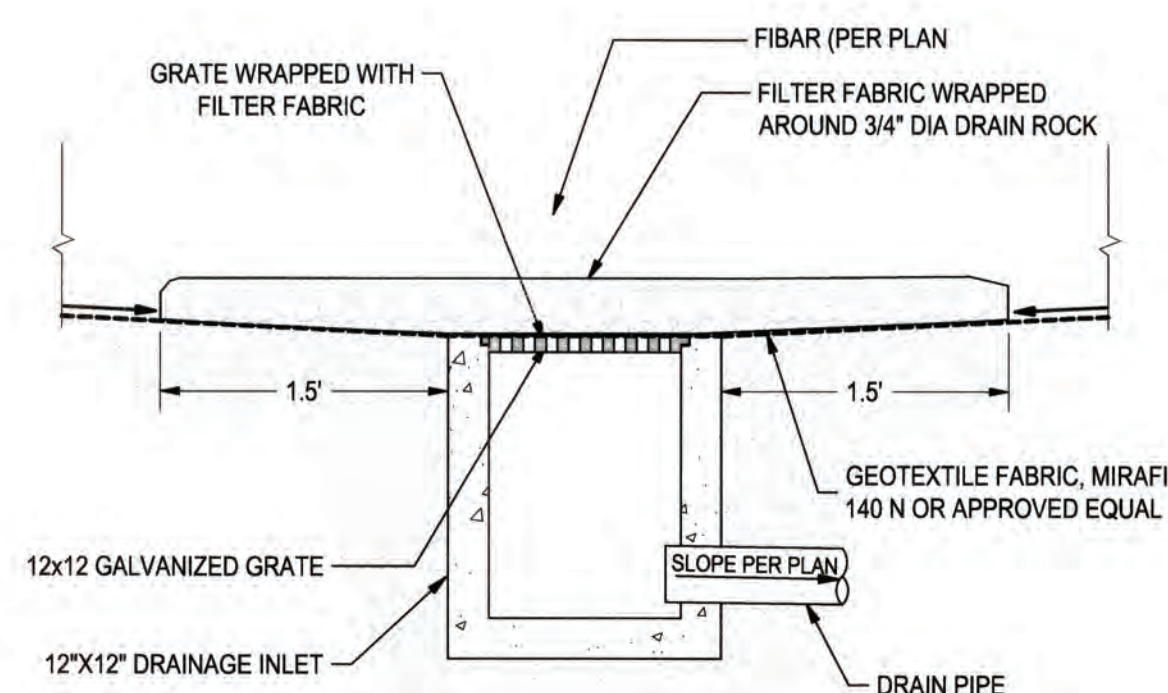


7 IN GROUND TABLE
1/2" = 1'-0"

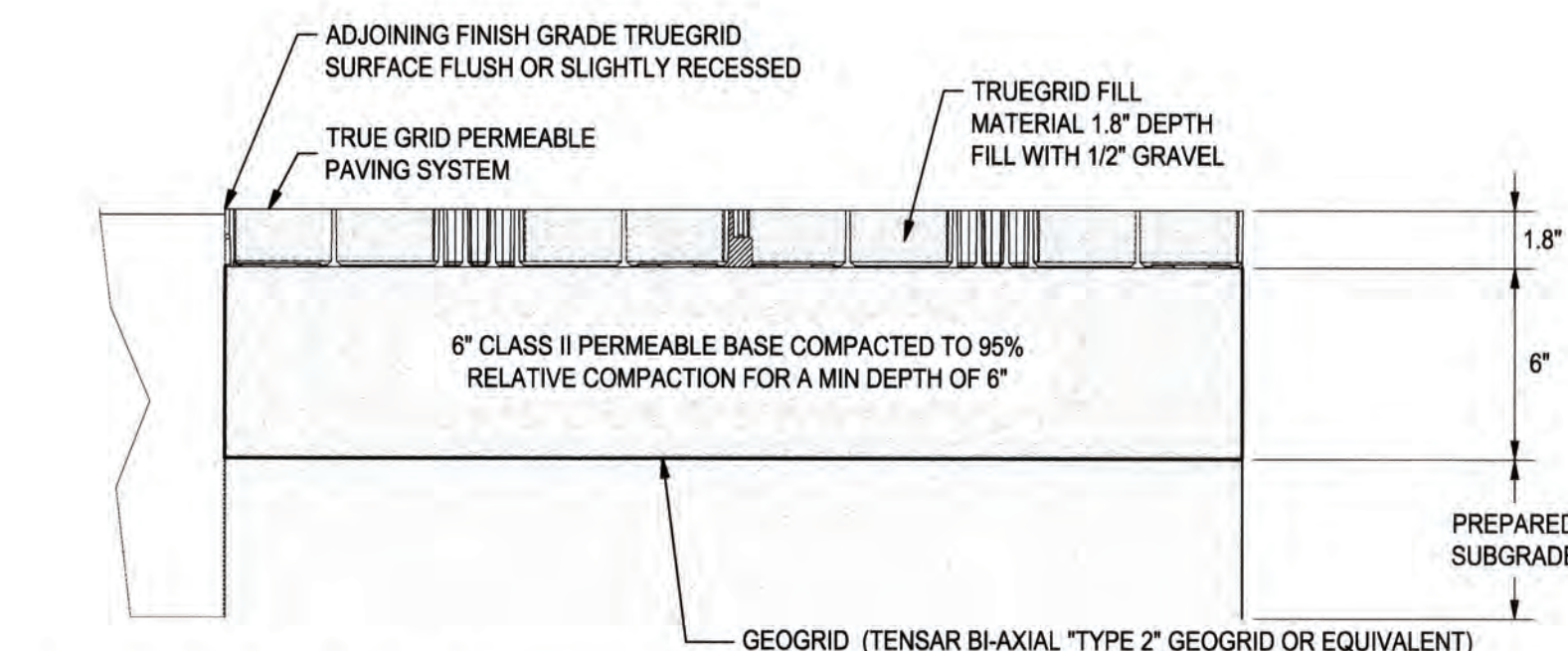
- NOTES:
A. COMPLY WITH CBC 11B-226, 11B-306.1, 11B-901.3 AND 11B-902.
B. REFER TO LAYOUT PLAN FOR ORIENTATION OF ACCESSIBLE SPACE.
C. REFER TO TABLE CLEARANCE REQUIREMENTS DETAIL, THIS SHEET.



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



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



DATE SIGNED: 06/08/21

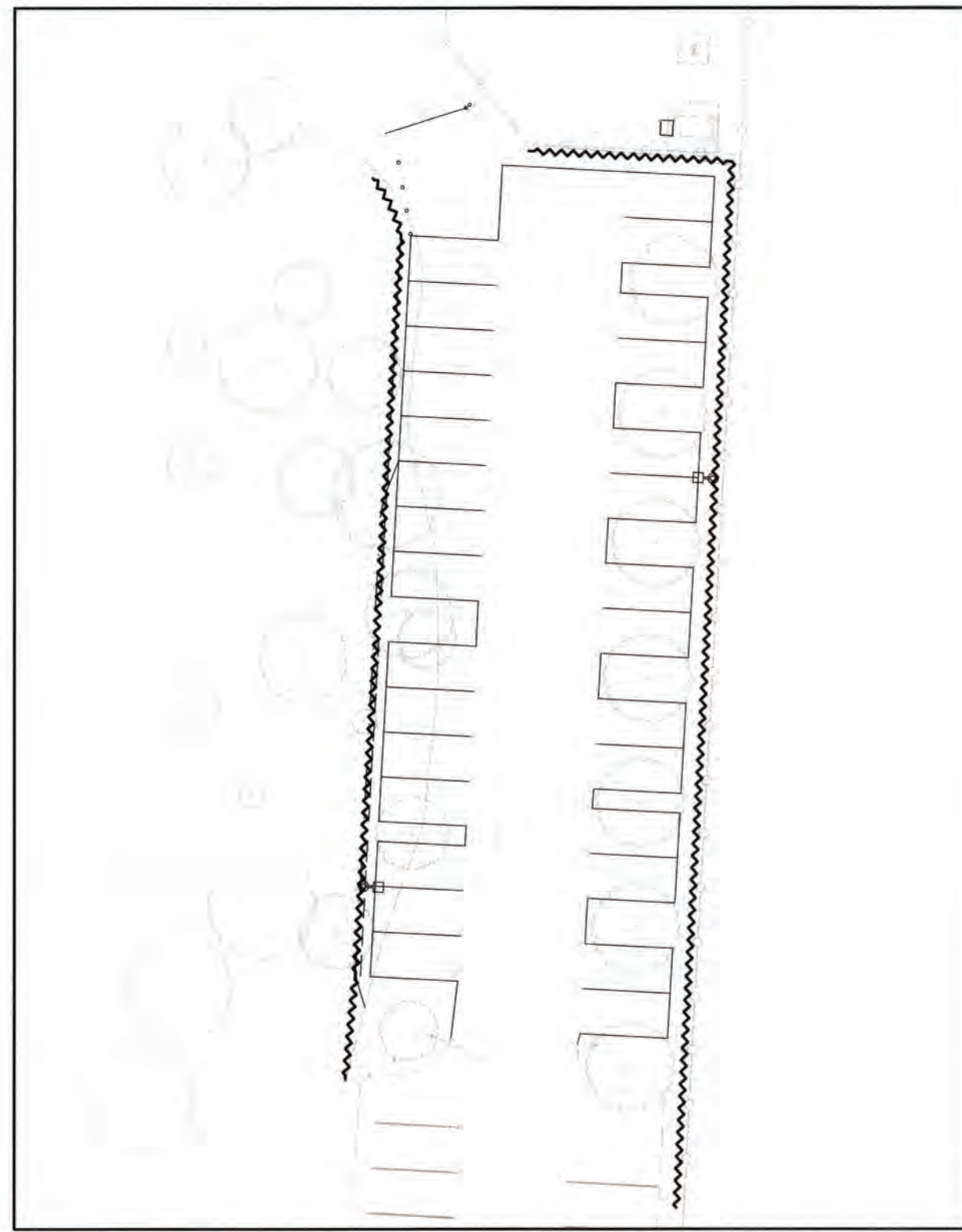
F:\Projects\19128_C05_Stockton_Soccer_Complex_Upgrade\Drawings\19128-C05-DETAILS-1.dwg - 06/08/21



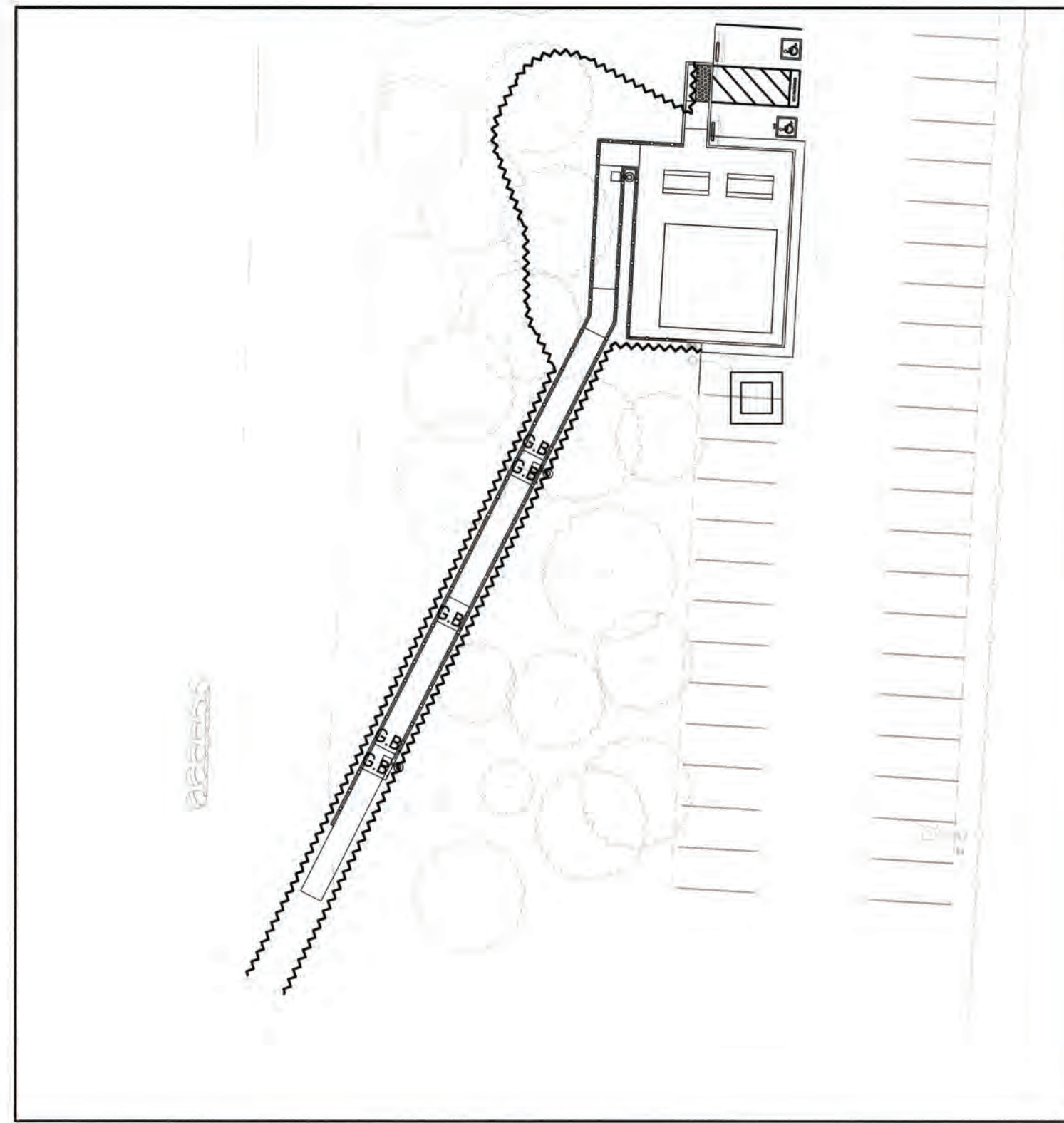
Know what's below.
Call before you dig.

| | | | | |
|--------------|-------------|------|----|-----------|
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| Revision No. | Description | Date | By | Apprv. By |
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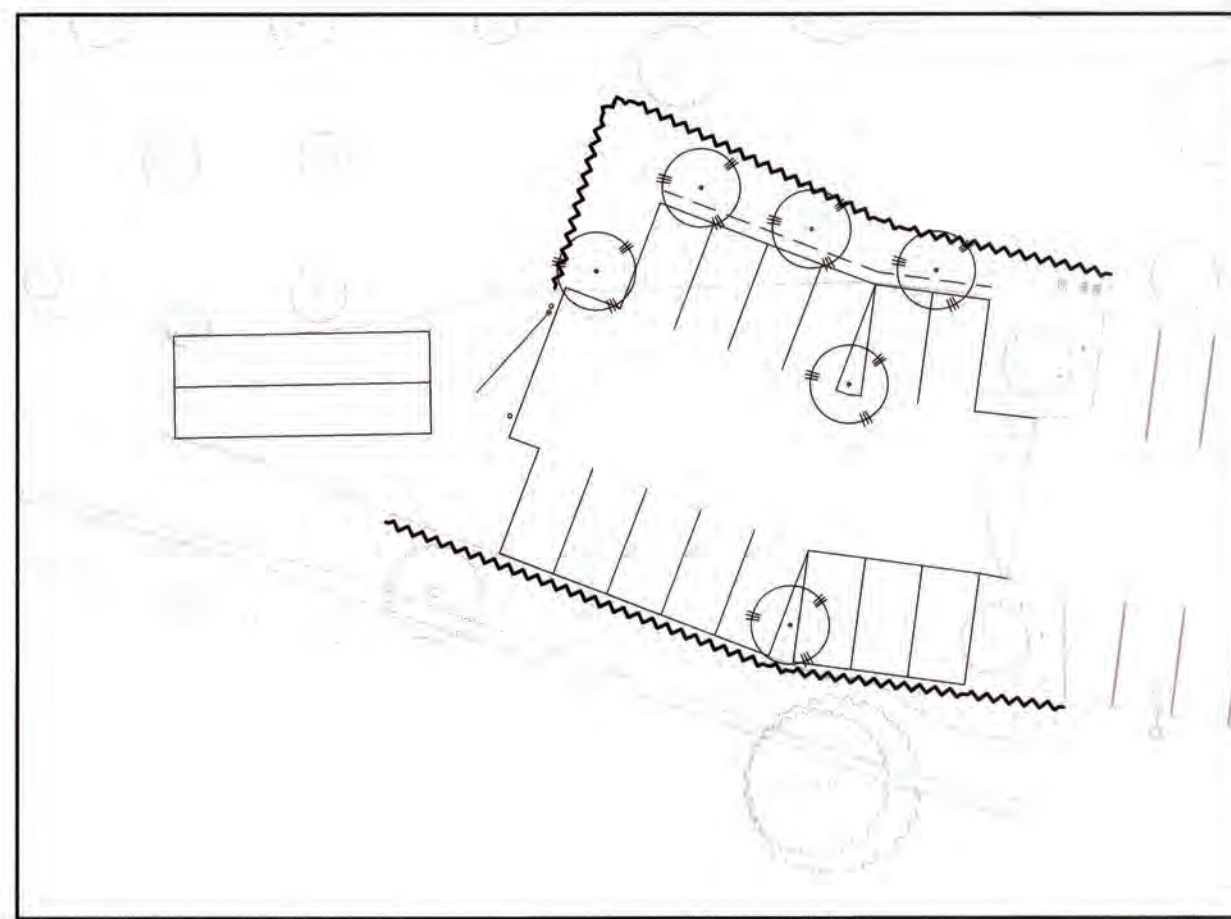
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|--|---|-----------------------|--|
| STOCKTON SOCCER COMPLEX UPGRADES | | | |
| DETAILS | | | |
| DEPARTMENT OF PUBLIC WORKS CITY OF STOCKTON, CALIFORNIA | | | |
| SCALE: AS SHOWN | APPROVED BY: <i>[Signature]</i> | SHEET NO. C6.1 | |
| DESIGNED BY: PJS/MJK | DATE: 06/08/21 | OF 51 SHEETS | |
| DRAWN BY: RRG | <i>[Signature]</i> CITY ENGINEER STOCKTON, CALIFORNIA | PW1510 | |
| CHECKED BY: PJS | | PROJECT NO. | |
| RECORD DWGS. | 5439.9C | | |



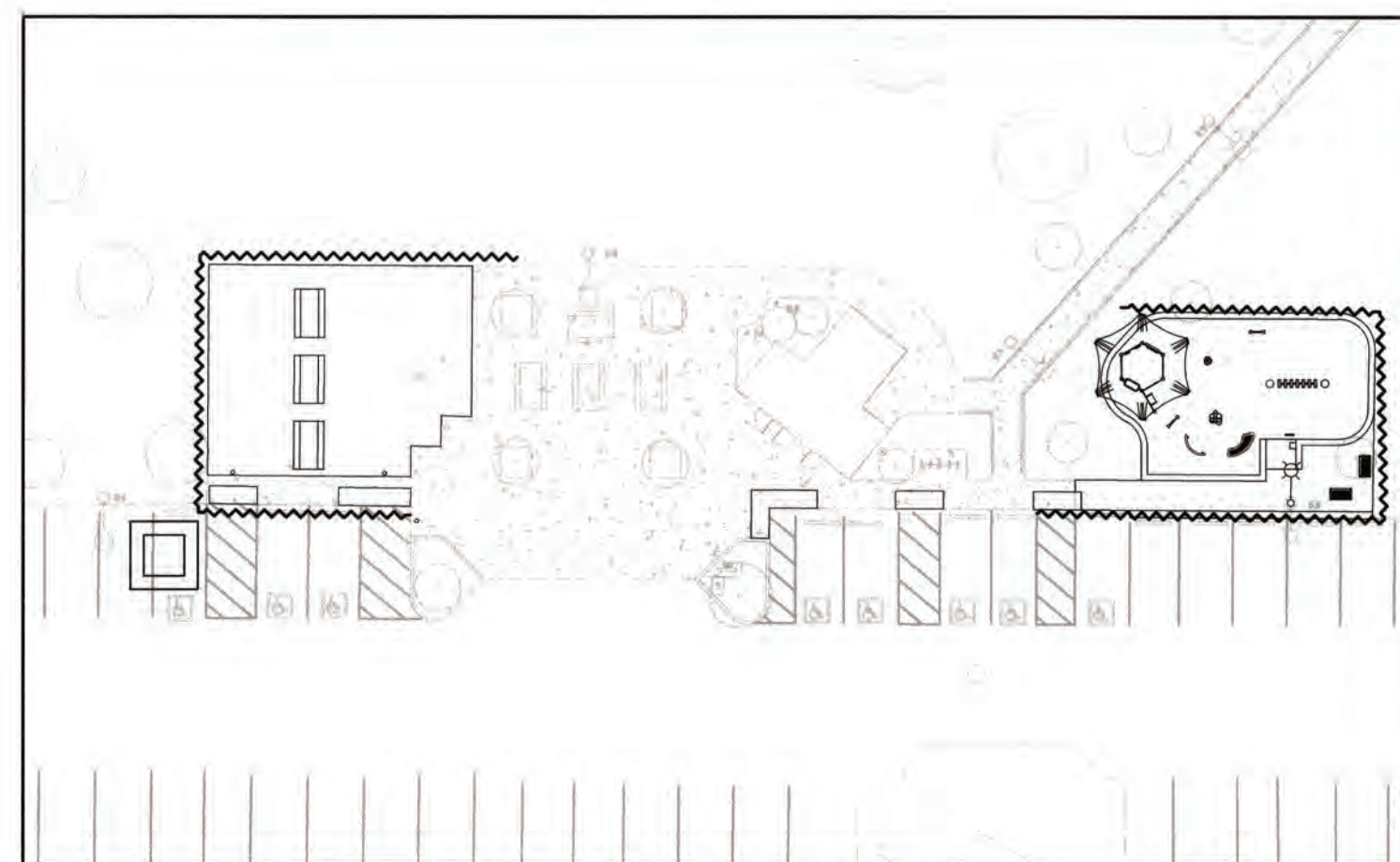
A NORTH PARKING EROSION CONTROL PLAN
SCALE: 1" = 30'



