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CONSTRUCTION PLANS FOR

S.L. FONG PARK
CITY OF STOCKTON

LANDSCAPE ARCHITECT
THE HLA GROUP LANDSCAPE
ARCHITECTS & PLANNERS, INC.
1990 THIRD ST. SUITE 500
SACRAMENTO, CA 95814
TEL. (916) 447-7400
FAX (916) 447-8270
CONTACT: BOB HABLITZEL

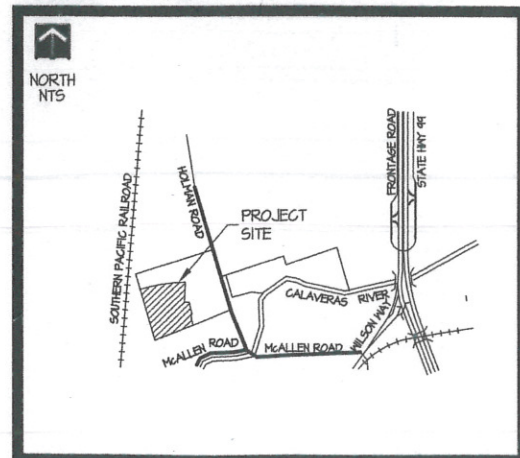
ELECTRICAL ENGINEER
HCS ENGINEERING, INC.
4651 QUAIL LAKES DRIVE
STOCKTON, CA 95207
TEL. (209) 478-8270
FAX (209) 478-2169
CONTACT: BHUPENDRA PATEL

CIVIL ENGINEER
MCR ENGINEERING, INC.
322 SUN WEST PLACE
MANTECA, CA 95337
TEL. (209) 239-6229
FAX. (209) 239-????
CONTACT: VICTOR DUSPIVA

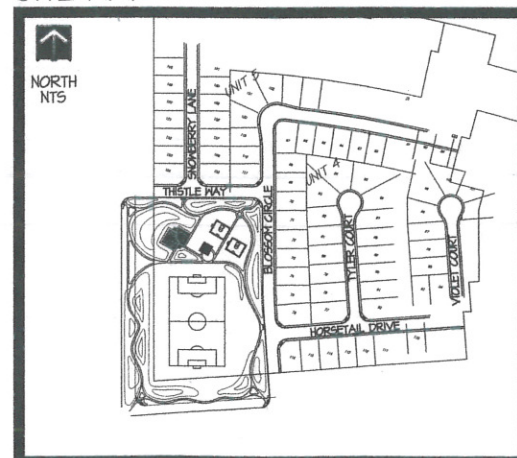
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VICINITY MAP



SITE MAP



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LANDSCAPE ARCHITECTS & PLANNERS
The HLA Group, Landscape Architects & Planners, Inc.
1990 Third Street Suite 500 Sacramento, California 95814
CELA 1509 916-447-7400 FAX 916-447-8270

S.L. FONG PARK PHASE ONE
COVER SHEET

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

REVISION NO.	DESCRIPTION	DATE	BY	APPROVED BY	SCALE: NONE	APPROVED BY:	SHEET NO.
	DESIGNED BY: -VPH					 CITY ENGINEER STOCKTON, CA DATE: OCTOBER 4TH 2002	COV
	DRAWN BY: RJB						OF 24 SHEETS
	CHECKED BY: MSE						PROJECT NO.
	RECORD DWG:						01-29

11/11/02

GENERAL NOTES:

- ALL IMPROVEMENTS SHALL BE CONSTRUCTED IN STRICT ACCORDANCE WITH THE FOLLOWING: CITY OF STOCKTON STANDARD SPECIFICATIONS, AND ALL AMENDMENTS TO DATE. CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS (CALTRANS) (LATEST EDITION), WHERE APPLICABLE. ALL WORK SHALL BE UNDER THE INSPECTION OF THE RESPECTIVE ENTITY.
- IT IS INTENDED THAT THESE PLANS AND SPECIFICATIONS REQUIRE ALL LABOR AND MATERIALS NECESSARY AND PROPER FOR THE WORK CONTEMPLATED AND THAT THE WORK BE COMPLETED IN ACCORDANCE WITH THEIR TRUE INTENT AND PURPOSE. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY REGARDING ANY DISCREPANCIES WHICH MAY EXIST IN THE PLANS AND SPECIFICATIONS. IF THE PLANS OR SPECIFICATIONS DESCRIBE PORTIONS OF THE WORK IN GENERAL TERMS BUT NOT IN COMPLETE DETAIL, IT IS UNDERSTOOD THAT ONLY THE BEST GENERAL PRACTICE IS TO PREVAIL AND THAT ONLY MATERIALS AND WORKMANSHIP OF THE FIRST QUALITY ARE TO BE USED.
- CONSTRUCTION STAKING FOR GRADING, CURB, GUTTER, SIDEWALK, SANITARY SEWER, STORM DRAIN AND WATER SHALL BE DONE UNDER THE DIRECTION OF M.C.R. ENGINEERING. THE CONTRACTOR SHALL NOTIFY THE ENGINEER SEVENTY-TWO (72) HOURS IN ADVANCE OF THIS NEED FOR STAKING. ANY STAKING REQUESTED BY THE CONTRACTOR OR HIS SUB-CONTRACTORS THAT IS ABOVE AND BEYOND NORMAL STANDARD SUBDIVISION STAKING NEEDS, WILL BE SUBJECT TO AN EXTRA BACK CHARGE TO THE CONTRACTOR.
- THE CONTRACTOR SHALL EXERCISE DUE CAUTION AND SHALL CAREFULLY PRESERVE BENCH MARKS, REFERENCE POINTS AND ALL SURVEY STAKES, AND SHALL BEAR ALL EXPENSE FOR REPLACEMENT AND/OR ERRORS CAUSED BY THEIR UNNECESSARY LOSS OR DISTURBANCE.
- CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER, ENGINEER AND THE CITY HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPT LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.
- DELETED
- THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY FIELD CHANGES MADE WITHOUT WRITTEN AUTHORIZATION FROM THE CITY ENGINEER.
- THE CONTRACTOR SHALL PROVIDE ALL LIGHTS, SIGNS, BARRICADES, FLAGMAN OR OTHER DEVICES NECESSARY FOR PUBLIC SAFETY IN ACCORDANCE WITH THE CURRENT ISSUE OF "MANUAL OF TRAFFIC CONTROLS, WARNING SIGNS, LIGHTS AND DEVICES FOR USE IN PERFORMANCE OF WORK UPON HIGHWAY" PUBLISHED BY THE STATE OF CALIFORNIA BUSINESS AND TRANSPORTATION AGENCY.
- THE CONTRACTOR SHALL ATTEND A PRE-CONSTRUCTION MEETING WITH THE CITY OF STOCKTON PRIOR TO ISSUANCE OF AN ENCROACHMENT PERMIT AND/OR A CITY OF STOCKTON GRADING AND EROSION CONTROL PERMIT. THE CITY INSPECTOR WILL SCHEDULE THE PRE-CONSTRUCTION MEETING APPROXIMATELY 2 WEEKS AFTER COUNCIL AWARD OF CONTRACT.
- P. G. & E., TELEPHONE AND CABLE TV UNDERGROUND WORK SHALL BE COMPLETED PRIOR TO CONSTRUCTION OF THE CURB, GUTTER, SIDEWALK AND PAVING.
- THE CITY OF STOCKTON OR ASSOCIATED UTILITY COMPANY AND RESIDENCES TO BE AFFECTED SHALL BE NOTIFIED IMMEDIATELY UPON ANY UTILITY SERVICE DISRUPTION OTHER THAN SPECIFIED ON THESE IMPROVEMENT PLANS AND A 24 HOUR NOTICE SHALL BE GIVEN FOR ANY PLANNED DISRUPTION.
- THE CONTRACTOR SHALL OBTAIN AN ENCROACHMENT PERMIT FROM THE CITY OF STOCKTON, DEPARTMENT OF PUBLIC WORKS OR ANY OTHER APPLICABLE AGENCIES PRIOR TO COMMENCEMENT OF WORK WITHIN EXISTING CITY RIGHT-OF-WAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMITS AND LICENSES REQUIRED FOR THE CONSTRUCTION AND COMPLETION OF THE PROJECT.
- DELETED
- ASPHALT CONCRETE SHALL BE PLACED ONLY WHEN THE ATMOSPHERIC TEMPERATURE IS ABOVE 50°.
- CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF THE REMOVAL OR RELOCATION OF ALL EXISTING UTILITIES WITH RESPECTIVE UTILITY COMPANIES.
- DELETED
- DETAIL DRAWING NUMBERS SHOWN ON THE PLANS REFER TO DRAWINGS CONTAINED IN THE CITY OF STOCKTON STANDARD SPECIFICATIONS, THUS: (I.E. DWG. NO.55).
- 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 ANY EXCAVATION WORK BY CALLING THE TOLL-FREE NUMBER (800) 227-2600. THE CONTRACTOR SHALL RECORD THE U.S.A. ORDER NUMBER AND FURNISH ORDER NUMBER TO OWNER PRIOR TO ANY EXCAVATION. IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO PROTECT ALL EXISTING UTILITIES SO THAT NO DAMAGE RESULTS TO THEM DURING THE PERFORMANCE OF THIS CONTRACT. ANY REPAIRS NECESSARY TO DAMAGED UTILITIES SHALL BE PAID FOR BY THE CONTRACTOR. THE CONTRACTOR SHALL BE REQUIRED TO COOPERATE WITH OTHER CONTRACTORS AND UTILITY COMPANIES INSTALLING NEW STRUCTURES, UTILITIES AND SERVICE TO THE DEVELOPMENT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXISTING IMPROVEMENTS FROM DAMAGE. COST OF REPLACING EXISTING IMPROVEMENTS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEMS REQUIRING REMOVAL AND REPLACEMENT OF EXISTING IMPROVEMENTS.
- WHENEVER EXISTING PAVEMENT IS BROKEN OR CUT IN THE INSTALLATION OF THE WORK COVERED BY THESE SPECIFICATIONS, THE PAVEMENT SHALL BE REPLACED, AFTER PROPER BACKFILLING, WITH PAVEMENT MATERIALS EQUAL TO OR BETTER THAN THE MATERIALS USED IN THE ORIGINAL PAVING. THE FINISHED PAVEMENT SHALL BE SUBJECT TO THE APPROVAL OF THE CITY REPRESENTATIVE.
- PAYMENT FOR REPLACEMENT OF PAVEMENT WHICH IS BROKEN OR CUT DURING THE INSTALLATION OF THE WORK COVERED BY THESE SPECIFICATIONS, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. NO ADDITIONAL PAYMENT SHALL BE MADE FOR SUCH WORK.
- EXCAVATIONS OF 5 FEET OR MORE IN DEPTH WILL REQUIRE AN EXCAVATION PERMIT FROM THE STATE OF CALIFORNIA DEPARTMENT OF INDUSTRIAL SAFETY. FOR TRENCHES 5 FEET OR MORE IN DEPTH, THE CONTRACTOR SHALL COMPLY WITH SECTION 5-1.02A OF THE CALTRANS STANDARDS, CHAPTER 9 OF THE STATE OF CALIFORNIA LABOR CODE, AND ANY LOCAL CODES OR ORDINANCES.
- WE CALL YOUR ATTENTION TO TITLE 8 CALIFORNIA ADMINISTRATION CODE SECTION 1540 (A) (1) OF THE CONSTRUCTION SAFETY ORDERS ISSUED BY THE OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD PURSUANT TO THE CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH ACT OF 1973 AS AMENDED WHICH STATES: (1) PRIOR TO OPENING AN EXCAVATION EFFORT SHALL BE MADE TO DETERMINE WHETHER UNDERGROUND INSTALLATIONS, I.E. SEWER, WATER, FUEL, ELECTRICAL LINES, ETC., WILL BE ENCOUNTERED AND IF SO, WHERE SUCH UNDERGROUND INSTALLATIONS ARE LOCATED. WHEN THE EXCAVATION APPROACHES THE APPROXIMATE LOCATION OF SUCH INSTALLATION, THE EXACT LOCATION SHALL BE DETERMINED BY CAREFUL PROBING OR HAND DIGGING; AND, WHEN IT IS UNCOVERED, ADEQUATE PROTECTION SHALL BE PROVIDED FOR THE EXISTING INSTALLATION. ALL KNOWN OWNERS OF UNDERGROUND FACILITIES IN THE AREA CONCERNED SHALL BE ADVISED OF PROPOSED WORK AT LEAST 48 HOURS PRIOR TO THE START OF ACTUAL EXCAVATION.
- ALL TRENCHES ON MAJOR AND COLLECTOR STREETS AND CROSS TRENCHES ON ALL STREETS SHALL BE PAVED WITH TEMPORARY PAVING THE SAME DAY THE PAVEMENT CUT IS MADE.
- APPROPRIATE DUST CONTROL SHALL BE PROVIDED, AT THE CONTRACTOR'S EXPENSE TO MINIMIZE ANY DUST NUISANCE AND SHALL BE IN ACCORDANCE WITH SECTION 10 OF CALTRANS STANDARD SPECIFICATIONS AND THE REQUIREMENTS OF THE CITY OF STOCKTON AND THE APPROVED SWPPP.

- THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER, PRIOR TO FINAL ACCEPTANCE, AS-BUILT DRAWINGS OF ALL IMPROVEMENTS REPRESENTED BY THE PROJECT PLANS AND SPECIFICATIONS.
- AFTER CONSTRUCTION OF ALL IMPROVEMENTS, THE ENGINEER SHALL SUBMIT ONE SET OF REPRODUCIBLE "AS-BUILT" PLANS. FINAL INVERT ELEVATIONS FOR SEWER AND STORM DRAIN LINES THAT ARE TO BE EXTENDED FOR FUTURE CONSTRUCTION SHALL ALSO BE SHOWN ON THE "AS-BUILT" PLANS ALL AS PROVIDED TO THE ENGINEER BY THE CONTRACTOR.
- THE CONTRACTOR SHALL NOTIFY M.C.R. ENGINEERING AT LEAST 48 HOURS PRIOR TO BACKFILLING OF ANY PIPE WHICH STUBS TO A FUTURE PHASE OF CONSTRUCTION FOR INVERT VERIFICATION. TOLERANCE SHALL BE IN ACCORDANCE WITH THE CITY OF STOCKTON STANDARD SPECIFICATIONS.
- CONTRACTOR SHALL PROVIDE CITY WITH A CERTIFICATE SIGNED BY A REGISTERED CIVIL ENGINEER STATING THAT ALL IMPROVEMENTS ARE IN ACCORDANCE WITH THE APPROVED PLAN.
- 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 (SWPPP) AS APPROVED BY THE CITY'S STORMWATER DIVISION.
- IN ADDITION TO ALL OF THE OTHER REQUIRED PERMITS, THE CONTRACTOR SHALL HAVE A GRADING AND EROSION CONTROL PERMIT COMPLETE WITH AN APPROVED SWPPP.
- THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE STATE WATER RESOURCES CONTROL BOARD (SWRCB) ORDER NO. 89-08-DWD, NPDES GENERAL PERMIT NO. CAS000002. THE CONTRACTOR SHALL IMPLEMENT AND MONITOR A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IN ACCORDANCE WITH THE SWRCB REGULATIONS.
- BENCHMARK: #359
ERM 246 IS A SAN JOAQUIN COUNTY BM (BRASS DISK WITH NO DESIGNATION) SET IN NW CORNER OF BRIDGE DECK OF MCALLEN RD BRIDGE OVER CALAVERAS RIVER LOCATED WESTERLY ALONG MCALLEN 0.46 MI FROM H. WILSON WAY AT THE BEGINNING OF RIVER RD IN NE STOCKTON.
ELEVATION: 31.80
- THE CONTRACTOR SHALL REVIEW SITE PRIOR TO BIDDING. ALL VEGETATION AND DELETERIOUS MATERIALS SHALL BE REMOVED FROM THE SITE AT THE EXPENSE OF THE CONTRACTOR AND SHALL BE INCLUDED IN THE LUMP SUM CLEARING COST.
- THE CONTRACTOR SHALL PRESERVE ALL STAKES AND POINTS SET FOR LINES, GRADES OR MEASUREMENT OF THE WORK IN THEIR PROPER PLACES UNTIL AUTHORIZED TO REMOVE THEM BY THE ENGINEER. ALL EXPENSES INCURRED IN REPLACING STAKES THAT HAVE BEEN REMOVED WITHOUT PROPER AUTHORITY SHALL BE PAID FOR BY THE GENERAL CONTRACTOR.
- A PERMIT SHALL BE OBTAINED FROM THE MUNICIPAL UTILITIES DEPARTMENT FOR CONSTRUCTION WATER FROM A FIRE HYDRANT. THE PERMIT SHALL BE APPROVED BY THE FIRE DEPARTMENT. THE CONTRACTOR SHALL INCLUDE THIS PERMIT AT NO ADDITIONAL COST.