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



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



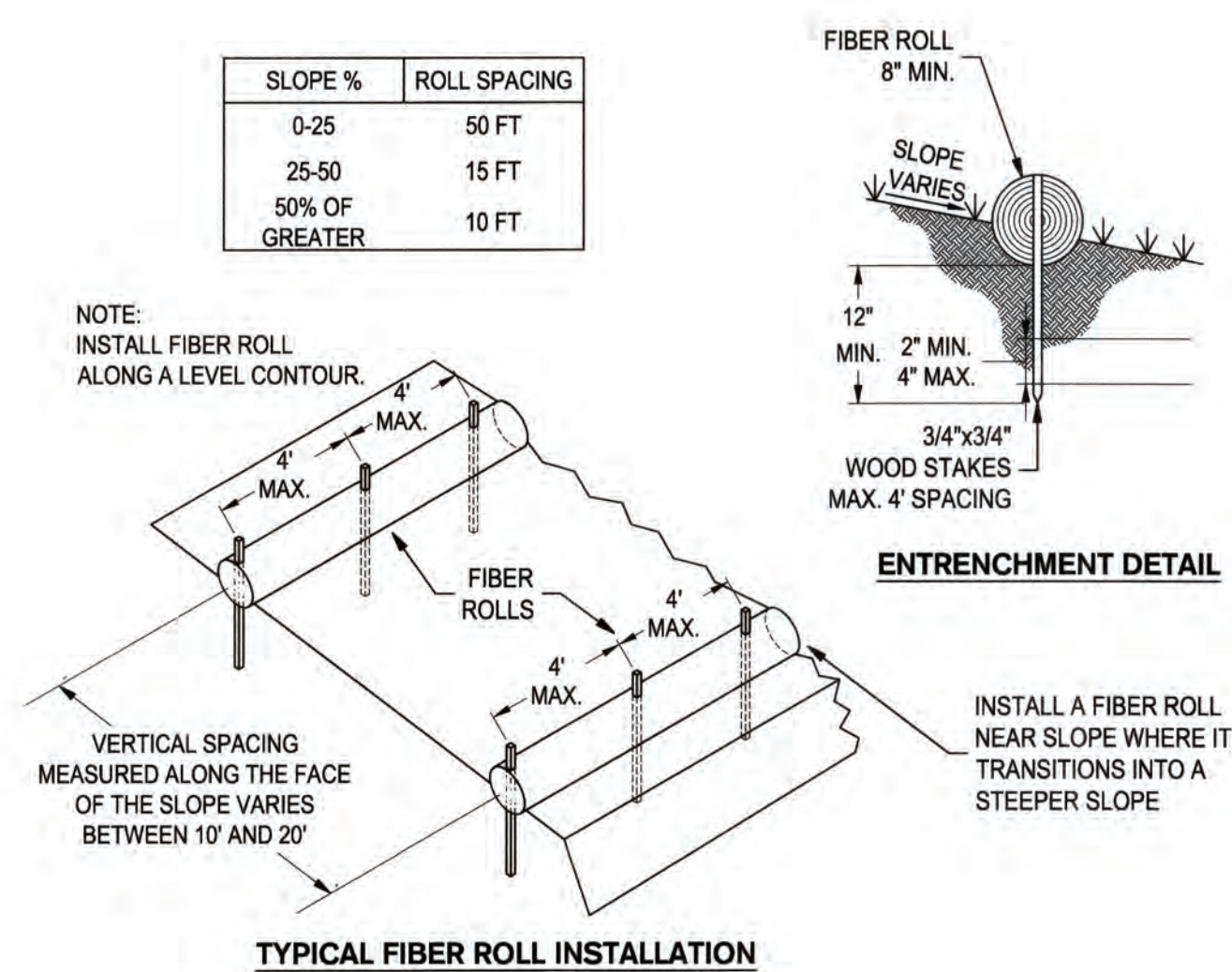
D PLAYGROUND & VAULT RESTROOM EROSION CONTROL PLAN
SCALE: 1" = 30'

EROSION CONTROL GENERAL NOTES

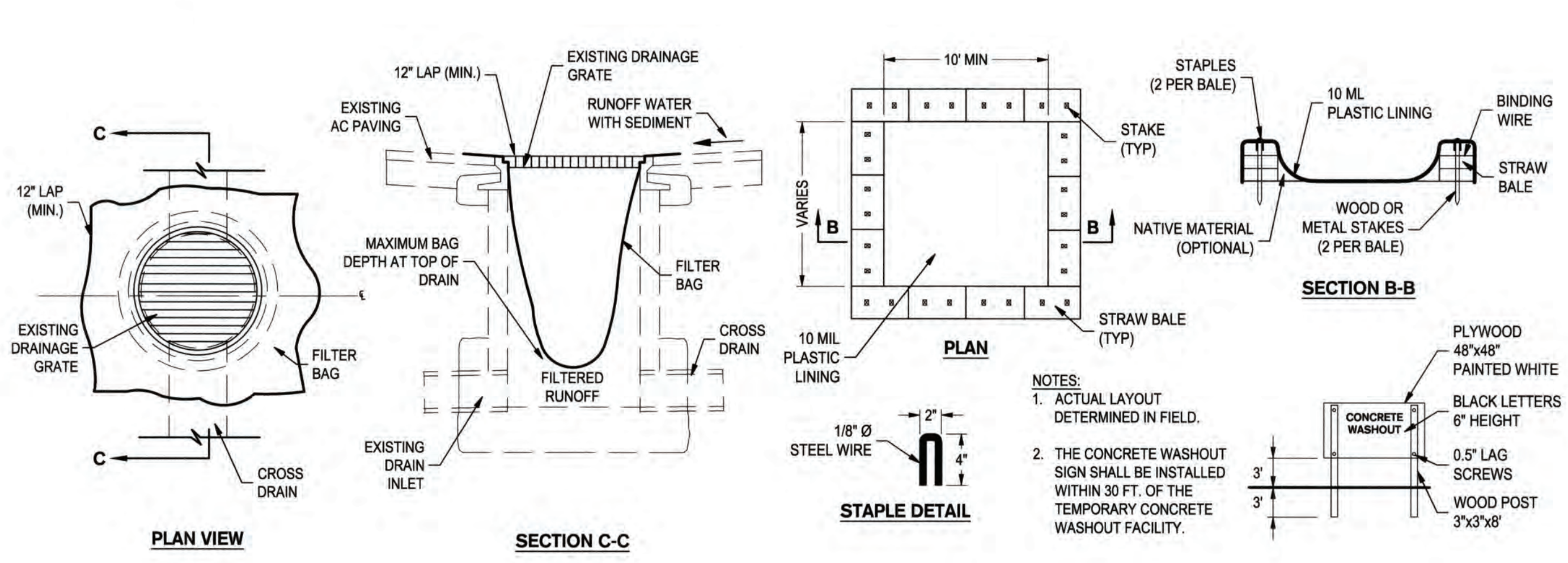
- PLANS ARE DIAGRAMMATIC AND ARE NOT INTENDED TO SHOW ALL OFFSETS. THE SITE IS DYNAMIC AND CHANGES ON A DAILY BASIS, CHANGES SHOULD BE MADE ACCORDING TO EXISTING CONDITIONS. BECAUSE IT IS IMPOSSIBLE TO PREDICT ALL POSSIBLE SITUATIONS, CONTRACTOR SHALL USE BEST MANAGEMENT PRACTICES TO ENSURE QUALITY CONTROL.
- 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.
- 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.
- 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.
- 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 |
- 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.
- 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.
- 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.
- ALL DEWATERING WATER MUST BE CHANNLED THROUGH AN APPROVED SEDIMENT BARRIER PRIOR TO THE WATER ENTERING THE STORM SYSTEM.
- 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 SWEEPED.
- ALL STOCKPILES OF MATERIALS THAT ARE NOT GOING TO BE USED FOR 14 DAYS SHALL BE COVERED.
- 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:
 - DRAIN INLET PROTECTION - CALIFORNIA STORMWATER BMP HANDBOOK SECTION SE-10
 - SOLID WASTE MANAGEMENT - CALIFORNIA STORMWATER BMP HANDBOOK SECTION WM-5
 - MATERIAL STORAGE - CALIFORNIA STORMWATER BMP HANDBOOK SECTION WM-1
 - PAVING - CALIFORNIA STORMWATER BMP HANDBOOK SECTION NS-3
 - DUST CONTROL, SEDIMENT CONTROL, EROSION CONTROL AND CONCRETE WASHOUT AREAS - SHOWN ON THIS SHEET WITH DETAILS
- 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.
- CONTRACTOR SHALL ENSURE THAT CONSTRUCTION ACTIVITIES DO NOT DEPOSIT SEDIMENT ONTO THE PARKING LOT OR PUBLIC ROADWAY, SIDEWALK, AND GUTTERS.
- CONTRACTOR SHALL USE STREET SWEEPING OR OTHER DRY-SWEEPING METHOD, AS NECESSARY, TO REMOVE CONSTRUCTION-RELATED SEDIMENTS FROM PAVEMENT IN PROJECT AREA PARKING LOT AND PUBLIC SIDEWALKS, GUTTERS, AND ROADWAY.
- 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 |



1 FIBER ROLLS
SCALE: NTS



2 GRAVEL BAG FILTER AT DROP INLET
SCALE: NTS

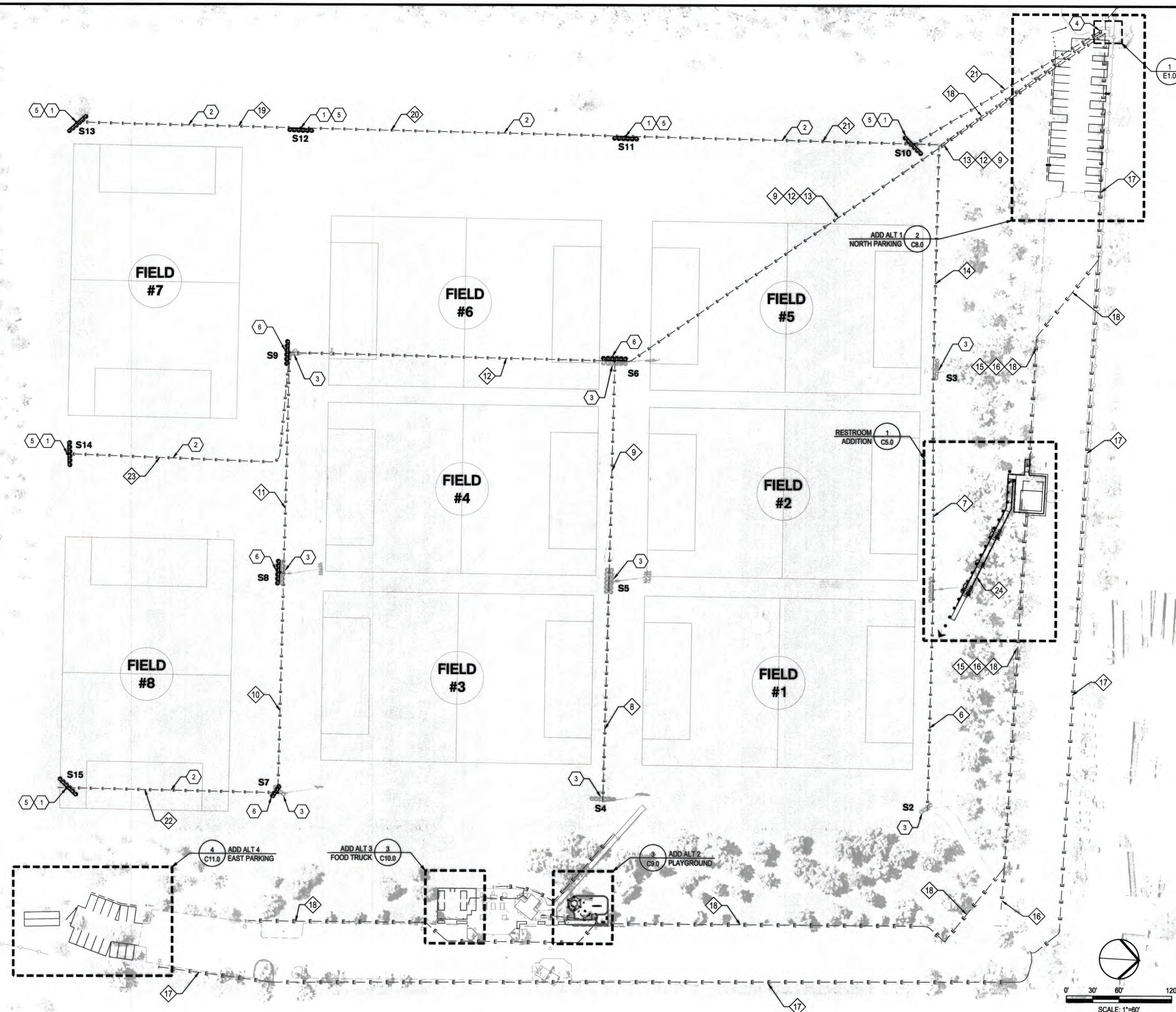
3 CONCRETE WASHOUT
SCALE: NTS

REGISTERED PROFESSIONAL ENGINEER
PAUL J. SCHNEIDER
No. 62498
Exp. 09/30/21
CIVIL
STATE OF CALIFORNIA
DATE SIGNED: 06/08/21

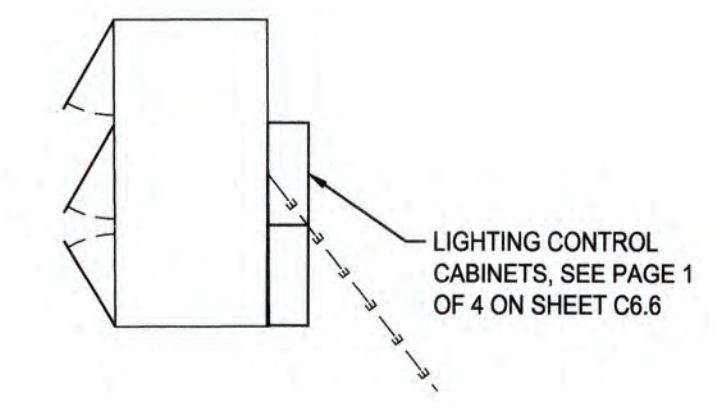
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|---|--|---|---|--|
| 3428 Brookside Road Stockton, California 95210 209-942-2021 www.siegfriedeng.com Fax: 209-942-0214 | | STOCKTON SOCCER COMPLEX UPGRADES | | |
| | | EROSION CONTROL PLAN | | |
| DEPARTMENT OF PUBLIC WORKS CITY OF STOCKTON, CALIFORNIA | | SCALE AS SHOWN DESIGNED BY PJS/MJK DRAWN BY RRG CHECKED BY PJS RECORD DWGS. | APPROVED BY: <i>[Signature]</i> DATE: 6/23/21 CITY ENGINEER STOCKTON, CALIFORNIA | SHEET NO. C7.0 OF 61 SHEETS PW1510 PROJECT NO. |

F:\V\projects\18128 125 Stockton Soccer Complex Upgrade\Drawings and Graphics\Improvement Plans\18128-05-0-02020.dwg --- 06/08/21





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 |
| 8 | S4 (FIELD 1, 3) | 2" | 6 #6 | #6 |
| 9 | S5 (FIELD 1, 2, 3, 4) | 2" | 6 #6 | #6 |
| 10 | S7 (FIELD 3) | 2" | 3 #6 | #6 |
| 11 | S7 (FIELD 8) | 2" | 6 #6 | #6 |
| 12 | S8 (FIELD 3, 4) | 2" | 3 #6 | #6 |
| 13 | S8 (FIELD 8) | 2" | 6 #6 | #6 |
| 14 | S9 (FIELD 4) | 2" | 6 #6 | #6 |
| 15 | S9 (FIELD 3) | 2" | 6 #6 | #6 |
| 16 | S9 (FIELD 6, 7, 8) | 2" | 6 #6 | #6 |
| 17 | S6 (FIELD 2, 4) | 2" | 6 #6 | #6 |
| 18 | S6 (FIELD 5, 6) | 2" | 6 #6 | #6 |
| 19 | S3 (FIELD 2, 1) | 2" | 6 #6 | #6 |
| 20 | S3 (FIELD 5) | 2" | 6 #6 | #6 |
| 21 | CONCESSION BLDG POWER ZONE P2 | 2 1/2" | 2 #350 | |
| 22 | MAINTENANCE BLDG POWER ZONE P1 | 2" | 2 #2/0 | |
| 23 | PARKING LIGHTS CKT 1 | 2" | 2 #6 | #6 |
| 24 | PARKING LIGHTS CKT 2 | 2" | 2 #6 | #6 |
| 25 | S13 (FIELD 7) | 2" | 6 #6 | #6 |
| 26 | S12 (FIELD 7, 6) | 2" | 6 #6 | #6 |
| 27 | S11 (FIELD 7, 6, 5) | 2" | 6 #6 | #6 |
| 28 | S15 (FIELD 8) | 2" | 6 #6 | #6 |
| 29 | S14 (FIELD 8, 7) | 2" | 6 #6 | #6 |
| 30 | RESTROOM RAMP (FROM RESTROOM PANEL) | 2" | 2 #6 | 1 #6 |

EXISTING PER AS-BUILT PLANS
MODIFY AS NOTED

PROPOSED

2 FEEDER SCHEDULE

INSTALL WIRE AND PULL WIRE AS NOTED

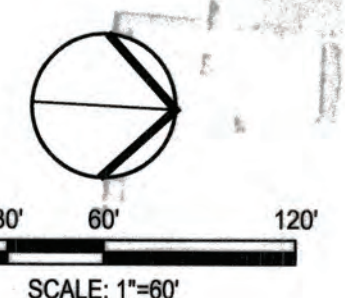
LIGHTING AND ELECTRICAL PLAN
SCALE: 1" = 60'-0"

| 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



DATE SIGNED: 06/08/21



3428 Brookside Road Stockton, California 95219
209-940-9001 www.siegfriedeng.com Fax 209-940-0214

STOCKTON SOCCER COMPLEX UPGRADES

LIGHTING AND ELECTRICAL PLAN

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

| | | | | |
|--------------|-------------|------|----|------------|
| Revision No. | Description | Date | By | Apprvd. By |
| | | | | |

SCALE AS SHOWN

DESIGNED BY PJS/MJK

DRAWN BY RRG

CHECKED BY PJS

RECORD DWGS.

APPROVED BY: *[Signature]*

DATE: 6/23/21

CITY ENGINEER
STOCKTON, CALIFORNIA

SHEET NO. **E1.0**

OF 51 SHEETS

PW1510

PROJECT NO.

F:\Projects\19128_C05_Stockton Soccer Complex Upgrades\Improvement Plans\19128-E1-Lighting Plan.dwg -- 06/08/21

5439.11C

EQUIPMENT LIST FOR AREAS SHOWN

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

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



Detention Basin Soccer Complex

Stockton, CA

| 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.

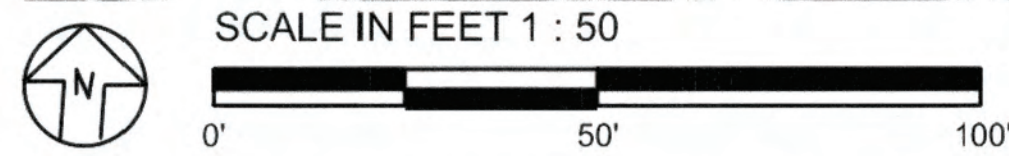
Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

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.



DATE SIGNED: 06/08/21



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

| | | | |
|---|--|--|--|
| | | STOCKTON SOCCER COMPLEX UPGRADES | |
| CIVIL ENGINEERING STRUCTURAL ENGINEERING LANDSCAPE ARCHITECTURE LAND SURVEYING | | ILLUMINATION SUMMARY-FIELD #6 | |
| DEPARTMENT OF PUBLIC WORKS CITY OF STOCKTON, CALIFORNIA | | SCALE AS SHOWN APPROVED BY: <i>[Signature]</i> SHEET NO. E2.1 | |
| DESIGNED BY PJS/MJK DATE: 6/23/21 OF 61 SHEETS | | DRAWN BY RRG <i>[Signature]</i> PW1510 | |
| CHECKED BY PJS CITY ENGINEER STOCKTON, CALIFORNIA | | RECORD DWGS. PROJECT NO. | |

5439.136

Detention Basin Soccer Complex

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 $\pm 3\%$ nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

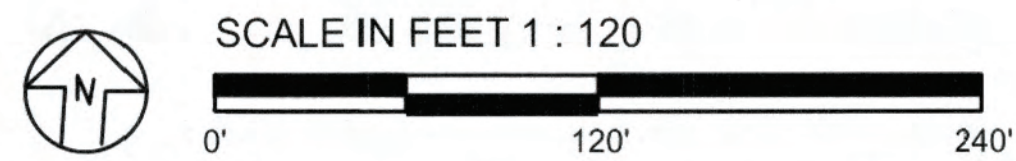
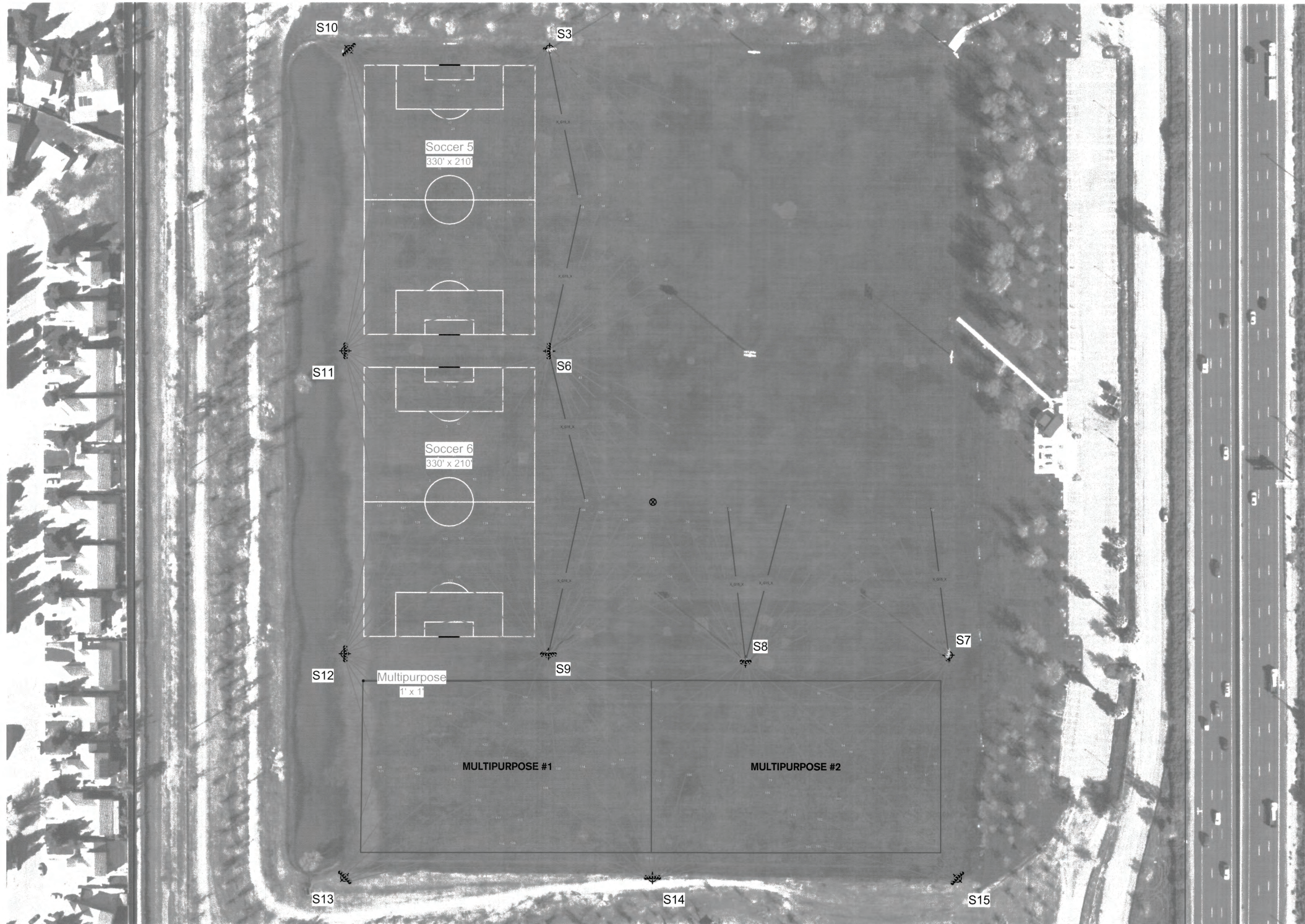
EQUIPMENT LIST FOR AREAS SHOWN

| QTY | LOCATION | Pole | | Luminaires | | |
|-----|-----------------|------|-----------------|-----------------|--------------------------|------------|
| | | SIZE | GRADE ELEVATION | MOUNTING HEIGHT | LUMINAIRE TYPE | QTY / POLE |
| 1 | S3 | 80' | - | 80' | TLC-LED-1200 LSG 15MZ | 6 8 |
| 1 | S6 | 80' | - | 80' | TLC-LED-1200 LSG 15MZ | 12* 16 |
| 1 | S7 | 80' | - | 80' | TLC-LED-1200 LSG 15MZ | 5 8 |
| 1 | S8 | 80' | - | 80' | TLC-LED-1200 LSG 15MZ | 8* 16 |
| 1 | S9 | 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) | | | | | |
|--|---|-------------|-------------|-------------|-------------|-------------|
| | 208 (60) | 220 (60) | 240 (60) | 277 (60) | 347 (60) | 480 (60) |
| Single Phase Voltage | 208 (60) | 220 (60) | 240 (60) | 277 (60) | 347 (60) | 480 (60) |
| 1500 watt MZ | - | - | - | - | - | - |
| TLC-LED-1200 | - | - | - | - | - | - |



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



DATE SIGNED: 06/08/21

3428 Brookside Road Stockton, California 95210
209-945-2021 www.siegfriedeng.com T: 209-942-0214

- CIVIL ENGINEERING
- STRUCTURAL ENGINEERING
- LANDSCAPE ARCHITECTURE
- LAND SURVEYING

STOCKTON SOCCER COMPLEX UPGRADES

EQUIPMENT LAYOUT

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE AS SHOWN APPROVED BY: *[Signature]* SHEET NO. **E2.5**
 DESIGNED BY PJS/MJK DATE
 DRAWN BY RRG
 CHECKED BY PJS CITY ENGINEER
 RECORD DWGS. STOCKTON, CALIFORNIA PROJECT NO.

5439.176

| EQUIPMENT LIST FOR AREAS SHOWN | | | | | | | | | | |
|--------------------------------|---------------|------|-----------------|-----------------|----------------|------------|-----------|-------------|----|----|
| QTY | Pole | | | Luminaires | | | | | | |
| | LOCATION | SIZE | GRADE ELEVATION | MOUNTING HEIGHT | LUMINAIRE TYPE | QTY / POLE | THIS GRID | OTHER GRIDS | | |
| 1 | S3 | 80' | - | 80' | TLC-LED-1200 | 6 | 6 | 0 | 0 | 0 |
| | | | | | LSG 15M2 | 8 | 0 | 8 | 8 | 8 |
| 1 | S6 | 80' | - | 80' | TLC-LED-1200 | 12* | 12 | 0 | 0 | 0 |
| | | | | | LSG 15M2 | 16 | 0 | 16 | 16 | 16 |
| 1 | S7 | 80' | - | 80' | TLC-LED-1200 | 5 | 5 | 0 | 0 | 0 |
| | | | | | LSG 15M2 | 8 | 0 | 8 | 8 | 8 |
| 1 | S8 | 80' | - | 80' | TLC-LED-1200 | 8* | 8 | 0 | 0 | 0 |
| | | | | | LSG 15M2 | 16 | 0 | 16 | 16 | 16 |
| 1 | S9 | 80' | - | 80' | TLC-LED-1200 | 6/6* | 12 | 0 | 0 | 0 |
| | | | | | LSG 15M2 | 8 | 0 | 8 | 8 | 8 |
| 3 | S10, S13, S15 | 80' | - | 80' | TLC-LED-1200 | 6 | 6 | 0 | 0 | 0 |
| | | | | | LSG 15M2 | 8 | 0 | 8 | 8 | 8 |
| 3 | S11-S12, S14 | 80' | - | 80' | TLC-LED-1200 | 12 | 12 | 0 | 0 | 0 |
| | | | | | LSG 15M2 | 16 | 0 | 16 | 16 | 16 |
| 11 | TOTALS | | | | | 153 | 97 | 56 | | |

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



Detention Basin Soccer Complex 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 data sheet 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.



DATE SIGNED: 06/08/21

SCALE IN FEET 1 : 150
ENGINEERED DESIGN By: Vashon Alexander • File #195911C • 23-Apr-20

| | | | | | |
|---|-------------|---|----|---|--|
| 3428 Brookside Road Stockton, California 95219 209-943-2021 www.siegfriedeng.com Fax: 209-942-0214 | | ■ CIVIL ENGINEERING ■ ELECTRICAL ENGINEERING ■ LANDSCAPE ARCHITECTURE ■ LAND SURVEYING | | STOCKTON SOCCER COMPLEX UPGRADES | |
| | | | | ILLUMINATION SUMMARY | |
| Revision No. | Description | Date | By | Apprvd. By | DEPARTMENT OF PUBLIC WORKS CITY OF STOCKTON, CALIFORNIA SCALE AS SHOWN APPROVED BY: <i>[Signature]</i> DATE: <i>[Date]</i> SHEET NO. E2.6 |
| | | | | | DESIGNED BY: PJS/MJK |
| | | | | | DRAWN BY: RRG |
| | | | | | CHECKED BY: PJS CITY ENGINEER |
| | | | | | RECORD DWGS. STOCKTON, CALIFORNIA PROJECT NO. 5439.182 |

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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 |



DATE SIGNED: 06/08/21

| | | | | |
|--|--|---|--|--|
| | | STOCKTON SOCCER COMPLEX UPGRADES | | |
| | | CONTROL SYSTEM SUMMARY II | | |
| 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 <i>[Signature]</i> DATE 06/08/21 CITY ENGINEER STOCKTON, CALIFORNIA | SHEET NO. E2.8 OF 51 SHEETS PW1510 PROJECT NO. |

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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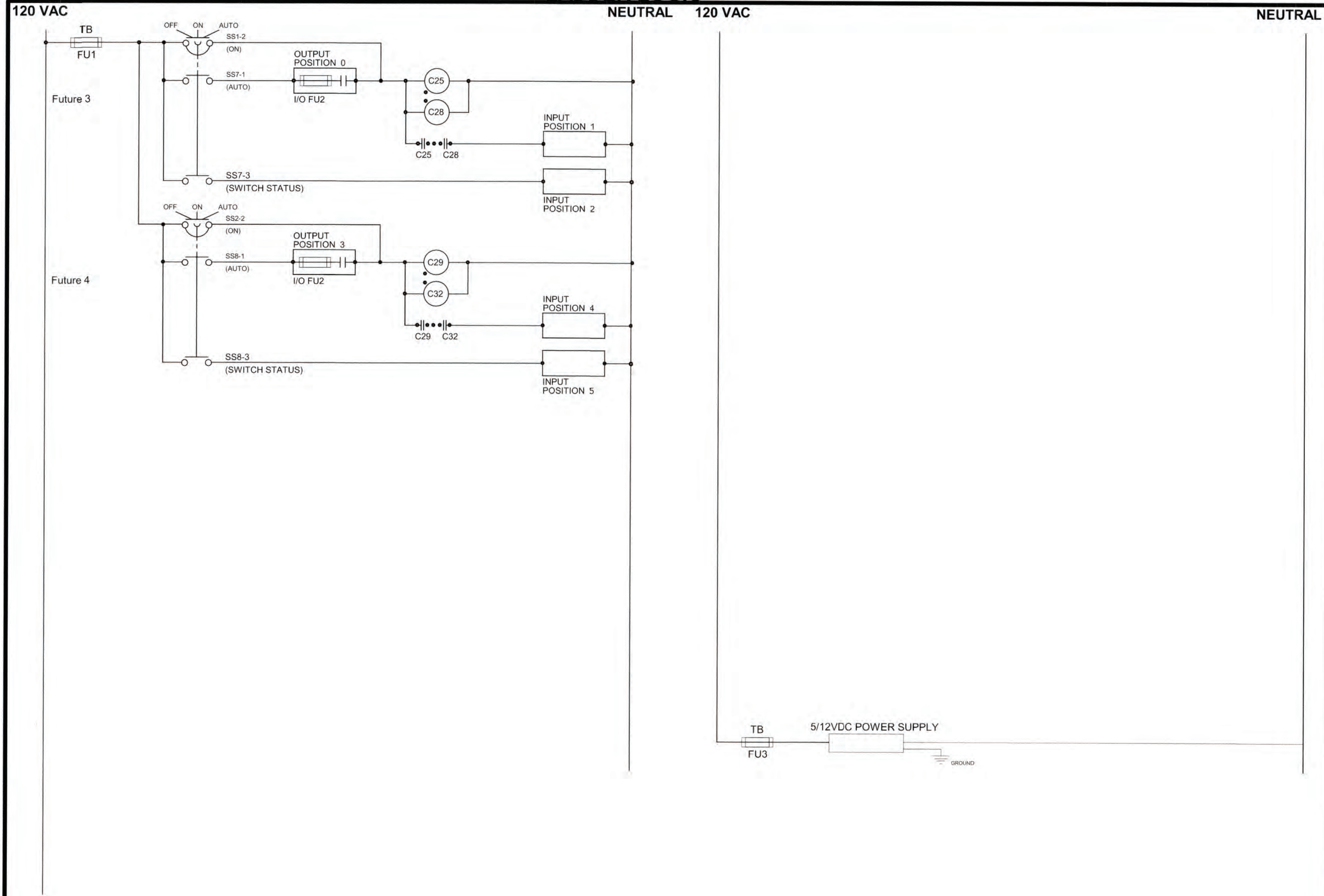


DATE SIGNED: 06/08/21

| | | | | |
|---|---------------|---|--|---|
| <p>SIEGFRIED</p> <small>3428 Brookside Road Stockton, California 95219 209-943-2021 www.siegfriedeng.com Fax: 209-942-0214</small> | | CIVIL ENGINEERING ELECTRICAL ENGINEERING MECHANICAL ENGINEERING LANDSCAPE ARCHITECTURE LAND SURVEYING | | |
| | | STOCKTON SOCCER COMPLEX UPGRADES CONTROL SYSTEM SUMMARY IV | | |
| DEPARTMENT OF PUBLIC WORKS CITY OF STOCKTON, CALIFORNIA | | SCALE: AS SHOWN | APPROVED BY: <i>[Signature]</i> DATE: | SHEET NO.: E2.10 OF 51 SHEETS PW1510 |
| DESIGNED BY: PJS/MJK | DRAWN BY: RRG | CHECKED BY: PJS | CITY ENGINEER STOCKTON, CALIFORNIA | PROJECT NO. |
| REVISION No. Description Date By Apprv. By | | RECORD DWGS. | | |

5439.22C

LADDER LOGIC



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

Vantage Order: 0
 Drawing#: CG-123640-0
 Cabinet: 3

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

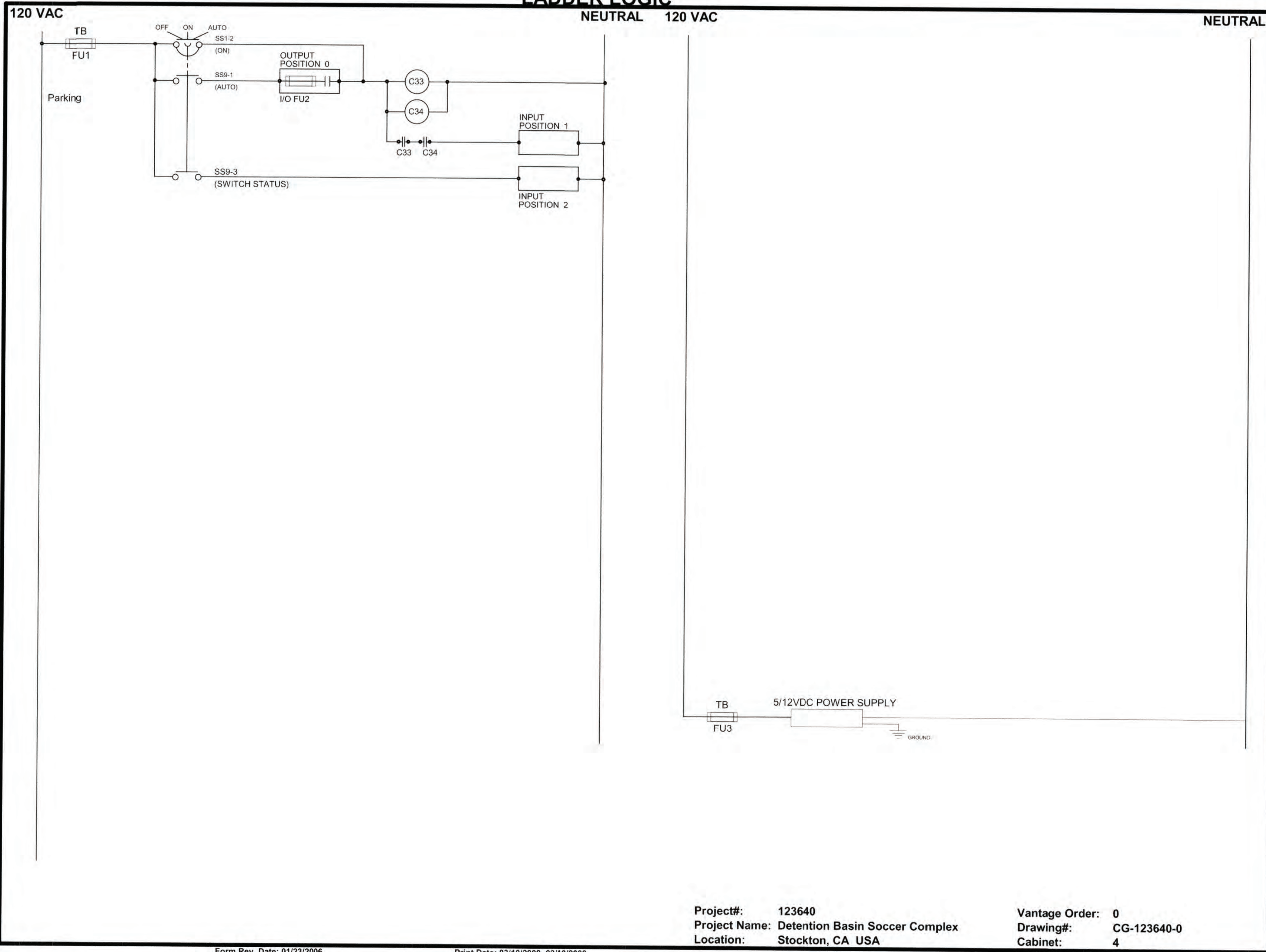
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DATE SIGNED: 06/08/21

| | | | | | | | | | |
|--|-------------|------|----|------------|--|----------|--------------|----------|--|
| | | | | | STOCKTON SOCCER COMPLEX UPGRADES LADDER LOGIC | | | | |
| DEPARTMENT OF PUBLIC WORKS CITY OF STOCKTON, CALIFORNIA | | | | | APPROVED BY: <i>[Signature]</i> DATE: 6/23/21 | | | | |
| Revision No. | Description | Date | By | Apprvd. By | SCALE | AS SHOWN | SHEET NO. | E2.13 | |
| | | | | | DESIGNED BY | PJSMJK | OF 51 SHEETS | PW1510 | |
| | | | | | DRAWN BY | RRG | PROJECT NO. | 5439.256 | |
| | | | | | CHECKED BY | PJS | | | |
| | | | | | RECORD DWGS. | | | | |

LADDER LOGIC



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

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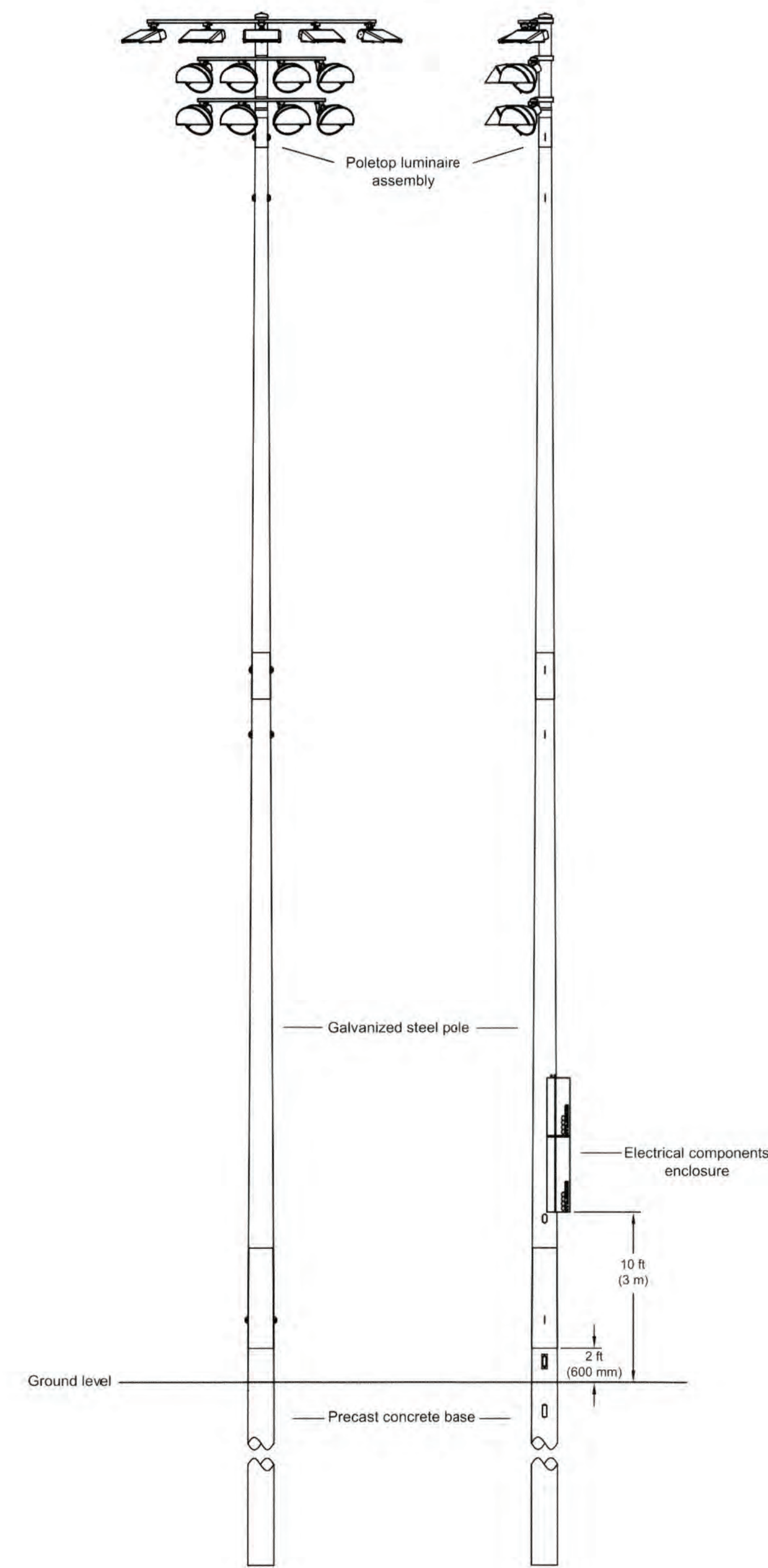
DATE SIGNED: 06/08/21

| | | | |
|-------------------------------------|----------------------|--|---------------------------|
| | | DEPARTMENT OF PUBLIC WORKS CITY OF STOCKTON, CALIFORNIA | |
| STOCKTON SOCCER COMPLEX UPGRADES | | LADDER LOGIC | |
| SCALE: AS SHOWN | DESIGNED BY: PJS/MJK | APPROVED BY: <i>[Signature]</i> DATE: 6/23/21 | SHEET NO. E2.14 |
| DRAWN BY: RRG | CHECKED BY: PJS | CITY ENGINEER STOCKTON, CALIFORNIA | OF 51 SHEETS PW1510 |
| REVISION NO. | DESCRIPTION | DATE | PROJECT NO. |

5479.266

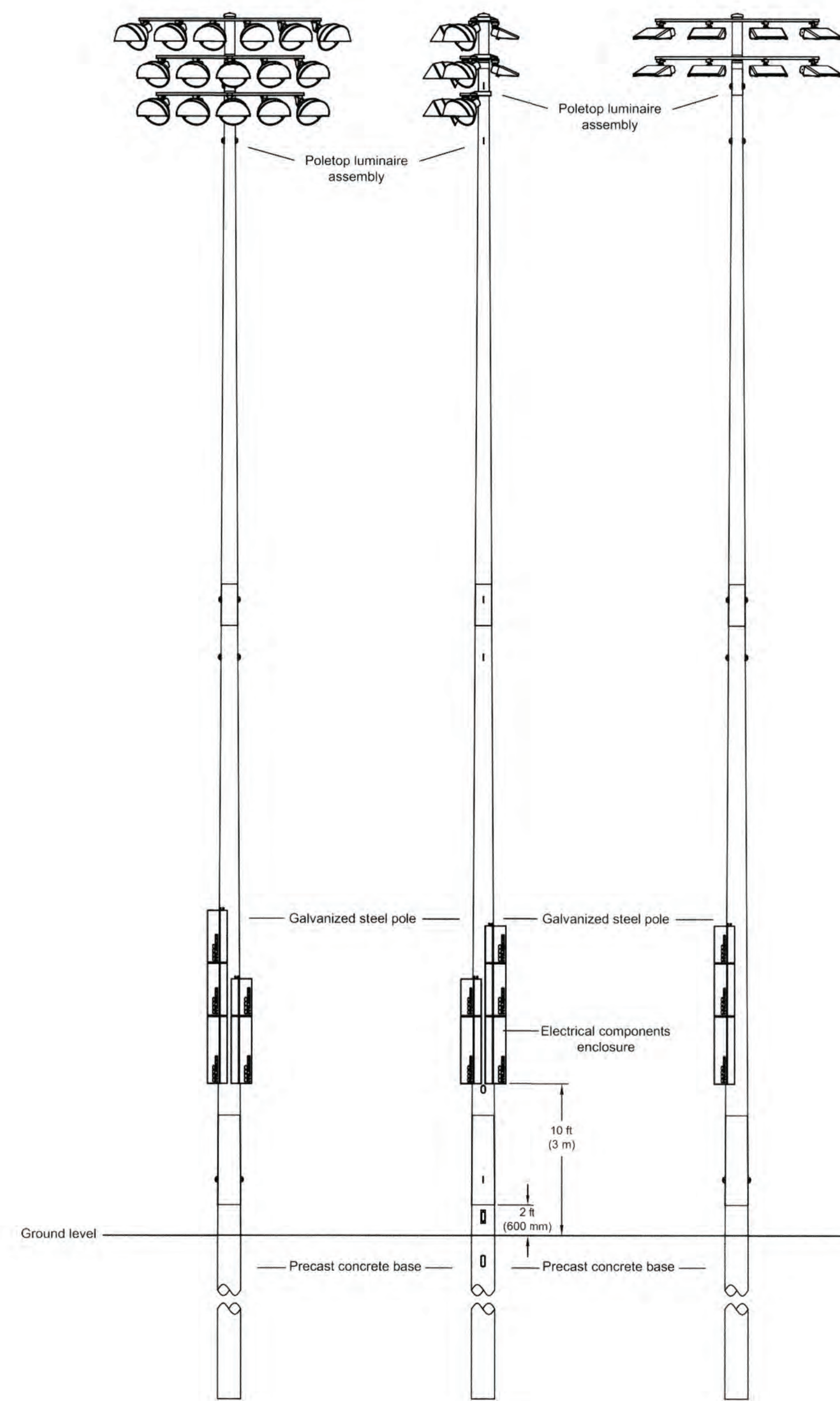
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Please refer to the notes on the drawing for details. The drawings are for informational purposes only. The City of Stockton is not responsible for the accuracy of the information provided. The drawings are subject to change without notice.



POLE(S): S7
 Lighting 80FT Light-Structure System™ pole
 TLC for LED™ luminaires
 (8) 1500W Lighting Green Generation
 (5) TLC-LED-1200

Please refer to the notes on the drawing for details. The drawings are for informational purposes only. The City of Stockton is not responsible for the accuracy of the information provided. The drawings are subject to change without notice.



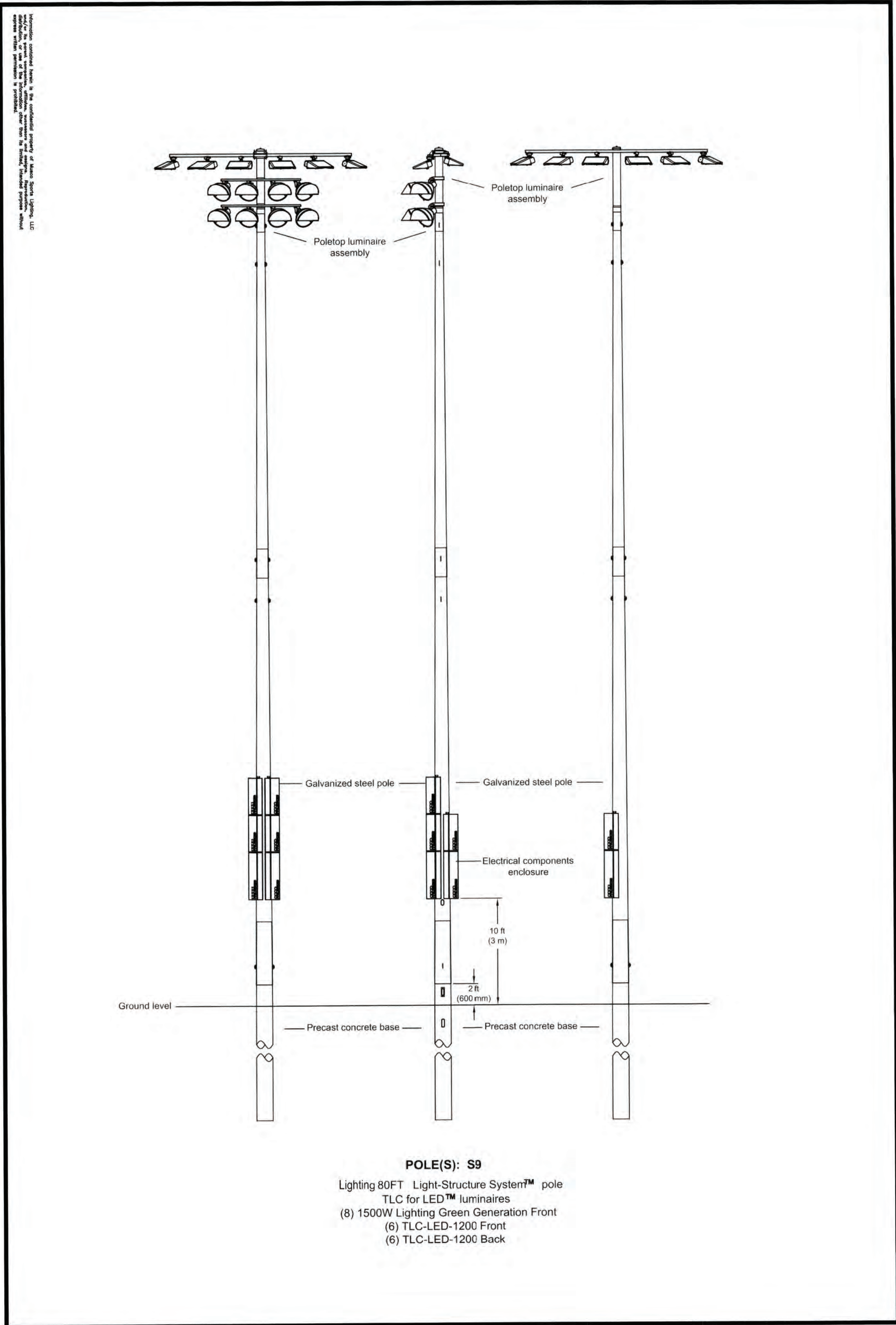
POLE(S): S8
 Lighting 80FT Light-Structure System™ pole
 TLC for LED™ luminaires
 (16) 1500W Lighting Green Generation Front
 (8) TLC-LED-1200 Back



DATE SIGNED: 06/08/21

| | | | | | | | |
|--|-------------|---|----|---|----------------------|---------------------------------------|--------------|
| <p>SIEGFRIED CIVIL ENGINEERING STRUCTURAL ENGINEERING LANDSCAPE ARCHITECTURE LAND SURVEYING</p> <p>3028 Brookside Road Stockton, California 95210 209-948-2021 www.siegfried.com Fax: 209-942-0214</p> | | <p>STOCKTON SOCCER COMPLEX UPGRADES</p> <p>POLE CONFIGURATION-S7 & S8</p> | | | | | |
| | | | | <p>DEPARTMENT OF PUBLIC WORKS CITY OF STOCKTON, CALIFORNIA</p> | | | |
| Revision No. | Description | Date | By | Apprvd. By | SCALE AS SHOWN | APPROVED BY: <i>[Signature]</i> | SHEET NO. |
| | | | | | DESIGNED BY: PJS/MJK | DATE | E2.16 |
| | | | | | DRAWN BY: RRG | | OF 51 SHEETS |
| | | | | | CHECKED BY: PJS | | PW1510 |
| | | | | | RECORD DWGS. | CITY ENGINEER STOCKTON, CALIFORNIA | PROJECT NO. |

5439.286



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

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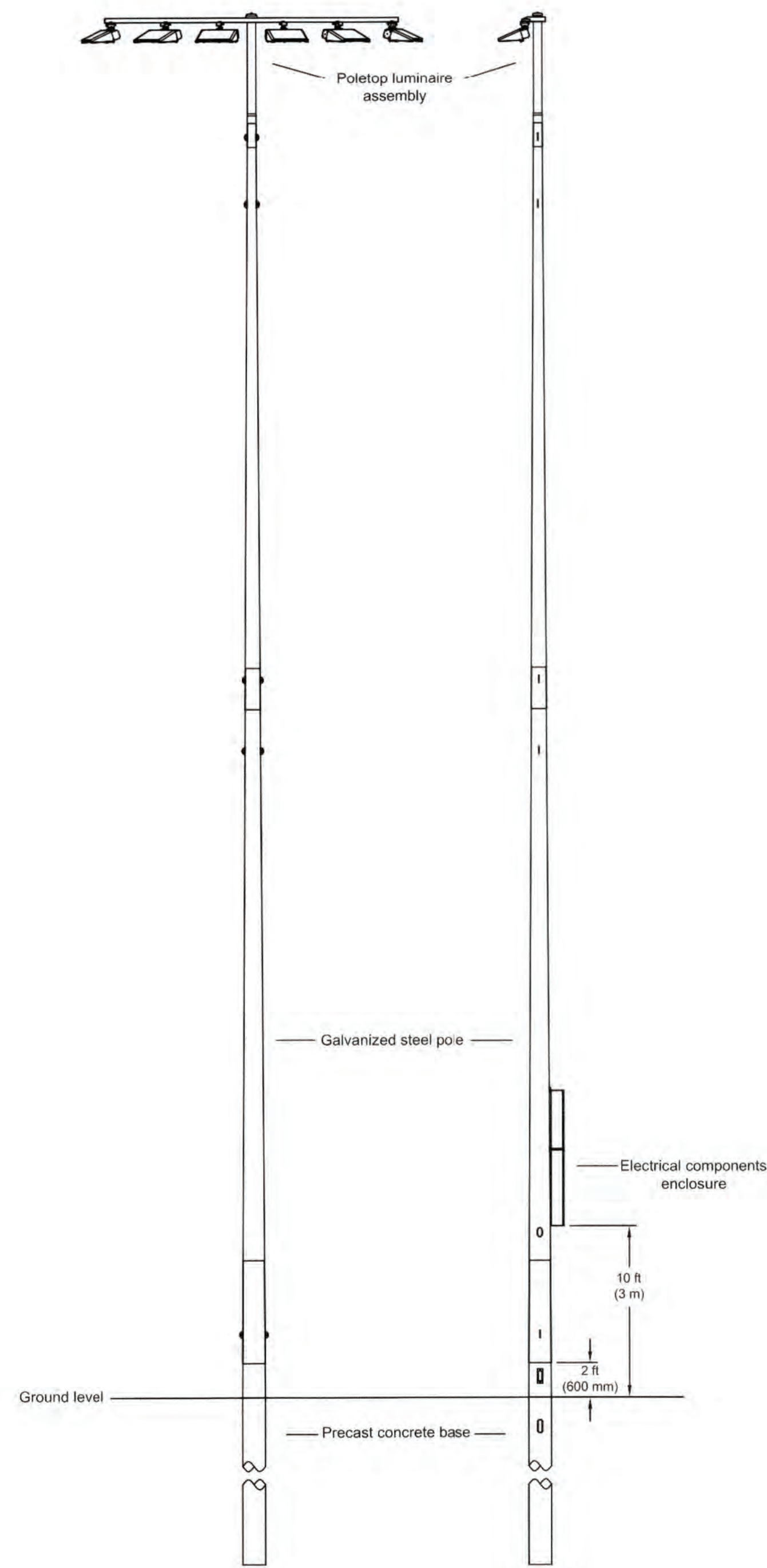


DATE SIGNED: 06/08/21

| | | | | | | | | | |
|--|-------------|------|----|------------|---|----------|---------------------------------|--------------|--|
| | | | | | STOCKTON SOCCER COMPLEX UPGRADES POLE CONFIGURATION-S9 | | | | |
| <small>3428 Brookside Road Stockton, California 95210 209-943-2021 www.siegfriedeng.com Fax: 209-942-0214</small> | | | | | <small>DEPARTMENT OF PUBLIC WORKS CITY OF STOCKTON, CALIFORNIA</small> | | | | |
| Revision No. | Description | Date | By | Apprvd. By | SCALE | AS SHOWN | APPROVED BY: <i>[Signature]</i> | SHEET NO. | |
| | | | | | DESIGNED BY | PJS/MLK | DATE | E2.17 | |
| | | | | | DRAWN BY | RRG | | OF 81 SHEETS | |
| | | | | | CHECKED BY | PJS | <i>[Signature]</i> | PW1510 | |
| | | | | | RECORD DWGS. | | CITY ENGINEER | PROJECT NO. | |
| | | | | | STOCKTON, CALIFORNIA 5439.292 | | | | |

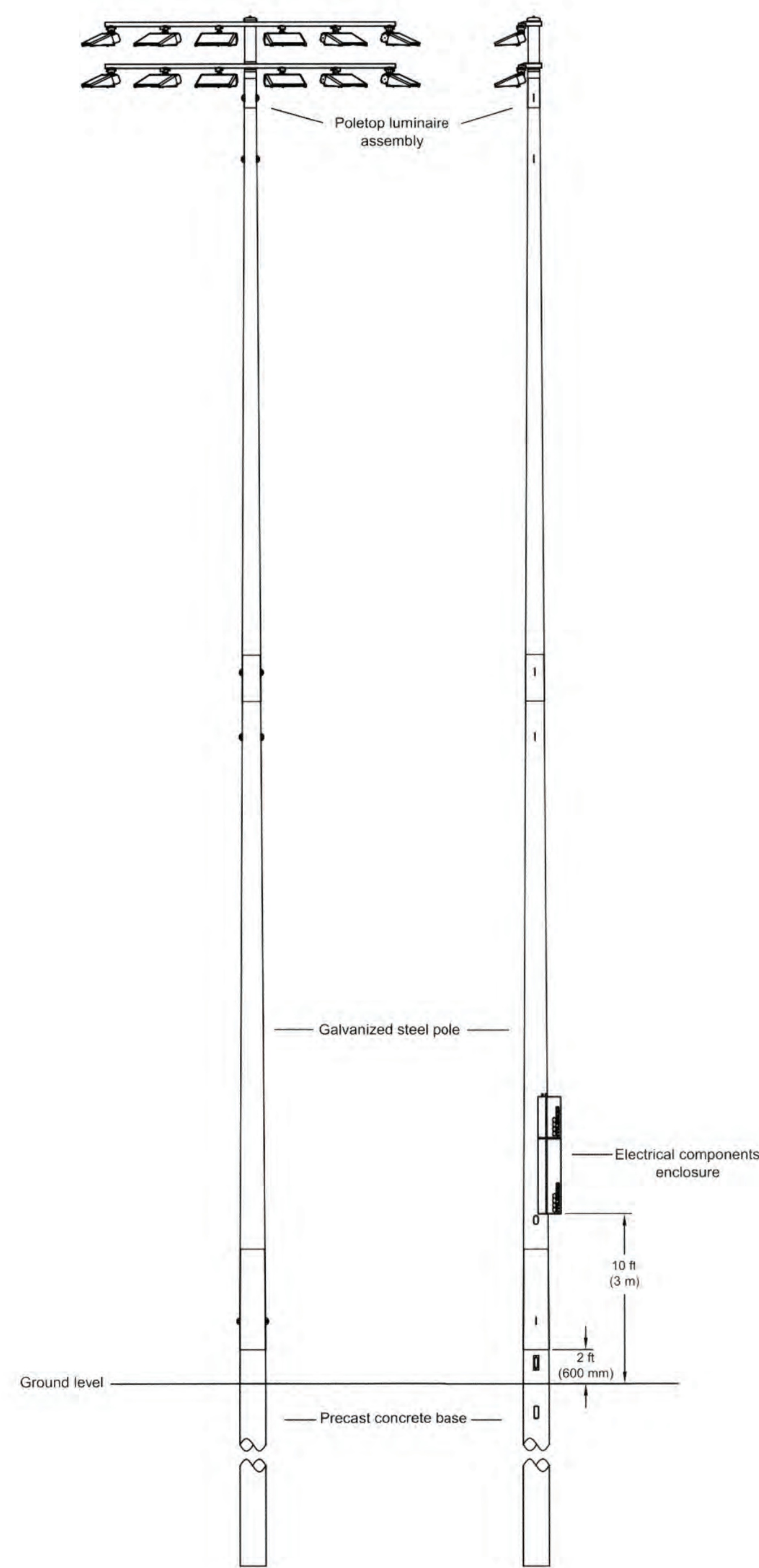
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PLEASE CHECK ALL DIMENSIONS, TOLERANCES, AND MATERIALS AGAINST THE LATEST EDITIONS OF THE CALIFORNIA BUILDING CODE, CALIFORNIA ELECTRICAL CODE, AND CALIFORNIA MECHANICAL CODE. ALL DIMENSIONS ARE IN FEET AND INCHES UNLESS OTHERWISE NOTED. DIMENSIONS IN PARENTHESES ARE IN METERS. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED. ALL DIMENSIONS ARE TO CENTERLINE UNLESS OTHERWISE NOTED. ALL DIMENSIONS ARE TO THE CENTERLINE OF THE POLE UNLESS OTHERWISE NOTED. ALL DIMENSIONS ARE TO THE CENTERLINE OF THE LUMINAIRE UNLESS OTHERWISE NOTED. ALL DIMENSIONS ARE TO THE CENTERLINE OF THE ELECTRICAL COMPONENTS ENCLOSURE UNLESS OTHERWISE NOTED. ALL DIMENSIONS ARE TO THE CENTERLINE OF THE PRECAST CONCRETE BASE UNLESS OTHERWISE NOTED. ALL DIMENSIONS ARE TO THE CENTERLINE OF THE POLE UNLESS OTHERWISE NOTED. ALL DIMENSIONS ARE TO THE CENTERLINE OF THE LUMINAIRE UNLESS OTHERWISE NOTED. ALL DIMENSIONS ARE TO THE CENTERLINE OF THE ELECTRICAL COMPONENTS ENCLOSURE UNLESS OTHERWISE NOTED. ALL DIMENSIONS ARE TO THE CENTERLINE OF THE PRECAST CONCRETE BASE UNLESS OTHERWISE NOTED.



POLE(S): S10, S13, S15
 Lighting 80FT Light-Structure System™ pole
 TLC for LED™ luminaires
 (6) TLC-LED-1200

PLEASE CHECK ALL DIMENSIONS, TOLERANCES, AND MATERIALS AGAINST THE LATEST EDITIONS OF THE CALIFORNIA BUILDING CODE, CALIFORNIA ELECTRICAL CODE, AND CALIFORNIA MECHANICAL CODE. ALL DIMENSIONS ARE IN FEET AND INCHES UNLESS OTHERWISE NOTED. DIMENSIONS IN PARENTHESES ARE IN METERS. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED. ALL DIMENSIONS ARE TO CENTERLINE UNLESS OTHERWISE NOTED. ALL DIMENSIONS ARE TO THE CENTERLINE OF THE POLE UNLESS OTHERWISE NOTED. ALL DIMENSIONS ARE TO THE CENTERLINE OF THE LUMINAIRE UNLESS OTHERWISE NOTED. ALL DIMENSIONS ARE TO THE CENTERLINE OF THE ELECTRICAL COMPONENTS ENCLOSURE UNLESS OTHERWISE NOTED. ALL DIMENSIONS ARE TO THE CENTERLINE OF THE PRECAST CONCRETE BASE UNLESS OTHERWISE NOTED.



POLE(S): S11, S12, S14
 Lighting 80FT Light-Structure System™ pole
 TLC for LED™ luminaires
 (12) TLC-LED-1200



DATE SIGNED: 06/08/21

| | | | |
|---|--|---|--|
| | | <ul style="list-style-type: none"> • CIVIL ENGINEERING • STRUCTURAL ENGINEERING • LANDSCAPE ARCHITECTURE • LAND SURVEYING | |
| 3429 Brookside Road Stockton, California 95219 209-943-0021 www.siegfriedeng.com Fax: 209-942-0214 | | STOCKTON SOCCER COMPLEX UPGRADES POLE CONFIGURATION-S10 THRU S15 | |
| DEPARTMENT OF PUBLIC WORKS CITY OF STOCKTON, CALIFORNIA | | SHEET NO. E2.18 OF 51 SHEETS PW1510 PROJECT NO. | |
| SCALE AS SHOWN | APPROVED BY: <i>[Signature]</i> DATE: | APPROVED BY: <i>[Signature]</i> DATE: | |
| DESIGNED BY: PJS/MJK | DRAWN BY: RRG | CHECKED BY: PJS CITY ENGINEER STOCKTON, CALIFORNIA | |
| CHECKED BY: PJS | RECORD DWGS. | PROJECT NO. | |

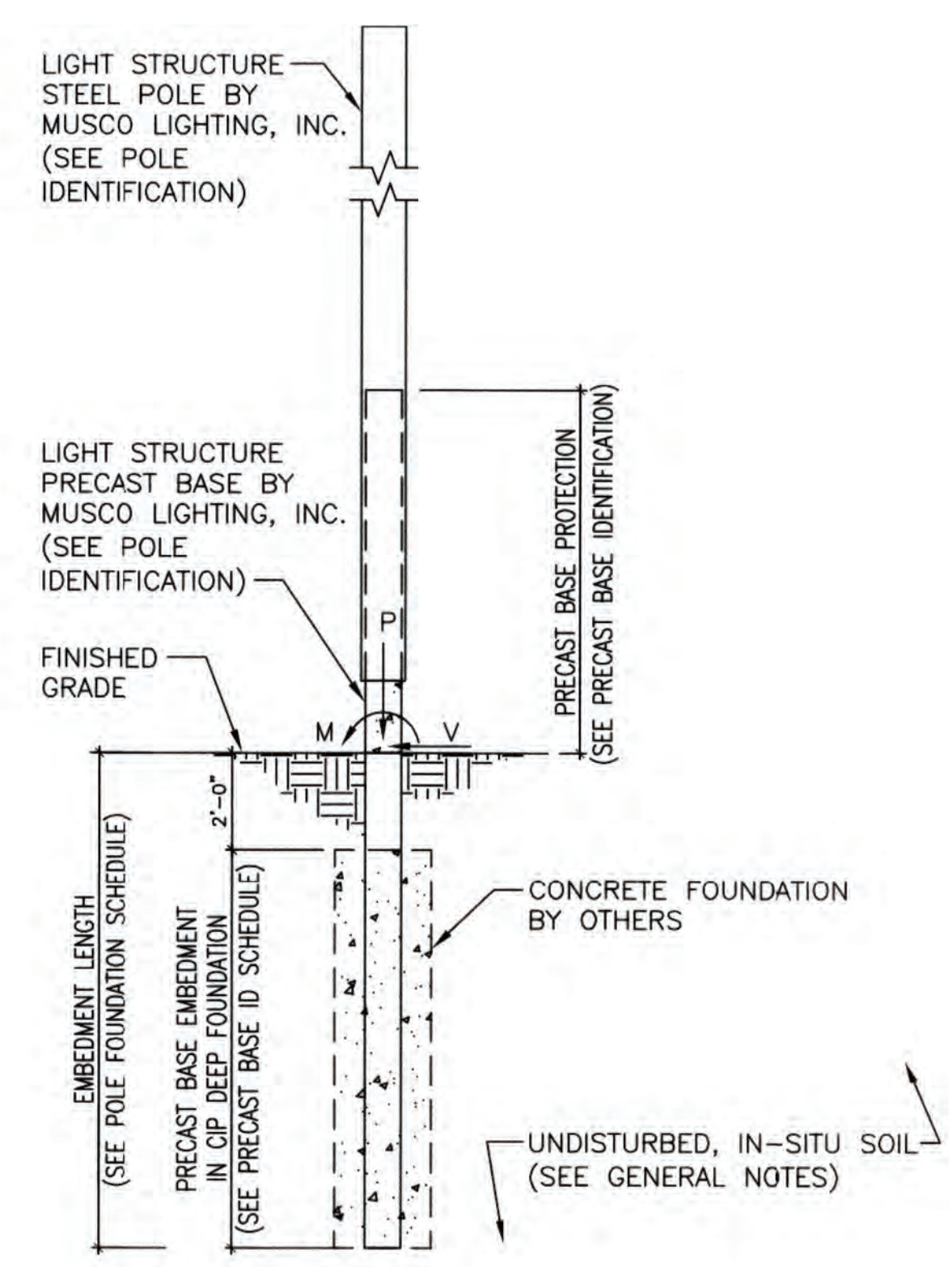
5439.30C

| 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 |

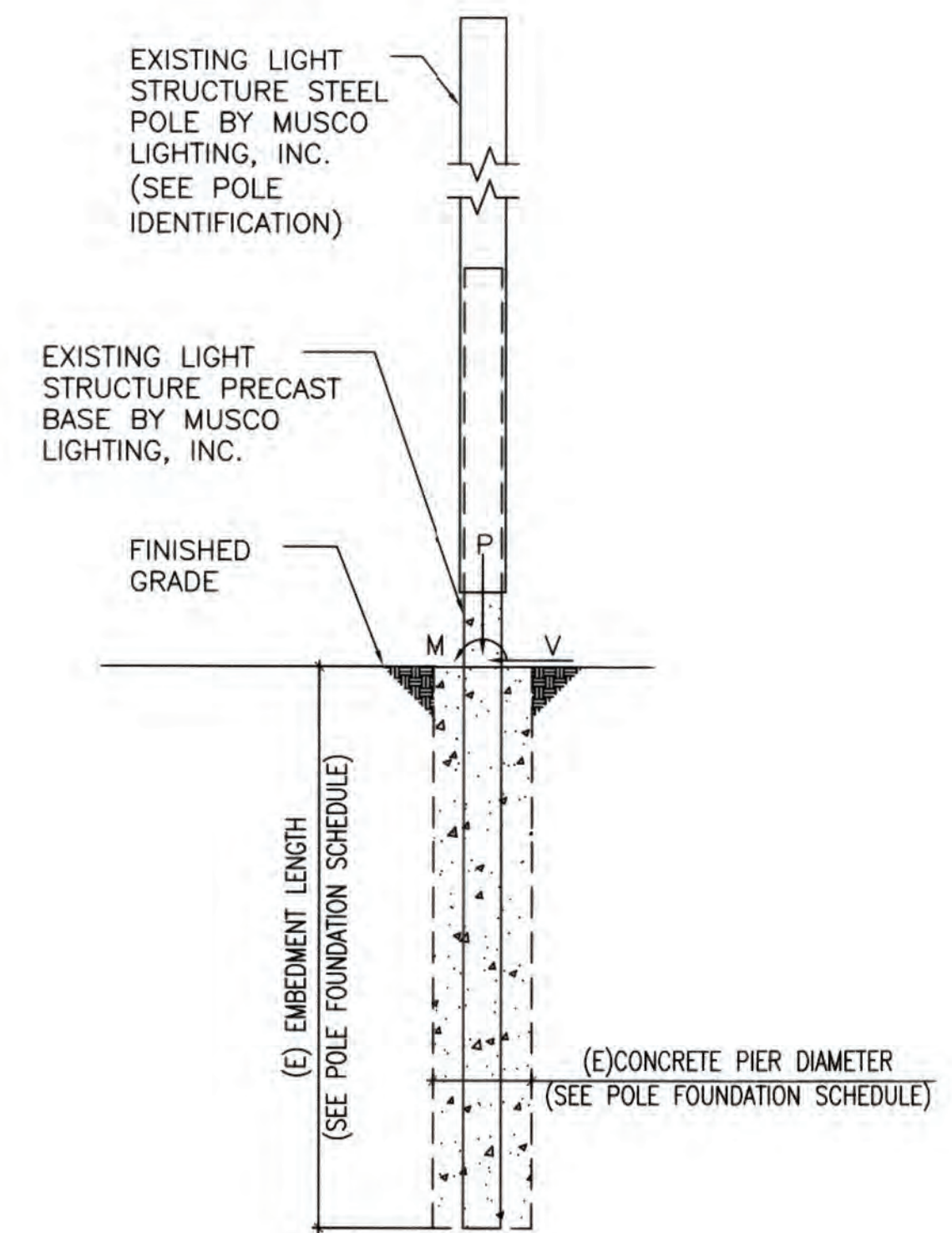
LED1200 FIXTURE: EPA = 1.8 SQ-FT MAX & WEIGHT = 45 LBS (FIXTURE ALONE), PER MUSCO LIGHTING, INC.

| 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.

F:\Projects\19128_CSS Stockton Soccer Complex Upgrade\Plans\19128-E2-20-LIGHTING PHOTOGRAPHICS.dwg --- 06/08/21



KNA STRUCTURAL ENGINEERS
 9931 MUIRLANDS BLVD.
 IRVINE CA, 92618
 KNA No. 363.625

| | | | |
|---|----------------------|---|------------------------|
| CIVIL ENGINEERING STRUCTURAL ENGINEERING LANDSCAPE ARCHITECTURE LAND SURVEYING | | STOCKTON SOCCER COMPLEX UPGRADES POLE SUPPORT FOUNDATION | |
| DEPARTMENT OF PUBLIC WORKS CITY OF STOCKTON, CALIFORNIA | | APPROVED BY: <i>[Signature]</i> DATE: | |
| SCALE: AS SHOWN | DESIGNED BY: PJS/MJK | CITY ENGINEER: <i>[Signature]</i> | SHEET NO. E2.20 |
| DRAWN BY: RRG | CHECKED BY: PJS | PROJECT NO. PW1510 | OF 51 SHEETS |
| RECORD DWGS. | | STOCKTON, CALIFORNIA | |

5439.326

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 | QTY | SIZE (AMPS) |
|------------------------------------|------------------|-----|-------------|
| 1. Control and Monitoring Cabinet | 24 X 72 | 16 | 30 AMP |
| 2. Control and Monitoring Cabinet | 24 X 48 | 4 | |
| Total Contactors | | | |
| 16 | | | |
| 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**
- 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.
 - 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.
 - 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.
 - If the lighting system will be fed from more than one distribution location, additional equipment may be required. Contact your Lighting sales representative.
 - A single control circuit must be supplied per control system.
 - 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.

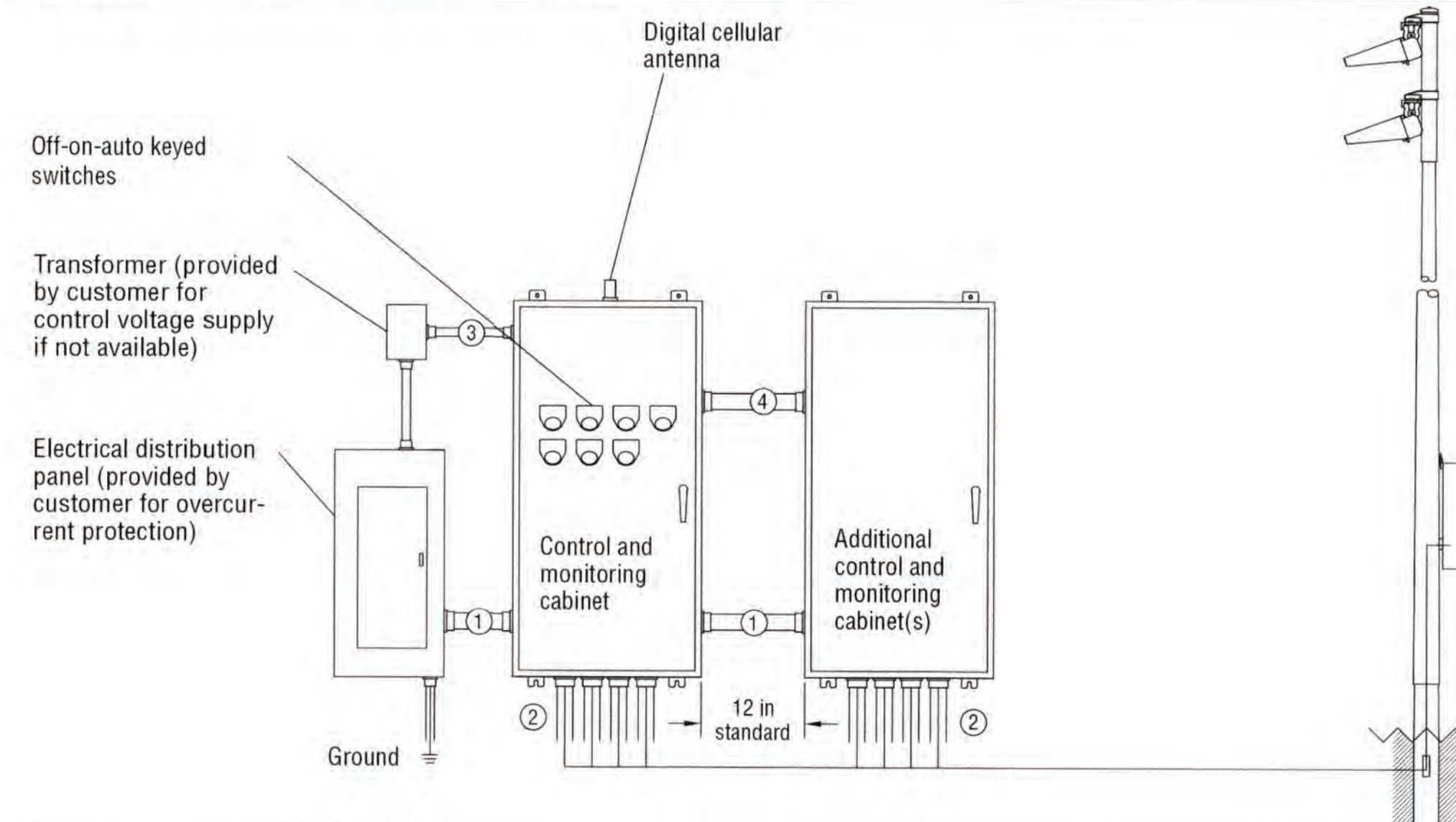
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© 1999, 2020 Lighting Sports Lighting, LLC
Form: T-5030-1

Control System Summary

Stockton Soccer Complex / 195911 - 195911C
Service #1 - Page 2 of 4

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 |

- * Notes:
- See voltage and phasing per the notes on cover page.
 - Calculate per load and voltage drop.
 - All conduit diameters should be per code unless otherwise specified to allow for connector size.
 - Equipment grounding conductor and any splices must be insulated.
 - Refer to control and monitoring system installation instructions for more details on equipment information and the installation requirements.
 - 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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R60-101-00_A



DATE SIGNED: 06/08/21

| | | | |
|--|--|---|-------------------------|
| | | STOCKTON SOCCER COMPLEX UPGRADES | |
| 3428 Brookside Road Stockton, California 95219 209-948-2021 www.siegfriedeng.com Fax 209-940-0214 | | CONTROL SYSTEM SUMMARY | |
| DEPARTMENT OF PUBLIC WORKS CITY OF STOCKTON, CALIFORNIA | APPROVED BY: <i>[Signature]</i> DATE: 6/23/21 | SCALE: AS SHOWN | SHEET NO.: E2.23 |
| DESIGNED BY: PJS/MLK | CHECKED BY: PJS | DRAWN BY: RRG | OF 51 SHEETS |
| RECORD DWGS. | CITY ENGINEER STOCKTON, CALIFORNIA | PW1510 | PROJECT NO. |

5439.33C

Control System Summary

Stockton Soccer Complex / 195911 - 195911C
Service #1 - Page 3 of 4

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

Stockton Soccer Complex / 195911 - 195911C
Service #1 - Page 4 of 4

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 | C1 |
| | | | S6 | C2 |
| | | | S10 | C3 |
| | | | S11 | C4 |
| Zone 5 | 2 | Soccer 6 | S6 | C5 |
| | | | S9 | C6 |
| | | | S11 | C7 |
| | | | S12 | C8 |
| Zone 6 | 3 | Multipurpose 1 | S9 | C9 |
| | | | S12 | C10 |
| | | | S13 | C11 |
| | | | S14 | C12 |
| Zone 7 | 4 | Multipurpose 2 | S7 | C13 |
| | | | S8 | C14 |
| | | | S14 | C15 |
| | | | S15 | C16 |

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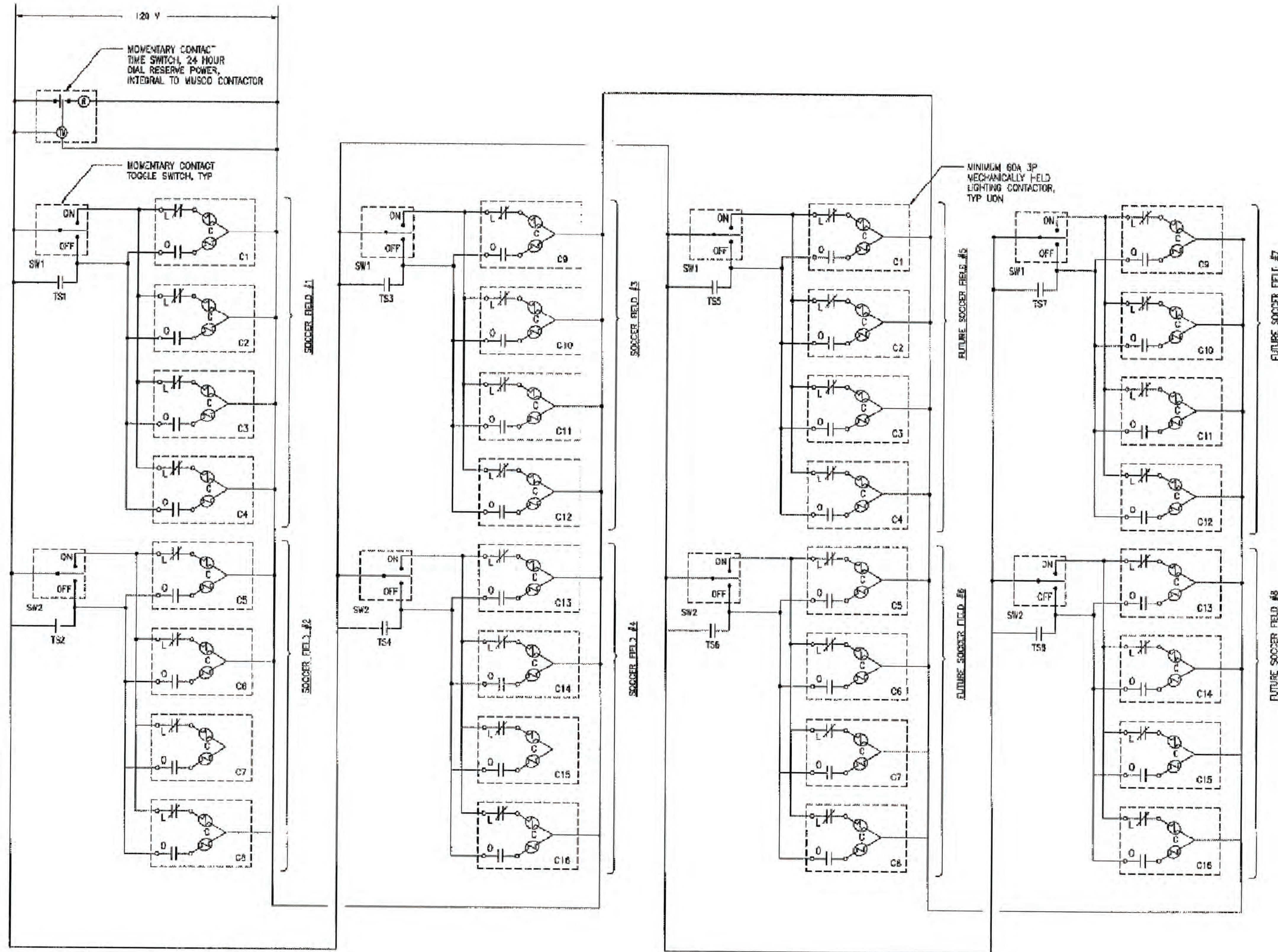
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DATE SIGNED: 06/08/21

| | | | | | |
|--|-------------|---|----|---|--|
| | | CIVIL ENGINEERING STRUCTURAL ENGINEERING LANDSCAPE ARCHITECTURE LAND SURVEYING | | STOCKTON SOCCER COMPLEX UPGRADES | |
| | | | | CONTROL SYSTEM SUMMARY | |
| DEPARTMENT OF PUBLIC WORKS CITY OF STOCKTON, CALIFORNIA | | | | SHEET NO. E2.22 OF 81 SHEETS FW1510 PROJECT NO. | |
| Revision No. | Description | Date | By | Apprvd. By | SCALE AS SHOWN |
| | | | | | APPROVED BY: <i>[Signature]</i> DATE: 6/23/21 |
| | | | | | DRAWN BY: RRG |
| | | | | | CHECKED BY: PJS CITY ENGINEER STOCKTON, CALIFORNIA |
| | | | | | RECORD DWGS. |

5479.346



SPORTS FIELD LIGHTING AND POLE SCHEDULE

| POLE | FIELD | MOUNTING HEIGHT | LUMINAIRES | | ELECTRICAL LOAD, KVA |
|------|---------|-----------------|-------------------|-----------|----------------------|
| | | | QUANTITY PER POLE | LAMP TYPE | |
| 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 X 1.6 KVA FIELD FIXTURE = 205 KVA

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

LIGHTING CONTINUOUS LOAD = 416 KVA X 1.25 = 519 KVA

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

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

CONNECTED @ 277/480V, 3Ø = 858 A

DEMAND LIGHTING (634 KVA) = 653 A

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

SUBTOTAL = 416 KVA

TOTAL = 713 KVA

1 AS-BUILT SPORTS FIELD LIGHTING CONTROL DIAGRAM NOT TO SCALE



DATE SIGNED: 06/08/21



Know what's below. Call before you dig.

3426 Brookside Road Stockton, California 95219
209-943-0211 www.siegfriedeng.com Fax: 209-942-0214

STOCKTON SOCCER COMPLEX UPGRADES

ELECTRICAL DETAILS

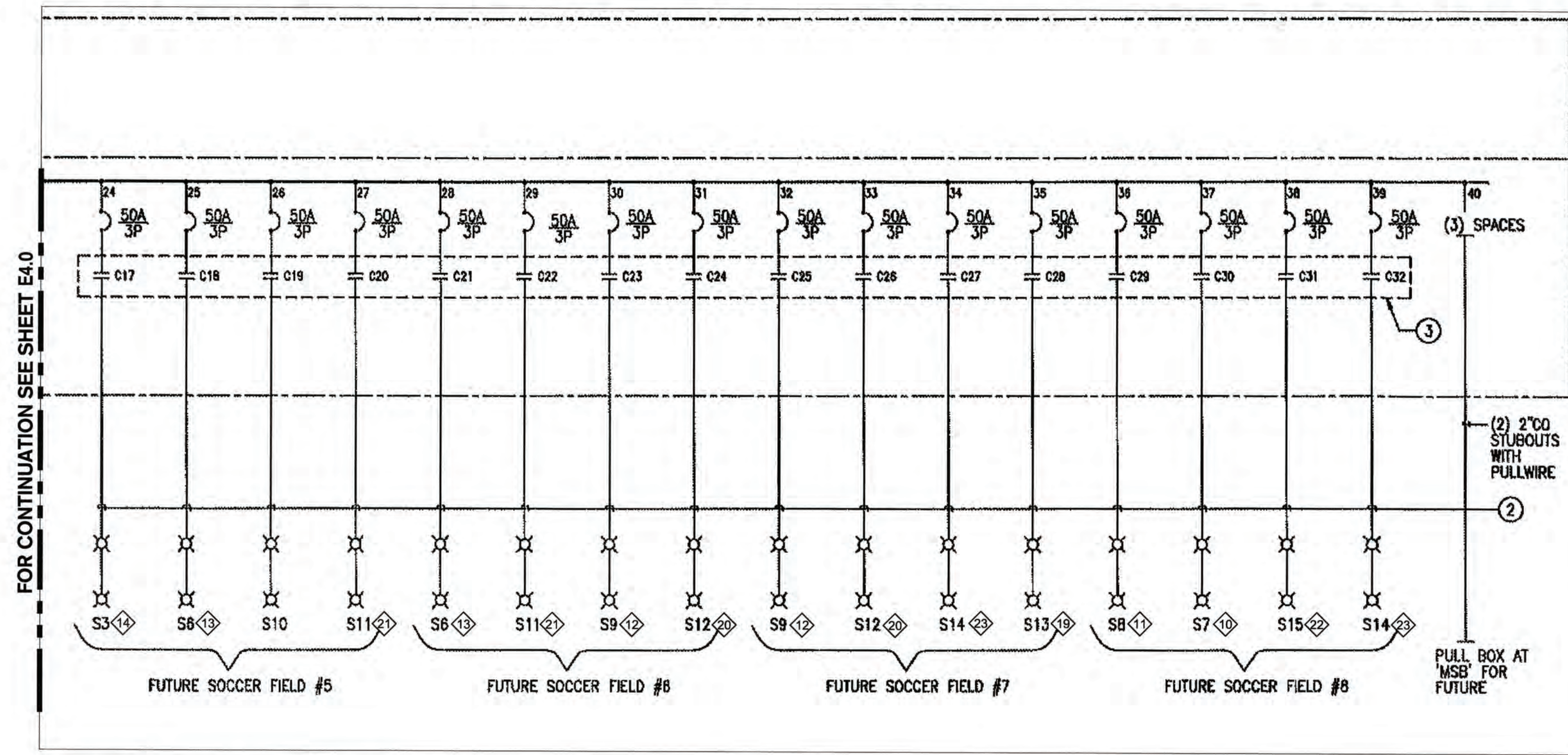
DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE: AS SHOWN APPROVED BY: *[Signature]* DATE: 6/23/21 SHEET NO. **E3.1**

DESIGNED BY: PJS/MLK DATE: DRAWN BY: RRG CHECKED BY: PJS CITY ENGINEER STOCKTON, CALIFORNIA PROJECT NO. PW1510

RECORD DWGS.

5439.366



| 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 |
| 8 | S4 (FIELD 1, 3) | 2" | 6 #6 | #6 |
| 9 | S5 (FIELD 1, 2, 3, 4) | 2" | 6 #6 | #6 |
| 10 | S7 (FIELD 3) | 2" | 6 #6 | #6 |
| 11 | S8 (FIELD 3, 4) | 2" | 6 #6 | #6 |
| 12 | S9 (FIELD 4) | 2" | 6 #6 | #6 |
| 13 | S6 (FIELD 2, 4) | 2" | 6 #6 | #6 |
| 14 | S3 (FIELD 2, 1) | 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 | #6 |
| 21 | S11 (FIELD 7, 6, 5) | 2" | 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 |

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



DATE SIGNED: 06/08/21

3428 Brookside Road Stockton, California 95219
209-943-2021 www.siegfriedeng.com Fax 209-943-0214

STOCKTON SOCCER COMPLEX UPGRADES

ONE-LINE DIAGRAM

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

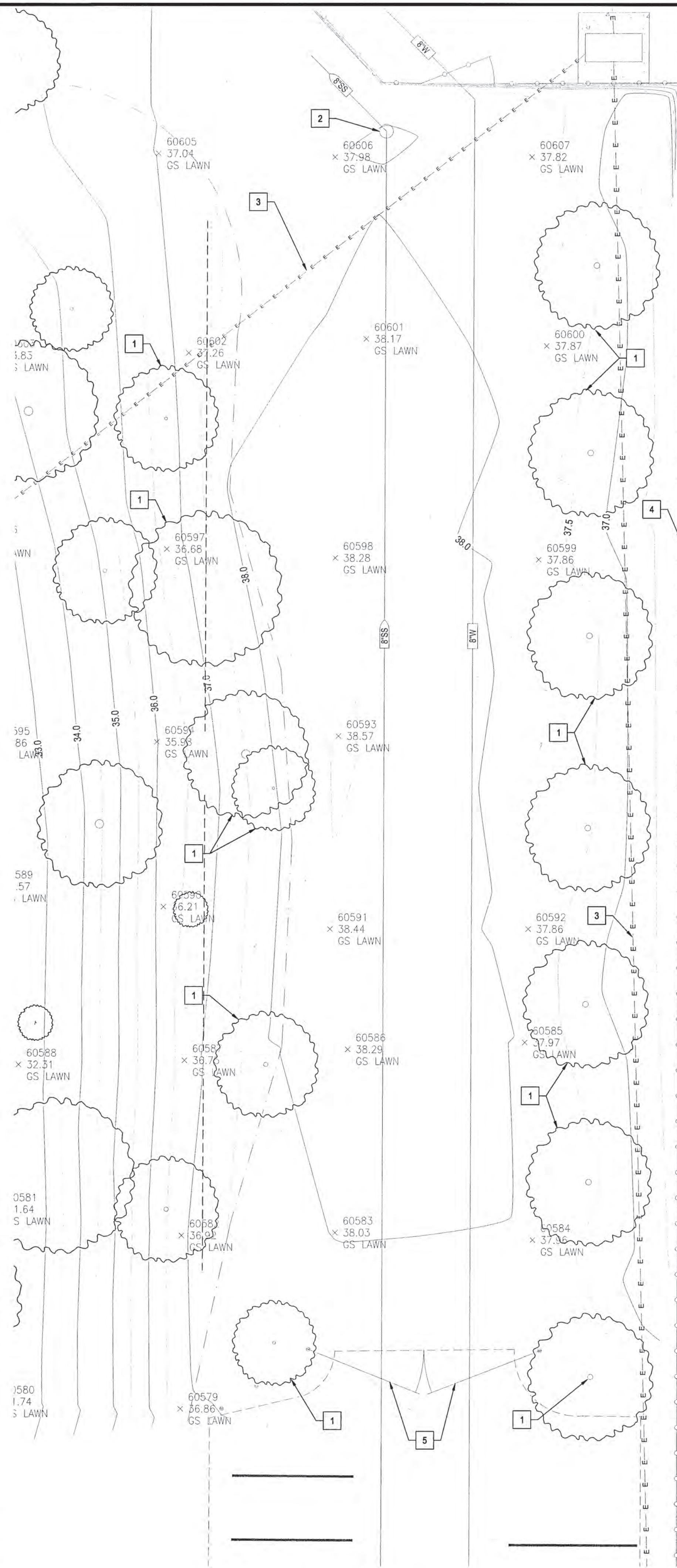
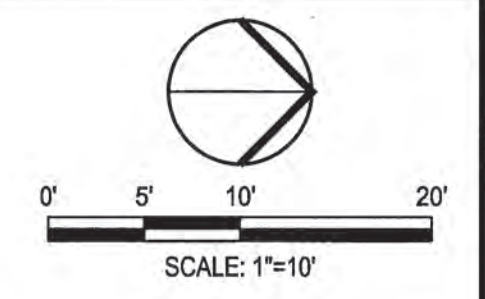
| | | | | |
|--------------|-------------|------|----|------------|
| Revision No. | Description | Date | By | Apprvd. By |
| | | | | |
| | | | | |
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| | | | | |
|--------------|----------|--------------|------|--------------|
| SCALE | AS SHOWN | APPROVED BY: | DATE | SHEET NO. |
| DESIGNED BY | PJS/MJK | | | E4.1 |
| DRAWN BY | RRG | | | OF 51 SHEETS |
| CHECKED BY | PJS | | | PW1510 |
| RECORD DWGS. | | | | PROJECT NO. |



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5439.382



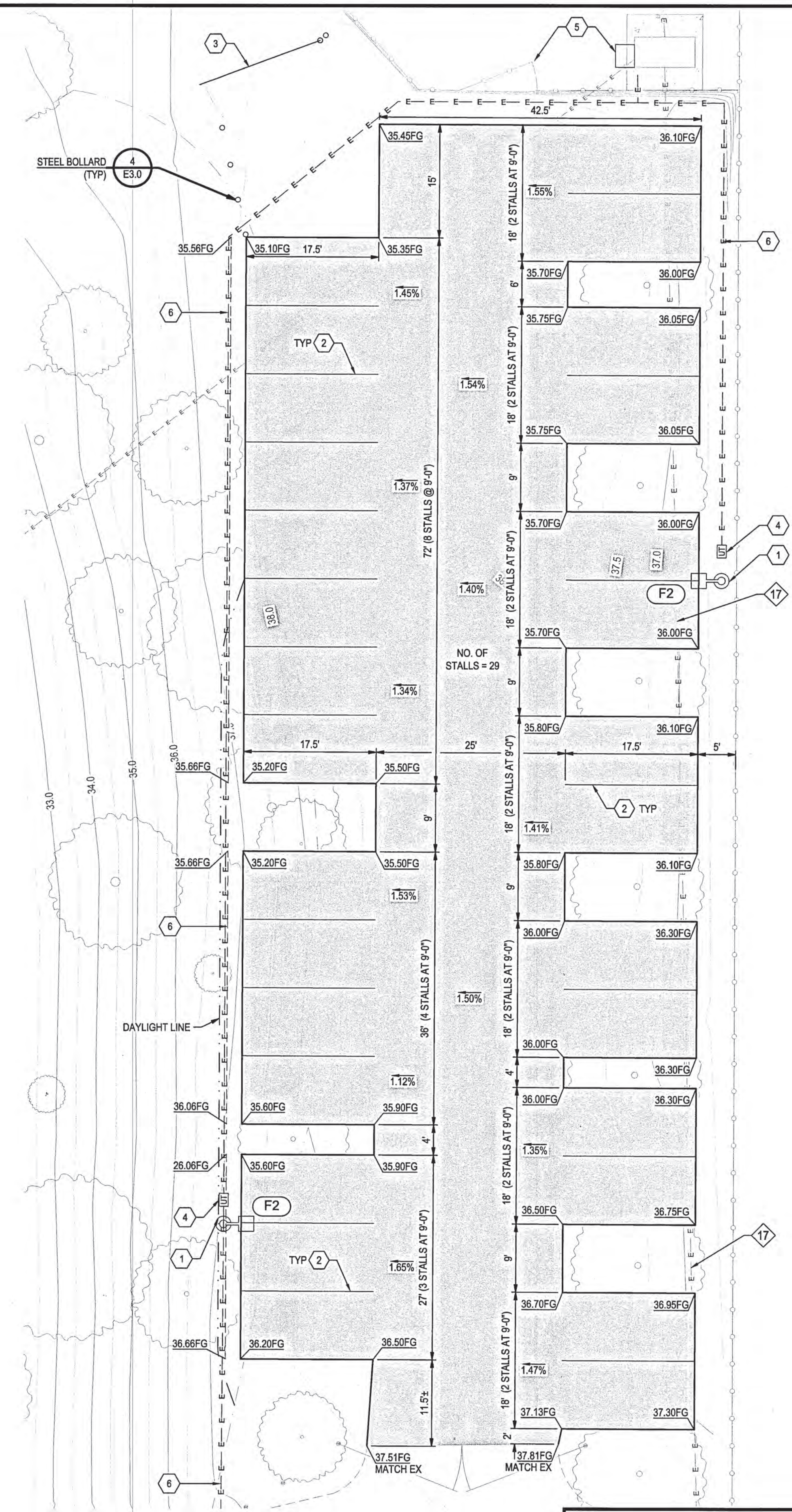
DEMOLITION NOTES:

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

NORTH PARKING TOPOGRAPHIC PLAN
SCALE: 1" = 10'



NORTH PARKING PAVING PLAN
SCALE: 1" = 10'

IMPROVEMENT LEGEND:

- CELLULAR CONFINEMENT PAVEMENT 1.5' 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
- FEEDER SCHEDULE TAG, SEE SHEET E1.0 DETAIL 2
- 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 PER FEEDER SCHEDULE TAG, SEE SHEET E1.0 DETAIL 2



DATE SIGNED: 06/08/21



SIEGFRIED
3429 Brookside Road Stockton, California 95210
209-943-2021 www.siegfried.com Fax 209-942-0214

| Revision No. | Description | Date | By | Apprvd. By |
|--------------|-------------|------|----|------------|
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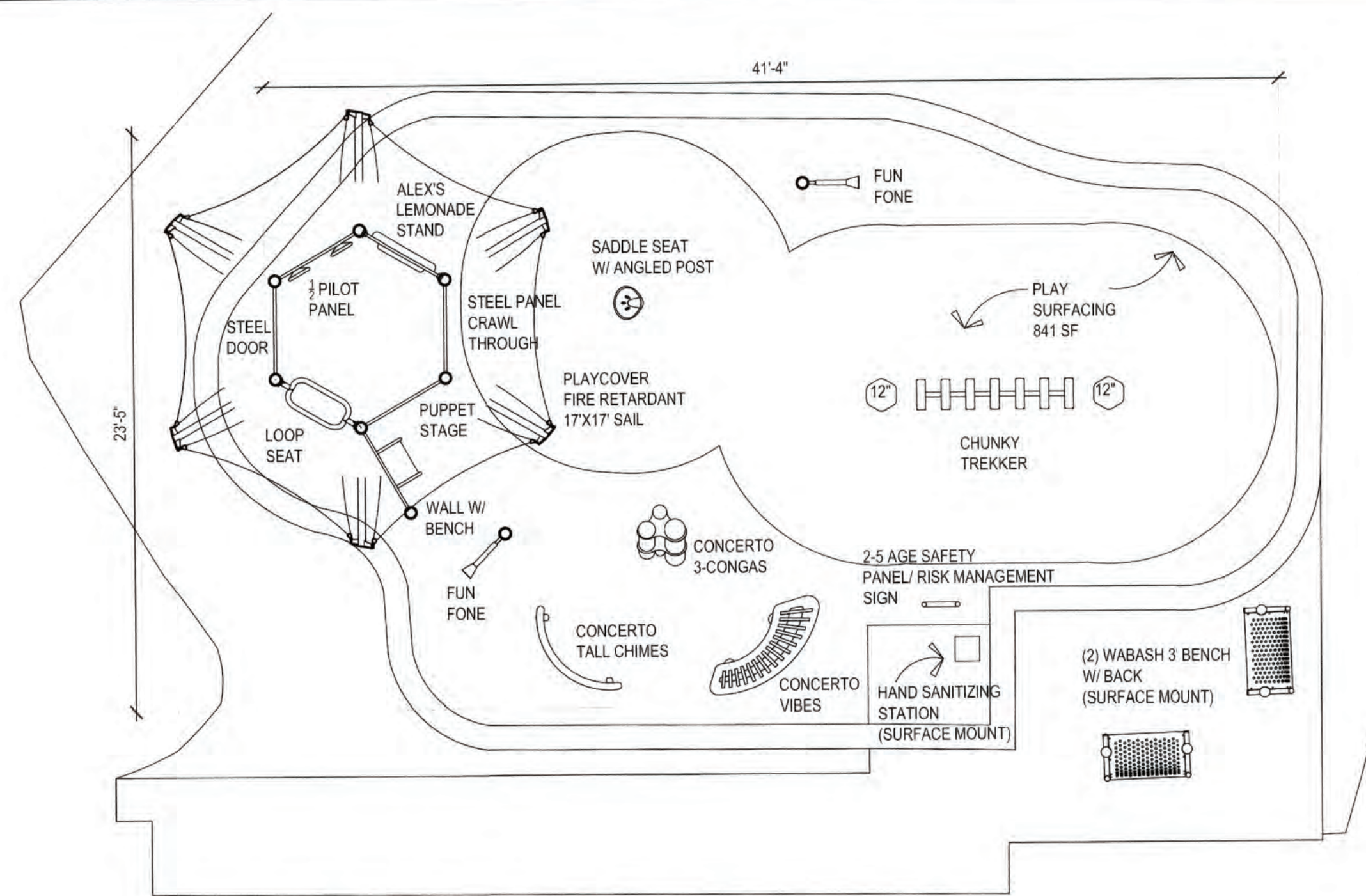
STOCKTON SOCCER COMPLEX UPGRADES

ALTERNATIVE NO. 1 - NORTH PARKING LOT PLAN

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

| | | | |
|--------------|----------|--|-----------------------|
| SCALE | AS SHOWN | APPROVED BY: <i>[Signature]</i> DATE: 6/23/21 | SHEET NO. C8.0 |
| DESIGNED BY | PJS/MLK | <i>[Signature]</i> CITY ENGINEER | OF 81 SHEETS |
| DRAWN BY | RRG | | PW1510 |
| CHECKED BY | PJS | STOCKTON, CALIFORNIA | PROJECT NO. |
| RECORD DWGS. | | | |

5439.39C



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

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 | 8'-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 weld.

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" 4' Fence Section, Straight

* 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.

714-577-8 & 714-578

8' Fence Section, Straight Archway for Fence, 5" OD

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 "override" 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



DATE SIGNED: 06/08/21

SIEGFRIED
3428 Brookside Road Stockton, California 95219
209-943-2021 www.siegfriedeng.com Fax: 209-942-0214

STOCKTON SOCCER COMPLEX UPGRADES
ALTERNATIVE NO. 2 - PLAYGROUND DESIGN REQUIREMENT

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

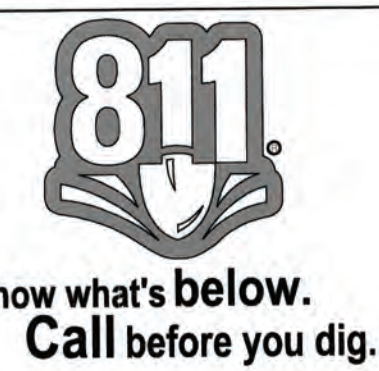
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| Revision No. | Description | Date | By | Apprvd. By |
| | | | | |

SCALE AS SHOWN APPROVED BY: [Signature] DATE 6/23/21 SHEET NO. C9.1

DRAWN BY: RRG
CHECKED BY: PJS
RECORD DWGS.

CITY ENGINEER
STOCKTON, CALIFORNIA

PROJECT NO. PW1510



54 39.412

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 height. Steering Wheel and knob shall be constructed of aluminum. 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 1/4 ga. tube, A-60 with stainless steel hardware and plastic spacers.

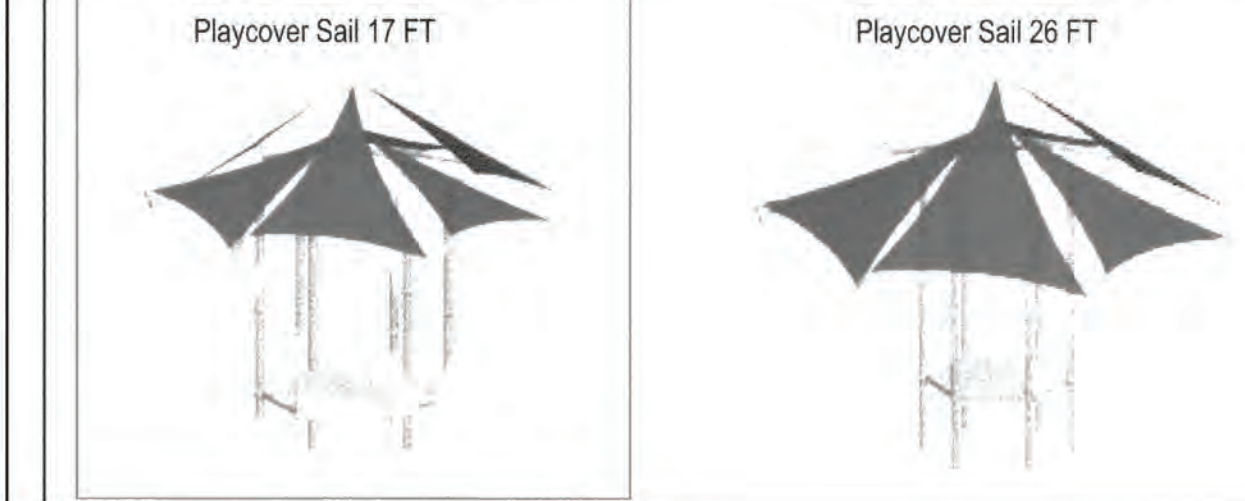
Fasteners: Each assembly shall contain Versalok Fasteners and Fastener Style A hardware.

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 **714-669-626S Playcover**
714-669-617SFR Playcover **714-669-626SFR Playcover**



| 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 |

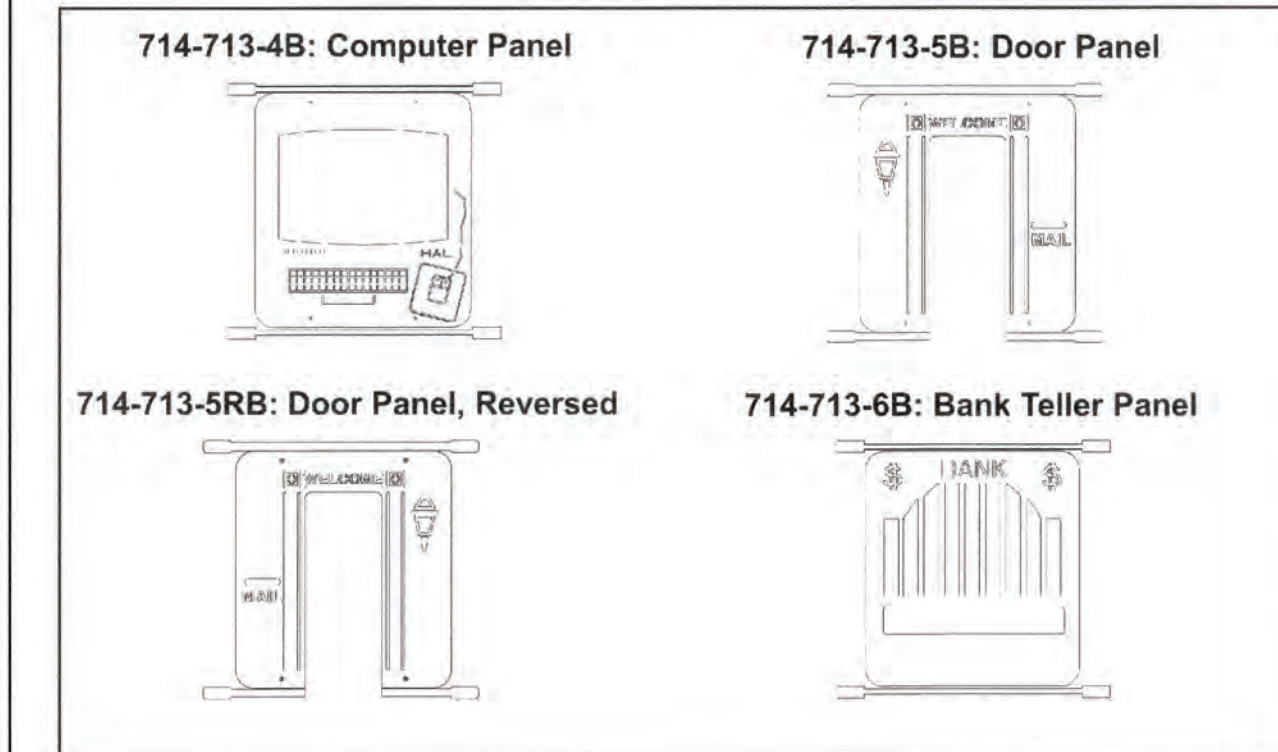
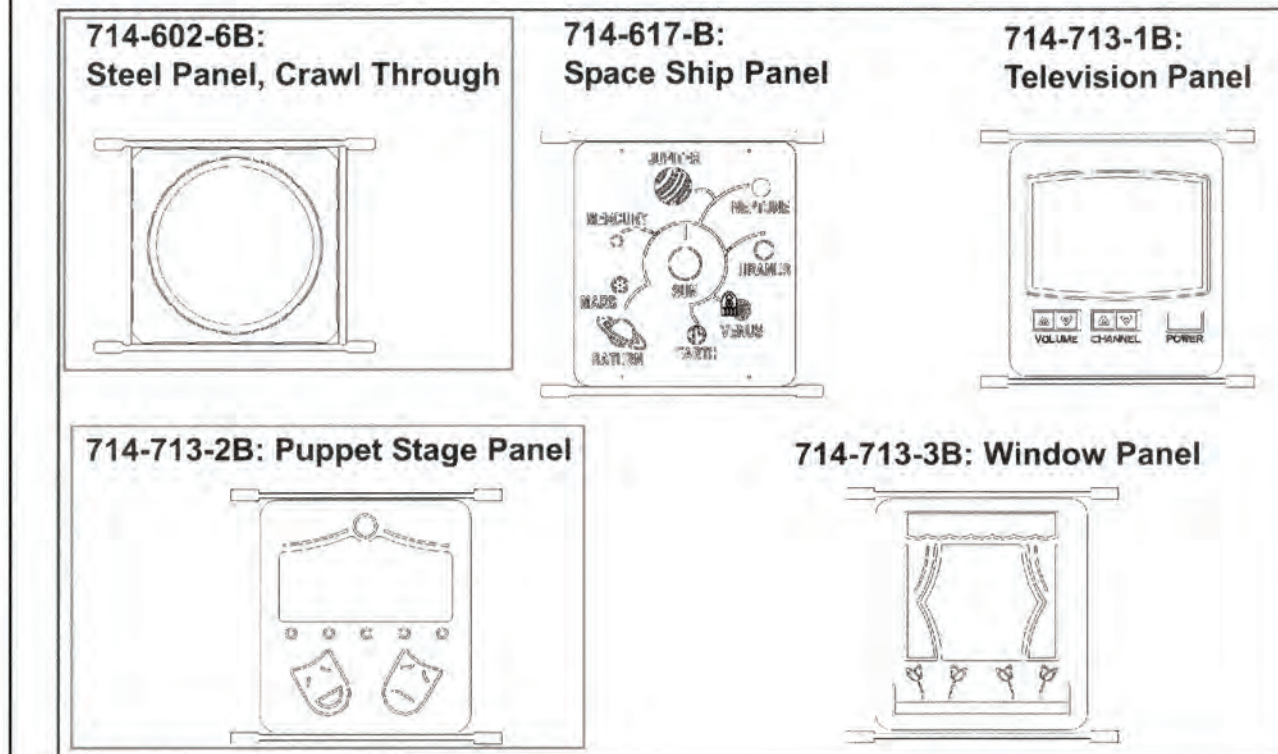
DESCRIPTION
Playcover Sail Shades will attach to Kids' Choice decks to provide shade to play structures. All structures are designed to meet the requirements of ASCE 7-05 (IBC 2006, IBC 2009, CBC 2010), ASCE 7-10 (IBC 2012, IBC 2015, IBC 2018, CBC 2013, CBC 2016) and ASCE 7-16 (IBC 2018, CBC 2019). Shades 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



Imagination Panels & Activity Panels - Below Deck

| MODEL # | PRODUCT | MODEL # | PRODUCT |
|-------------|----------------------------|-------------|----------------------|
| 714-620-6B | Steel Panel, Crawl Through | 714-714-9B | 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 | Calypto 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 |

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 Calypto 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 routed 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 polycarbonate 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.

Calypto 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



DATE SIGNED: 06/08/21



| | | | |
|---|---|--|--|
| | | STOCKTON SOCCER COMPLEX UPGRADES | |
| 3428 Brookside Road Stockton, California 95210 209-943-0221 www.siegfriedeng.com Fax: 209-942-0214 | | ALTERNATIVE NO. 2 - PLAYGROUND DESIGN REQUIREMENT | |
| 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: [Signature] DATE: 6/23/21 CITY ENGINEER STOCKTON, CALIFORNIA | SHEET NO. C9.2 OF 51 SHEETS PW1510 PROJECT NO. |

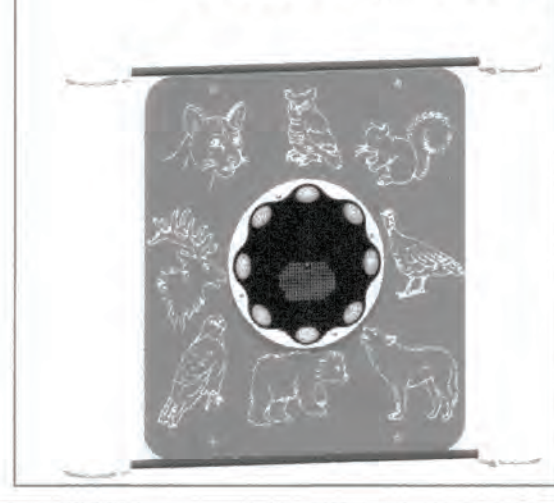
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Electronic Panels - Below Deck

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

Pods: 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 Galvanized 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 8'-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 8'-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/exist 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/Steering Wheel: The wall enclosures shall consist of a top and bottom rail and end uprights of 1" pipe with Wall Enclosure w/ 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



| 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.

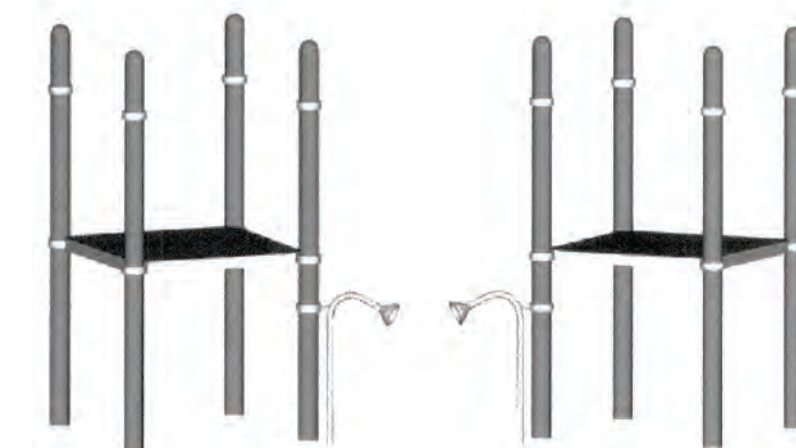
Fasteners: The assembly shall contain Fastener Style A hardware.

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



DATE SIGNED: 06/08/21

| | | | | | |
|---|-------------|---|----|--|---------------------|
| <p>3428 Brookside Road Stockton, California 95210 209-943-9201 www.siegfriedeng.com F# 209-942-0214</p> | | <p>ENGINEERING STRUCTURAL LANDSCAPE ARCHITECTURE LAND SURVEYING</p> | | <p>STOCKTON SOCCER COMPLEX UPGRADES</p> | |
| | | <p>ALTERNATIVE NO. 2 - PLAYGROUND DESIGN REQUIREMENT</p> | | <p>DEPARTMENT OF PUBLIC WORKS CITY OF STOCKTON, CALIFORNIA</p> | |
| Revision No. | Description | Date | By | Apprvd. By | SCALE AS SHOWN |
| | | | | | DESIGNED BY PJS/NJK |
| | | | | | DRAWN BY RRG |
| | | | | | CHECKED BY PJS |
| | | | | | RECORD DWGS. |
| | | | | APPROVED BY: [Signature] | DATE: 6/23/21 |
| | | | | CITY ENGINEER | SHEET NO. C9.3 |
| | | | | STOCKTON, CALIFORNIA | OF 81 SHEETS |
| | | | | | PW1510 |
| | | | | | PROJECT NO. |



Know what's below.
Call before you dig.

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. |

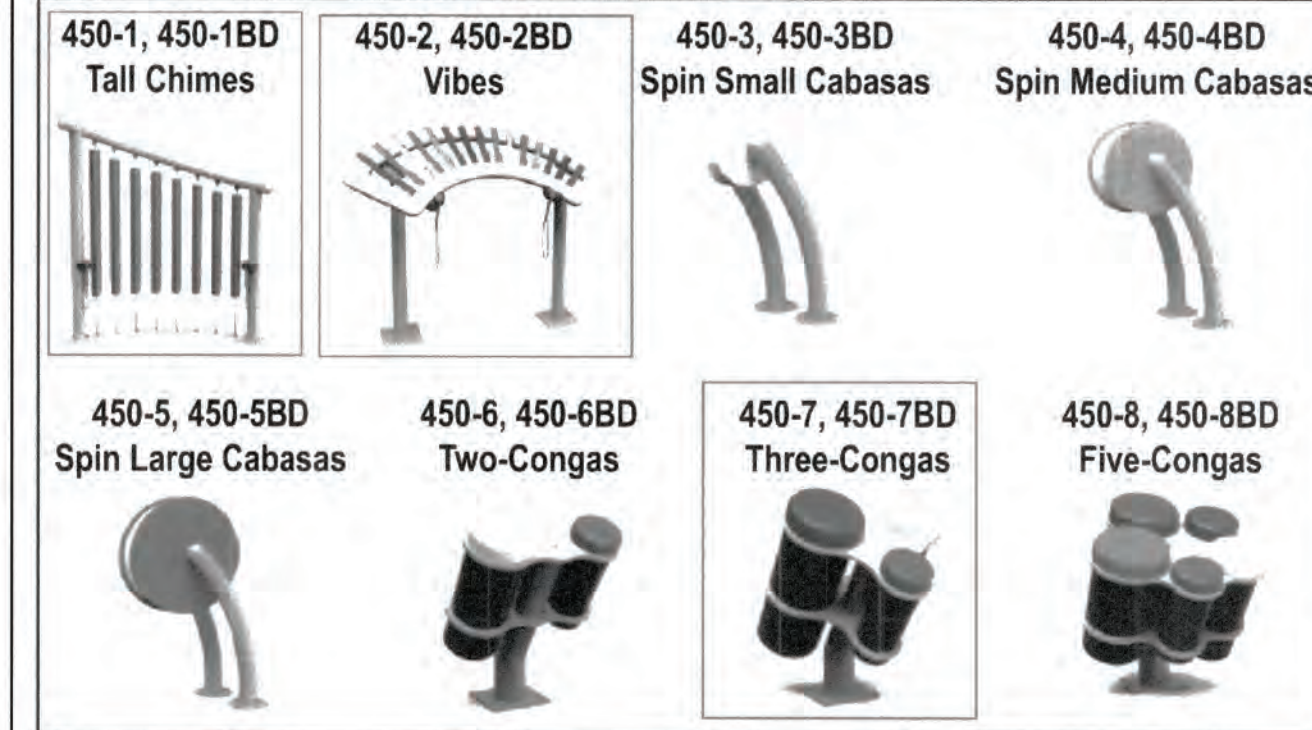
DESCRIPTION

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



| 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 supervision 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 requires 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 plastal coating to its luster after prolonged use, wash/rinse/dry and use Armor-All® or similar 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 18 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



DATE SIGNED: 06/08/21

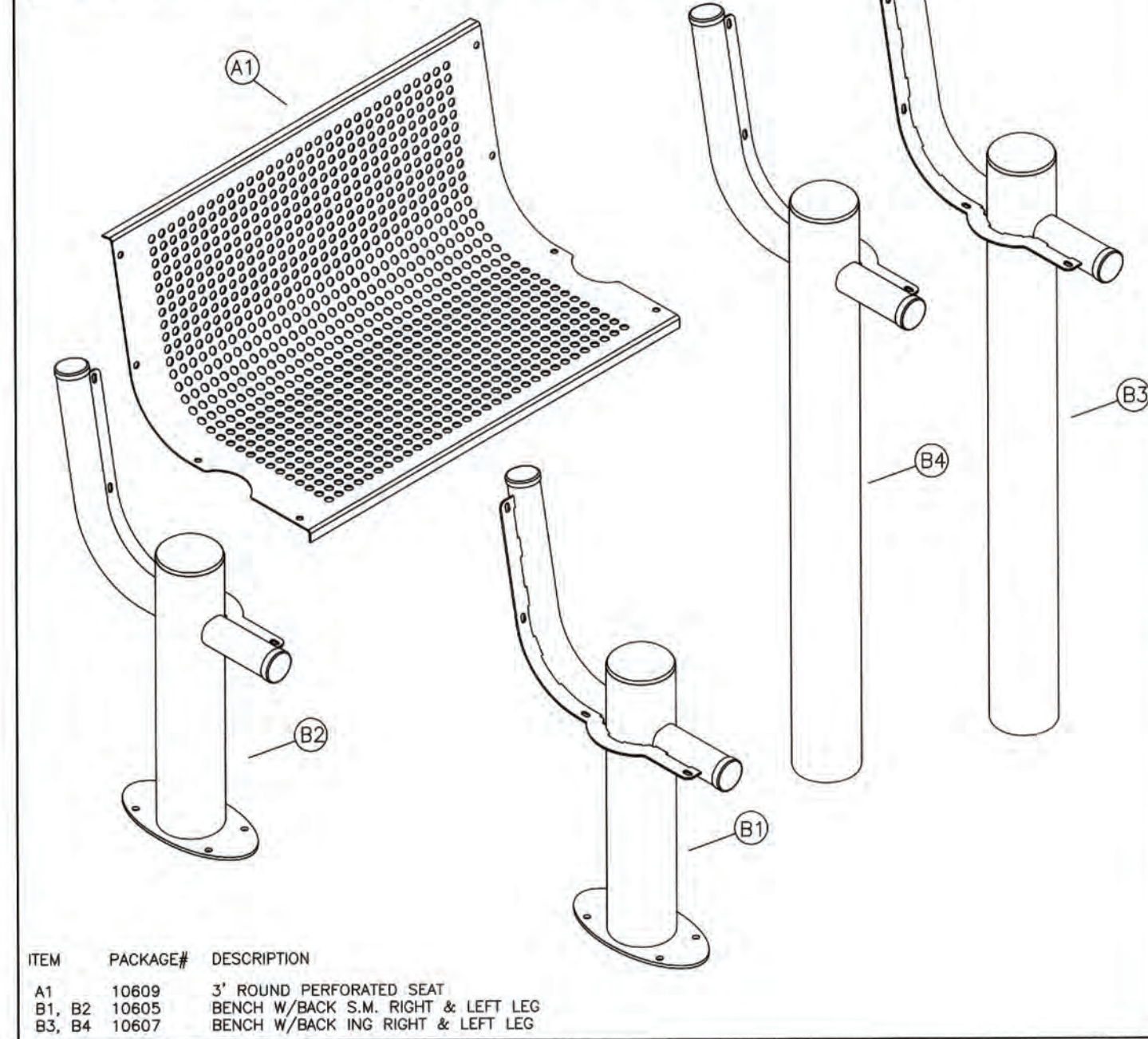


Know what's below.
Call before you dig.

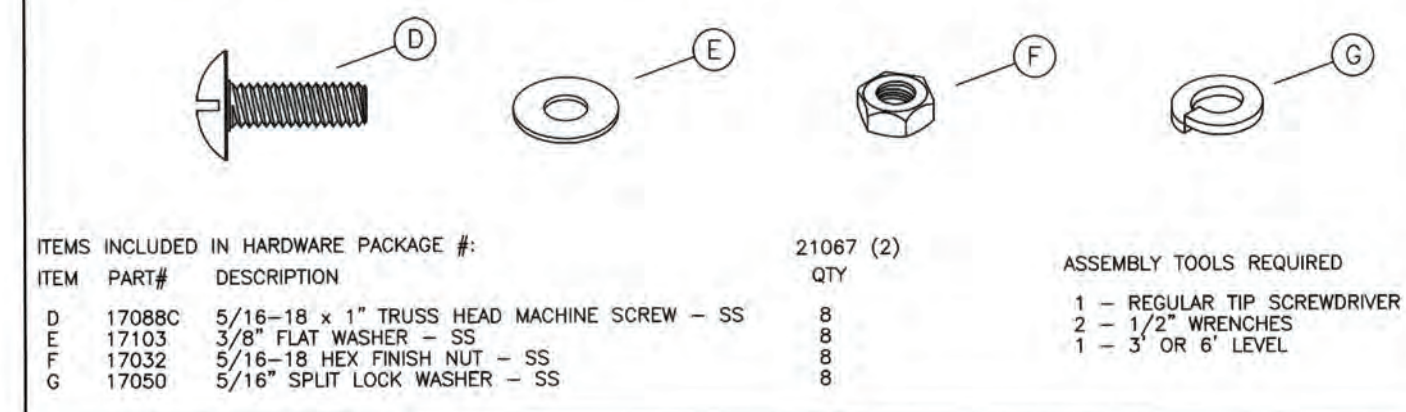
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|---|-------------|---|----|--|----------------------|----------|---------------------------------|--------------|
| | | CIVIL ENGINEERING STRUCTURAL ENGINEERING LANDSCAPE ARCHITECTURE LAND SURVEYING | | STOCKTON SOCCER COMPLEX UPGRADES | | | | |
| | | | | ALTERNATIVE NO. 2 - PLAYGROUND DESIGN REQUIREMENT | | | | |
| 3428 Brookside Road Stockton, California 95210 209-943-0071 www.siegfried.com Fax 209-942-0214 | | | | DEPARTMENT OF PUBLIC WORKS CITY OF STOCKTON, CALIFORNIA | | | | |
| Revision No. | Description | Date | By | Apprv. By | SCALE | AS SHOWN | APPROVED BY: <i>[Signature]</i> | SHEET NO. |
| | | | | | DESIGNED BY: PJS/MJK | | DATE: 06/23/21 | C9.4 |
| | | | | | DRAWN BY: RRG | | | OF 51 SHEETS |
| | | | | | CHECKED BY: PJS | | | PW1610 |
| | | | | | RECORD DWGS. | | | PROJECT NO. |

5439.44C

parts identification:



hardware identification:

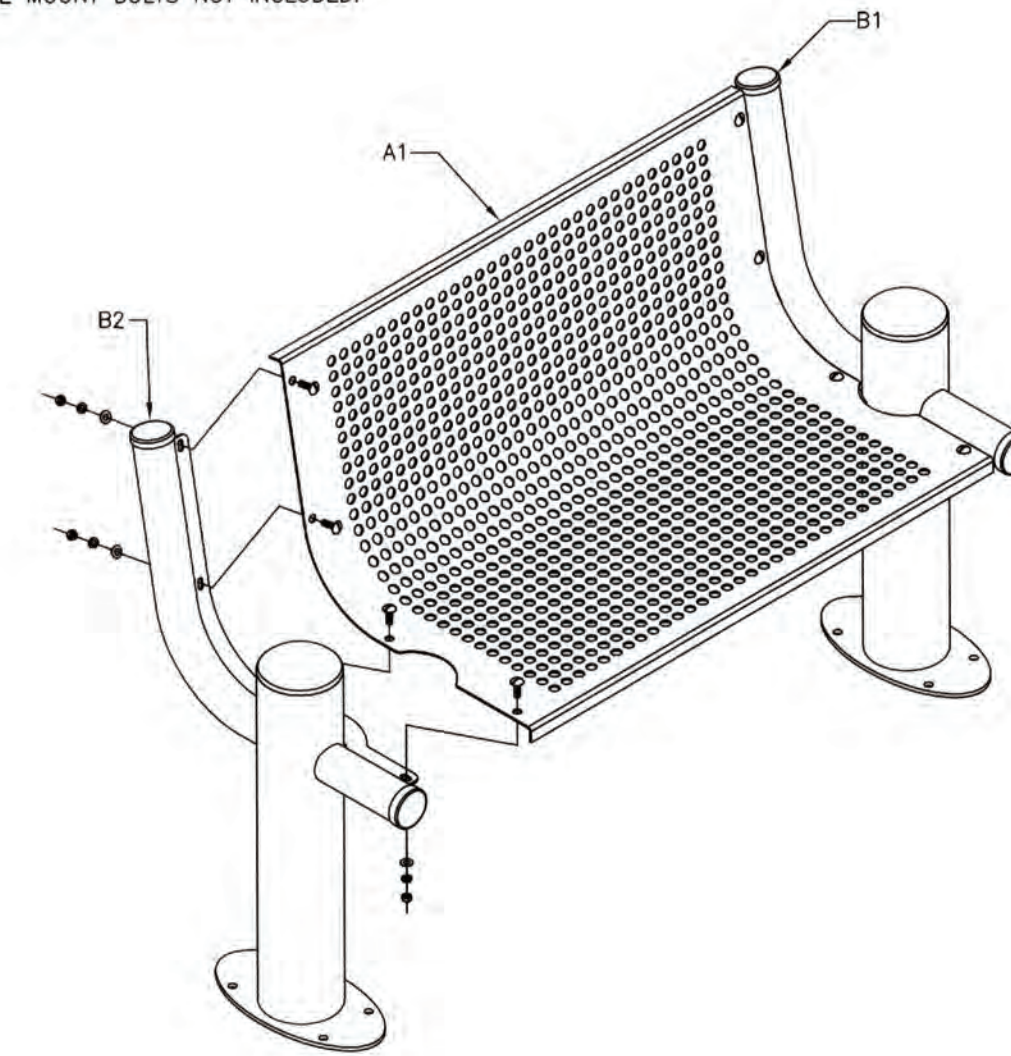


assembly procedures: IMPORTANT: Assemblers should be reasonably skilled in the assembly of commercial grade/heavy duty fabricated steel equipment. To ensure proper assembly, it is suggested that you take adequate time to locate and identify each part. To prevent scratching of the finished pieces, we 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 pre-cut 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.

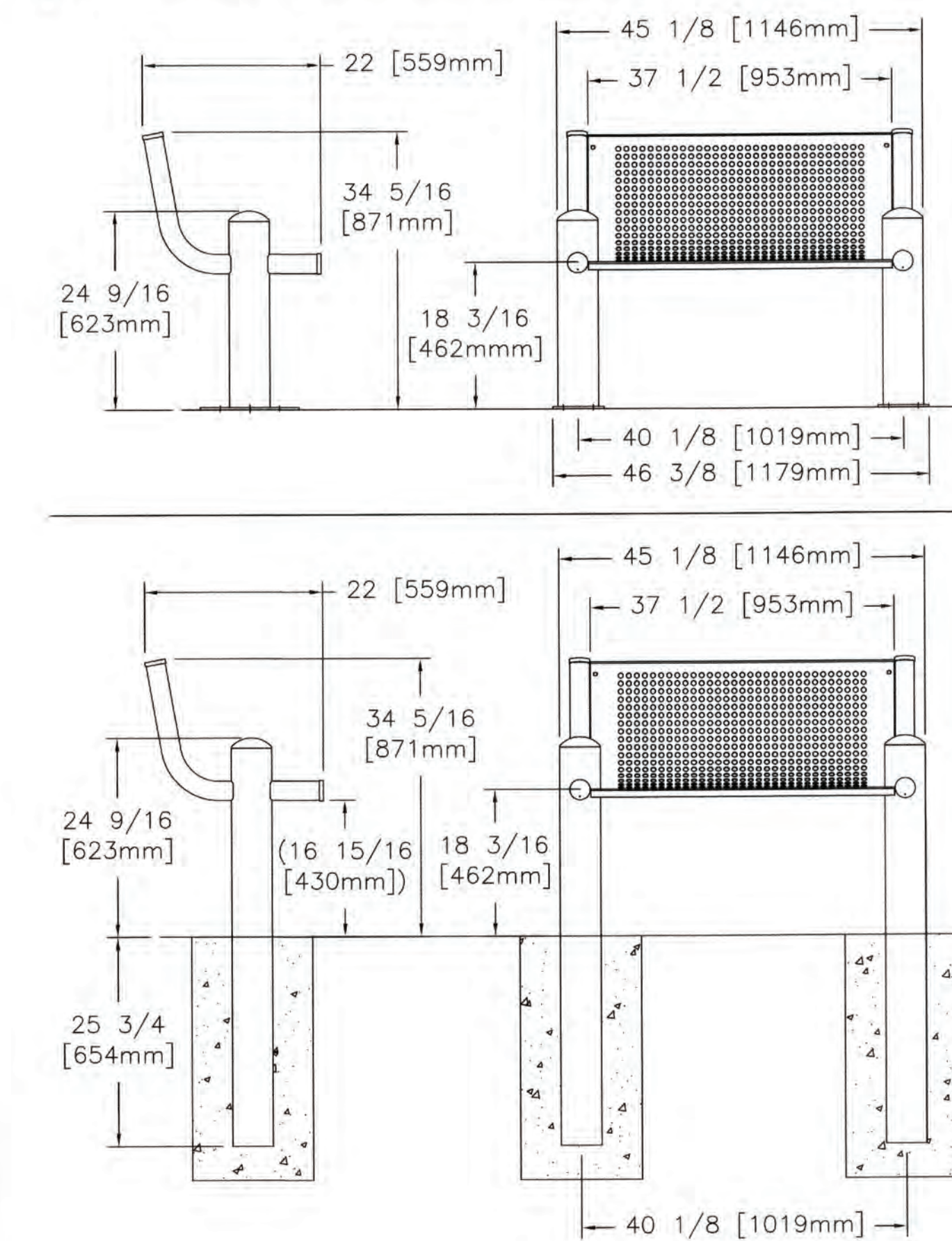
SURFACE MOUNT INSTRUCTIONS

- 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 location. See page 4 for dimensions needed to complete surface mount installation.

NOTE: SURFACE MOUNT BOLTS NOT INCLUDED.



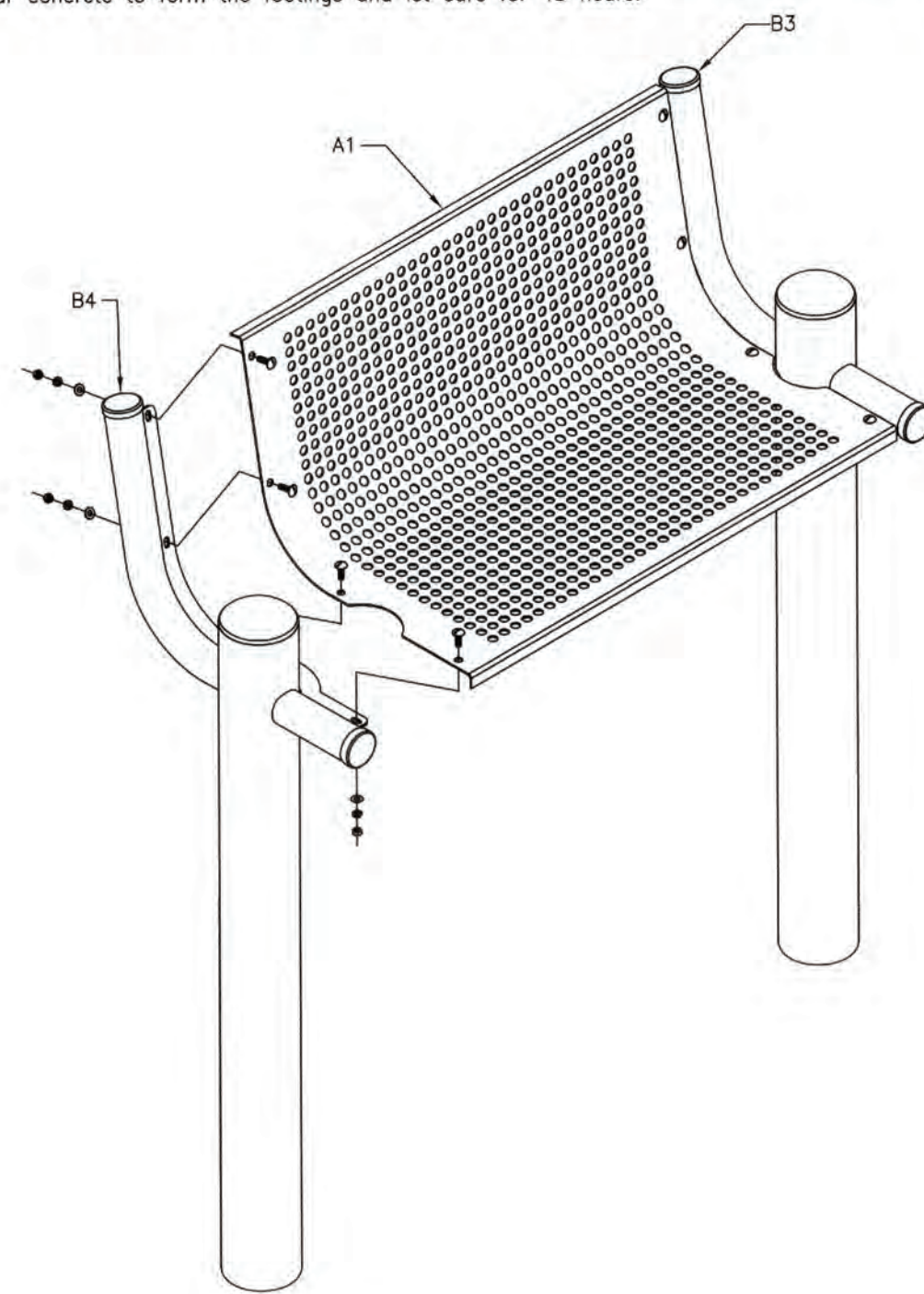
product dimensions:



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. Form 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: S9904

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

PLAYGROUND EQUIPMENT NOTE
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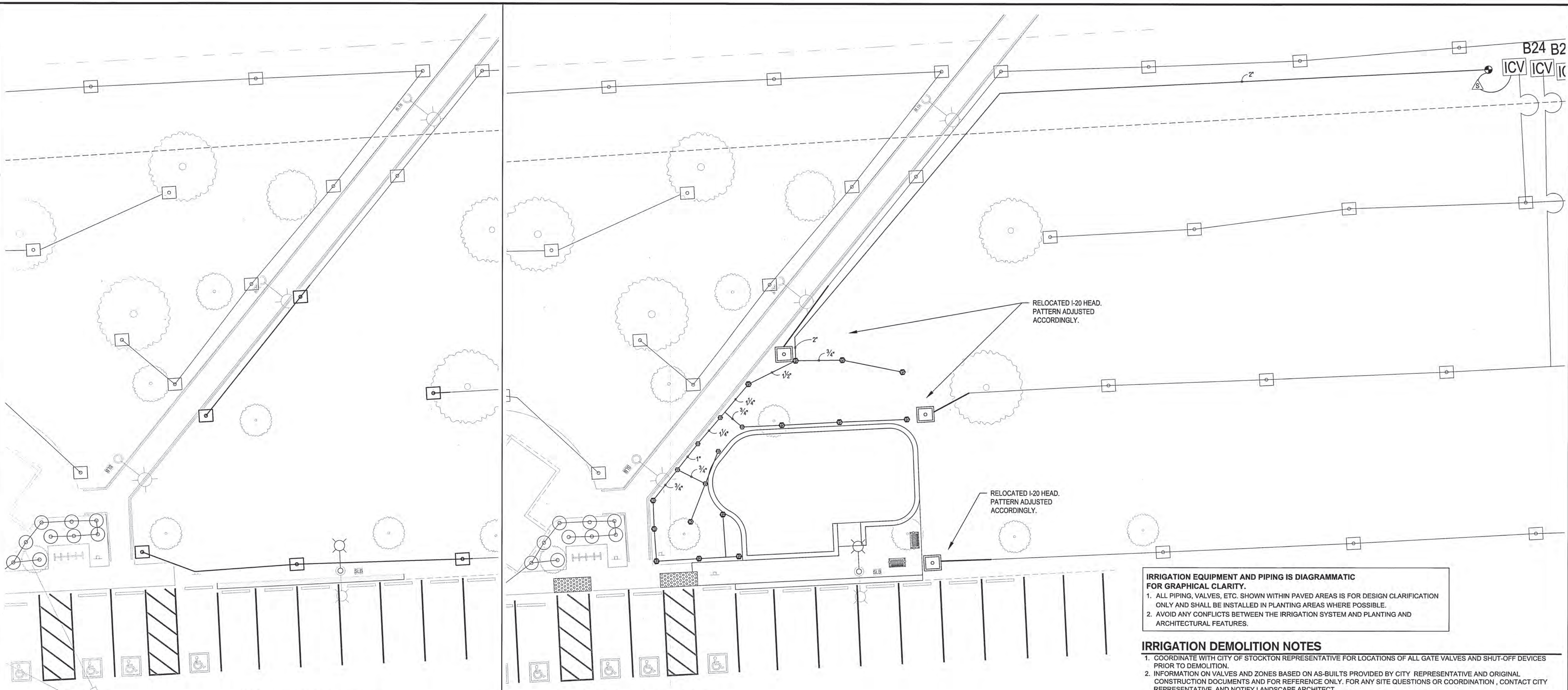


DATE SIGNED: 06/08/21



Know what's below. Call before you dig.

| | | | |
|---|---|---|----------|
| | | STOCKTON SOCCER COMPLEX UPGRADES ALTERNATIVE NO. 2 - PLAYGROUND DESIGN REQUIREMENT | |
| DEPARTMENT OF PUBLIC WORKS CITY OF STOCKTON, CALIFORNIA | | DEPARTMENT OF PUBLIC WORKS CITY OF STOCKTON, CALIFORNIA | |
| SCALE AS SHOWN DESIGNED BY PJSIMJK DRAWN BY RRG CHECKED BY PJS RECORD DWGS. | APPROVED BY: <i>[Signature]</i> DATE: 6/23/21 CITY ENGINEER STOCKTON, CALIFORNIA | SHEET NO. C9.5 OF 51 SHEETS FW1510 PROJECT NO. | 5479.452 |



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

| | |
|--|-------------------------------------|
| | 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 |
| | 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 |
| | Quick Coupling valve to be removed |

IRRIGATION PROPOSED LEGEND

| SYMBOL | MANUFACTURER/MODEL/DESCRIPTION | QTY |
|--------|--|------------|
| | Rain Bird 1806-U-SAM-PRS HE-VAN Series | 20 |
| | 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. | |
| | 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. |

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

- ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH LOCAL CODES AND REQUIREMENTS.
- 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.
- 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. 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.
- 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.
- CONTRACTOR SHALL STABILIZE IRRIGATION VALVES DURING CONSTRUCTION UNTIL BACKFILLING IS COMPLETED.
- 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.
- 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.
- ALL SPRINKLER HEADS SHALL BE SET PERPENDICULAR TO FINISH GRADE OF THE AREA TO BE IRRIGATED UNLESS OTHERWISE NOTED ON THE DRAWINGS.
- ALL PVC SLEEVES UNDER PAVEMENT AND ROADWAYS TO BE SCH. 40. SLEEVES TO BE TWICE 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.
- PROVIDE A MINIMUM 24" COVER OVER ALL MAIN LINE PIPING AND 18" OVER ALL LATERAL LINES.
- 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.

- 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"
- 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.
- 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.
- 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.



DATE SIGNED: 06/08/21



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

3428 Brookside Road Stockton, California 95210
209-945-0211 www.siegfried.com

STOCKTON SOCCER COMPLEX UPGRADES

ALTERNATIVE NO. 2 - PLAYGROUND IRRIGATION PLAN

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

ENGINEERING
STRUCTURAL
LANDSCAPE
ELECTRICAL
LAND SURVEYING

| Revision No. | Description | Date | By | Appr. By |
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SCALE AS SHOWN

DESIGNED BY PJS/MJK

DRAWN BY ERG

CHECKED BY PJS

RECORD DWGS.

APPROVED BY:

DATE: 6/23/21

6171 ENGINEER

STOCKTON, CALIFORNIA

SHEET NO. **C9.6**

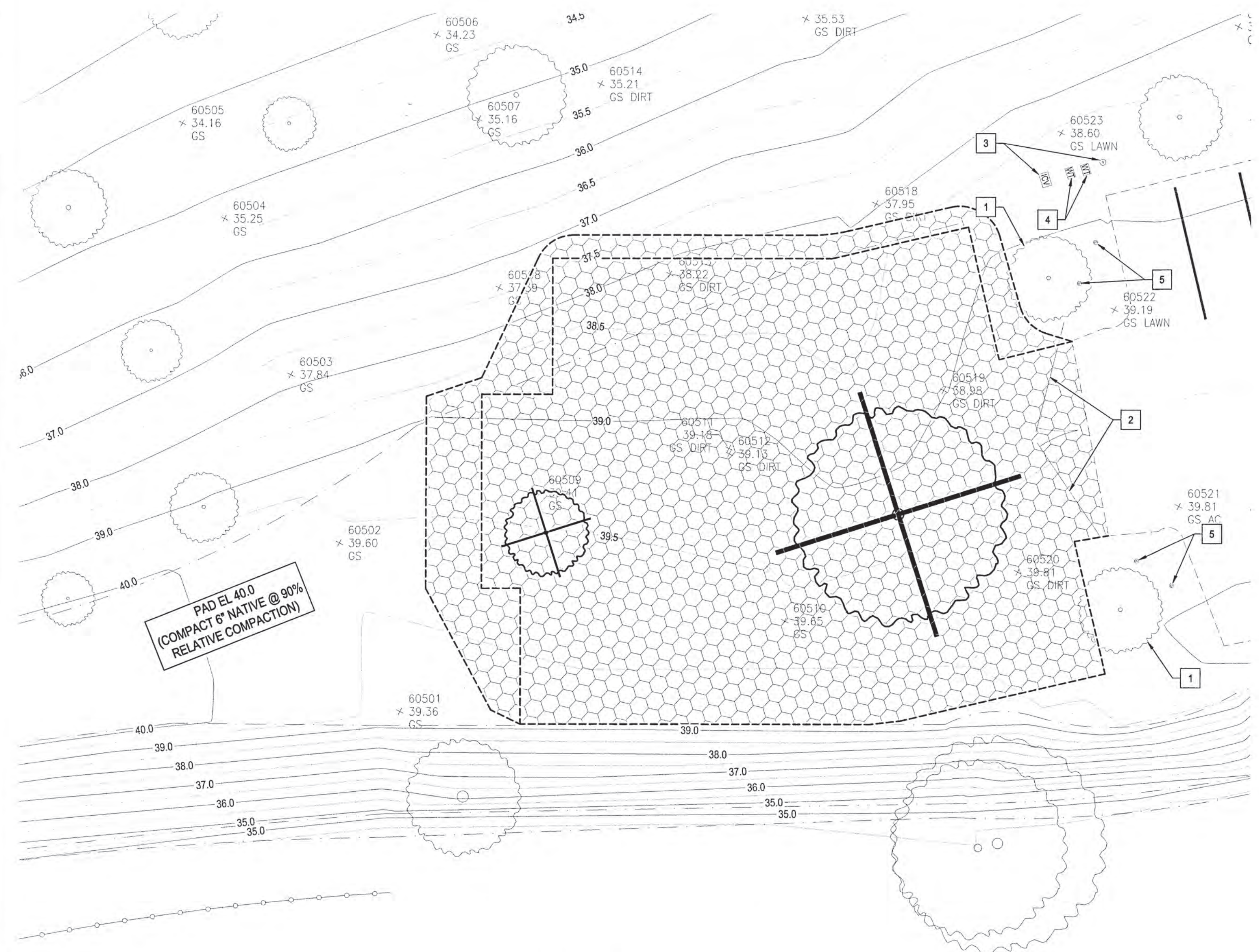
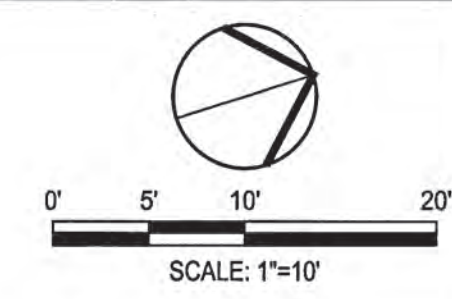
OF 51 SHEETS

PW1510

PROJECT NO.

5439.462

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2 EAST PARKING DEMOLITION PLAN
SCALE: 1" = 10'

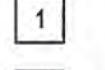
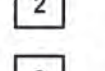

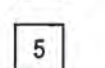
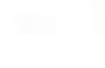
DEMOLITION NOTES:

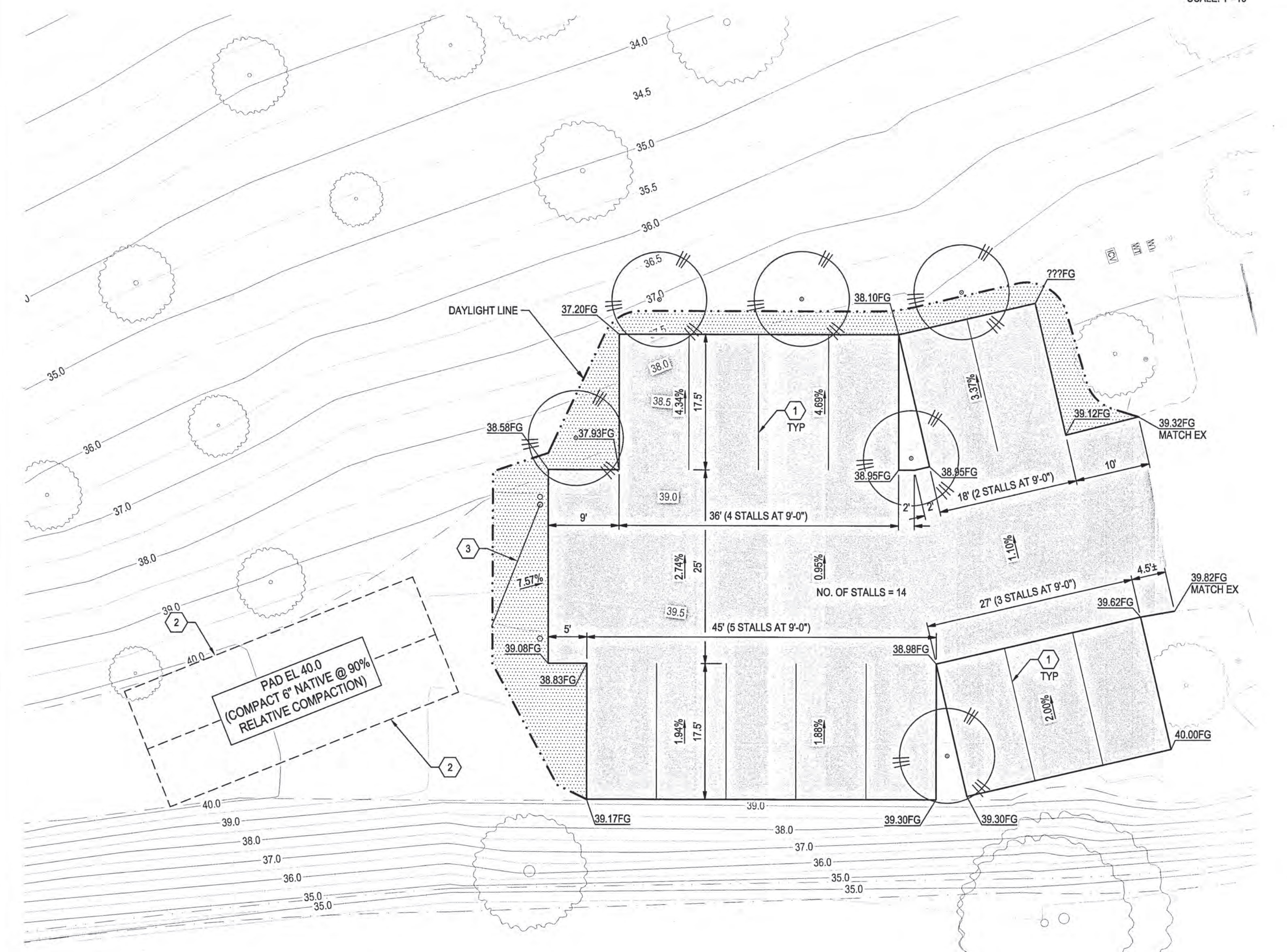
- CONTRACTOR IS RESPONSIBLE FOR REMOVING AND PROPERLY DISPOSING OF ALL MATERIALS DEMOLISHED FROM THE SITE INCLUDING: PAVEMENT, CONCRETE, CURB AND GUTTER, STORM DRAINAGE MATERIALS AND ELECTRICAL MATERIALS.
- IF ANY QUESTIONS ARISE AS TO WHETHER SOMETHING SHOULD BE REMOVED, CONTRACTOR SHALL CONTACT SIEGFRIED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

DEMOLITION LEGEND:

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




DEMOLITION KEY NOTES:

-  PROTECT IN PLACE, EXISTING TREE
-  PROTECT IN PLACE, EXISTING VEHICLE ACCESS GATE
-  PROTECT IN PLACE, EXISTING IRRIGATION CONTROL VALVE
-  PROTECT IN PLACE, EXISTING WATER METER
-  PROTECT IN PLACE, EXISTING BOLLARD

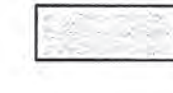




2 EAST PARKING PAVING PLAN
SCALE: 1" = 10'

KEY NOTES:


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

LEGEND:

-  CELLULAR CONFINED PAVEMENT 1.8\"/>
-  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

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SIEGFRIED
3428 Brookside Road Stockton, California 95219
209-943-0201 www.siegfriedeng.com Fax: 209-943-0214

STOCKTON SOCCER COMPLEX UPGRADES

ALTERNATIVE NO. 4 - EAST PARKING LOT PLAN

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

| Revision No. | Description | Date | By | Apprvd. By |
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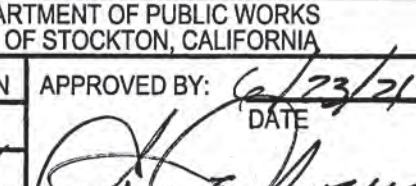
SCALE AS SHOWN

DESIGNED BY PJS/MJK

DRAWN BY RRG

CHECKED BY PJS

RECORD DWGS.

APPROVED BY: 

DATE: 6/23/21

CITY ENGINEER
STOCKTON, CALIFORNIA

SHEET NO. **C11.0**

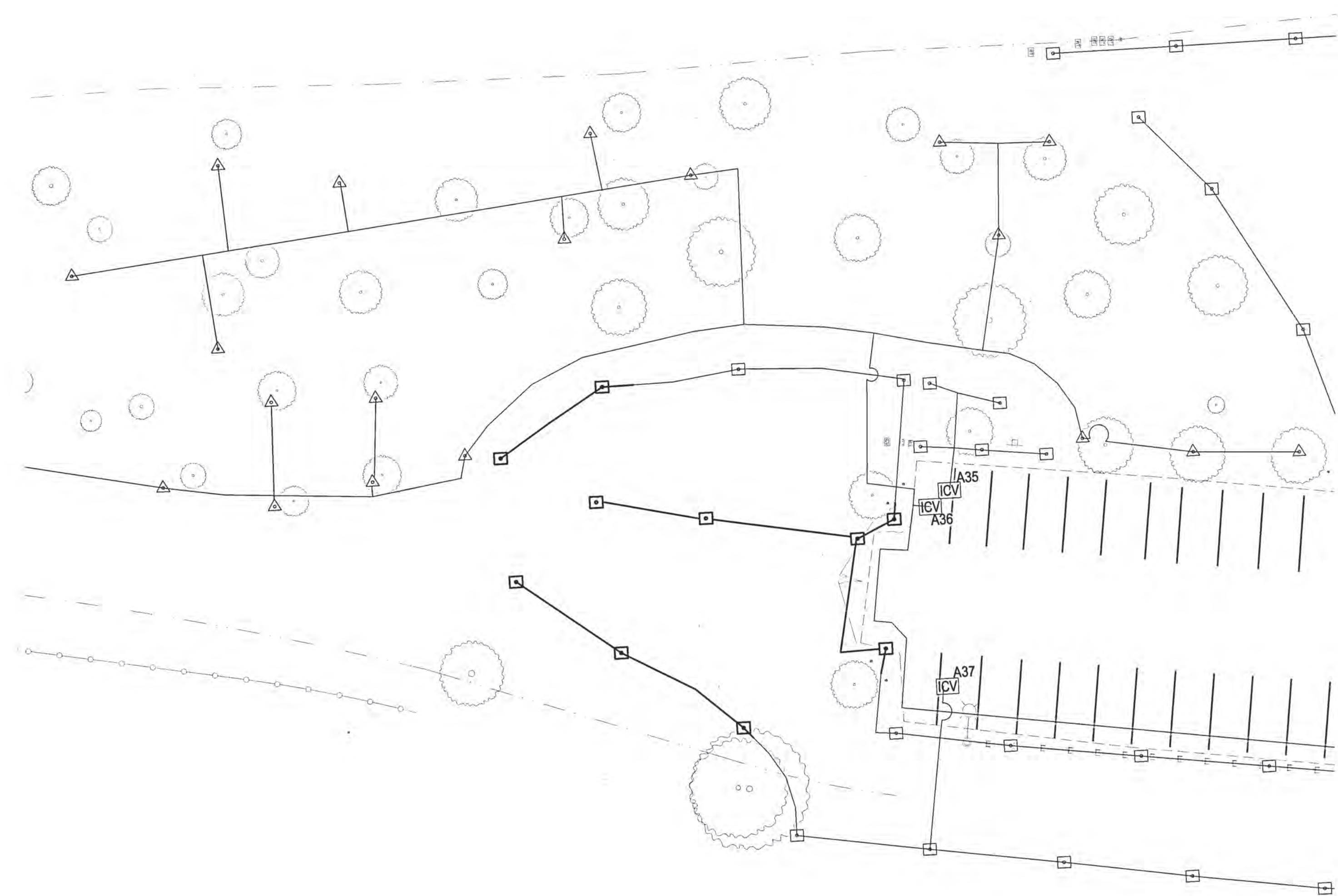
OF 51 SHEETS

PW1510

PROJECT NO.

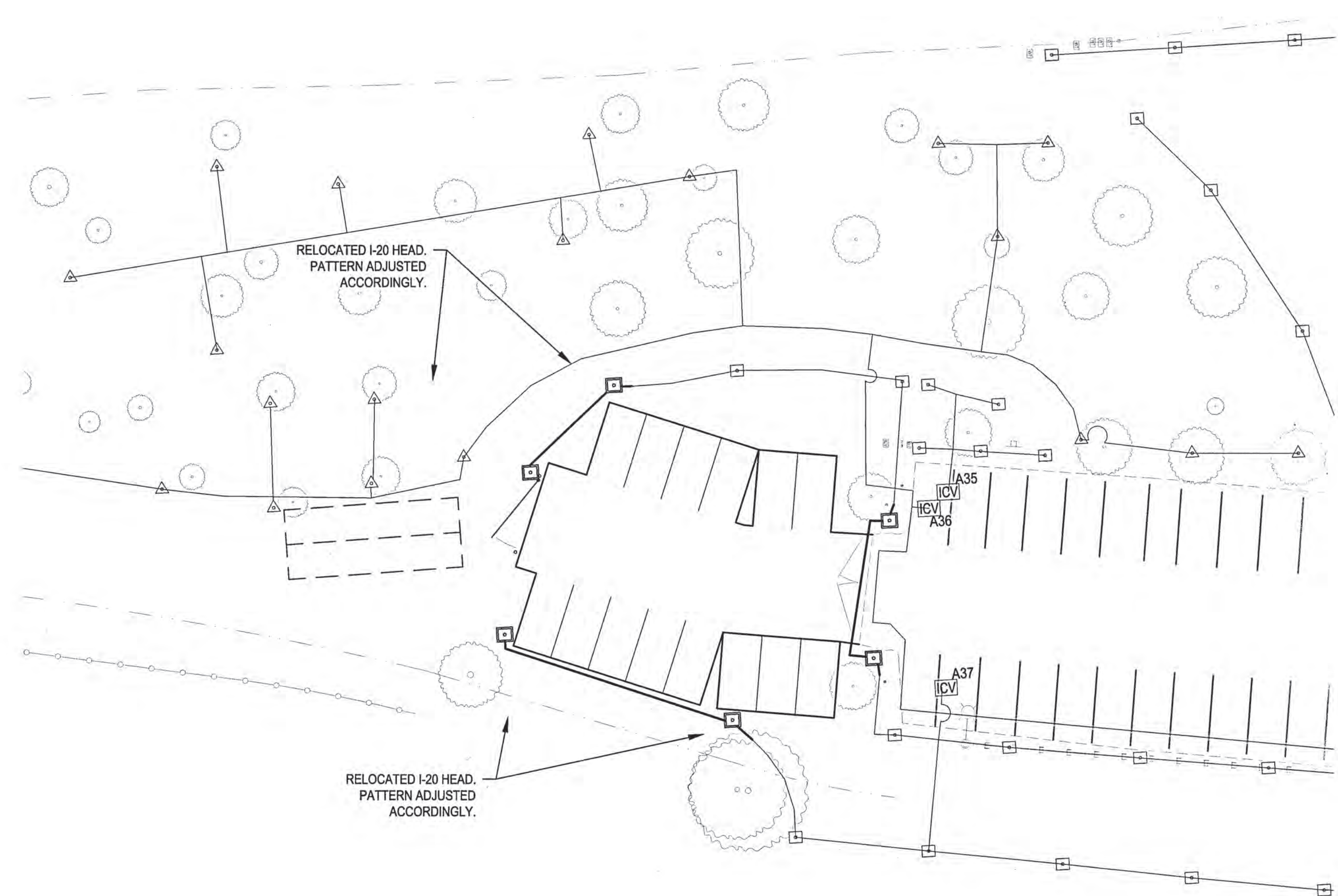


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EAST PARKING - IRRIGATION DEMOLITION

SCALE: 1" = 20'



EAST PARKING - IRRIGATION PROPOSED

SCALE: 1" = 20'

IRRIGATION EXISTING / DEMOLITION LEGEND

- Existing irrigation valve to remain
- 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
- 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
- Quick Coupling valve to be removed

IRRIGATION PROPOSED LEGEND

- 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

- ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH LOCAL CODES AND REQUIREMENTS.
- 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.
- 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.
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- 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.
- ALL SPRINKLER HEADS SHALL BE SET PERPENDICULAR TO FINISH GRADE OF THE AREA TO BE IRRIGATED UNLESS OTHERWISE NOTED ON THE DRAWINGS.
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- 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

- COORDINATE WITH CITY OF STOCKTON REPRESENTATIVE FOR LOCATIONS OF ALL GATE VALVES AND SHUT-OFF DEVICES PRIOR TO DEMOLITION.
- 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.
- VALVES AND MAINLINES ARE NOT ACTUAL AND NEED TO BE CONFIRMED BY CONTRACTOR. CONTRACTOR SHALL PROTECT CONTROLLER WIRES FOR EXISTING VALVES TO REMAIN.
- 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.
- 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.

EXISTING IRRIGATION NOTES

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

IRRIGATION EQUIPMENT AND PIPING IS DIAGRAMMATIC FOR GRAPHICAL CLARITY.

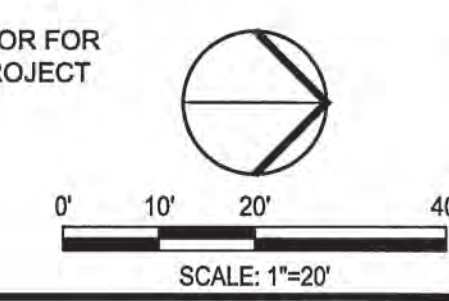
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- AVOID ANY CONFLICTS BETWEEN THE IRRIGATION SYSTEM AND PLANTING AND ARCHITECTURAL FEATURES.



DATE SIGNED: 06/08/21



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|--|----------------------|--|---------------------------------------|
| | | STOCKTON SOCCER COMPLEX UPGRADES ALTERNATIVE NO. 4 - EAST PARKING IRRIGATION PLAN | |
| DEPARTMENT OF PUBLIC WORKS CITY OF STOCKTON, CALIFORNIA | | APPROVED BY: <i>[Signature]</i> DATE: 6/23/24 | |
| SCALE: AS SHOWN | DESIGNED BY: PJS/MJK | DRAWN BY: RRG | SHEET NO. C11.1 |
| CHECKED BY: PJS | CITY ENGINEER | STOCKTON, CALIFORNIA | OF 51 SHEETS PW1510 PROJECT NO. |



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