STORM DRAIN NOTES:

- ALL STORM DRAIN CONSTRUCTION AND MATERIALS, SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CITY OF STOCKTON PUBLIC WORKS DEPARTMENT STANDARD PLANS AND SPECIFICATIONS AND THE APPROVED SWPPP.
- THE CONTRACTOR SHALL PROVIDE ALL LIGHTS, SIGNS, BARRICADES, FLAGMEN OR OTHER DEVICES NECESSARY FOR PUBLIC SAFETY.
- THE CONTRACTOR SHALL PROVIDE ALL SHORING, BRACING, SLOPING OR OTHER PROVISIONS FOR EXCAVATION AREAS TO BE EXCAVATED TO A DEPTH OF 5 FEET OR MORE. SAID PROTECTION TO BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CITY OF STOCKTON DEPARTMENT OF PUBLIC WORKS, AND STATE REGULATIONS.
- DELETED
- THE CONTRACTOR SHALL EXPOSE ALL EXISTING STORM DRAIN PIPES, WHERE A CONNECTION IS TO BE MADE, AND NOTIFY THE ENGINEER IF THERE IS A DISCREPANCY BETWEEN THE SIGNED PLANS AND THE EXISTING FIELD CONDITION PRIOR TO THE START OF CONSTRUCTION.
- CONTRACTOR TO BE RESPONSIBLE FOR ALL TESTING OF STORM DRAIN FACILITIES IN ACCORDANCE WITH THE CITY OF STOCKTON'S STANDARD SPECIFICATIONS AND PLANS.
- ALL STORM DRAIN LINES SHALL BE CLEARED OF ALL SAND AND DEBRIS PRIOR TO ACCEPTANCE BY THE CITY OF STOCKTON.

GRADING NOTES:

- EARTHWORK SHALL BE PERFORMED IN ACCORDANCE WITH THE CITY OF STOCKTON STANDARDS, AND THE APPROVED SWPPP PLAN AND BOOKLET. ALL FILL AREAS SHALL BE TESTED AS REQUIRED BY THE CITY OF STOCKTON, AND SHALL BE PAID FOR BY THE CONTRACTOR.
- THE CITY SHALL BE RESPONSIBLE FOR COST OF INITIAL TEST FOR MOISTURE DENSITY CURVE. IF THE FIRST TEST FAILS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR COST OF ALL SUBSEQUENT CURVES AND TESTS.
- AFTER ROUGH GRADING EXCESS EARTH GENERATED FROM UNDERGROUND INSTALLATION AND ROADWAY GRADING SHALL BE PLACED ON THE SOCCER FIELD AS DIRECTED BY THE ENGINEER.
- DELETED
- STACKPILES OF EXISTING DELETERIOUS MATERIAL SHALL BE DISPOSED OF UNDER THE DIRECTION AND SUPERVISION OF THE OWNER AND OWNER'S SOIL ENGINEER.
- WALL GRADES AND STEP LOCATIONS PER LANDSCAPE ARCHITECTURAL PLANS.

DEWATERING NOTES:

- THE CONTRACTOR SHALL FURNISH, INSTALL, OPERATE AND MAINTAIN ALL MACHINERY, APPLIANCES, AND EQUIPMENT TO MAINTAIN ALL EXCAVATIONS FREE FROM WATER DURING CONSTRUCTION. THE CONTRACTOR SHALL DISPOSE OF THE WATER SO AS NOT TO CAUSE DAMAGE TO PUBLIC, OR PRIVATE PROPERTY, OR THE APPROVED SWPPP OR TO CAUSE A NUISANCE OR MENACE TO THE PUBLIC OR VIOLATE THE LAW. THE DEWATERING SYSTEM SHALL BE INSTALLED AND OPERATED SO THAT THE GROUNDWATER LEVEL OUTSIDE THE EXCAVATION IS NOT REDUCED TO THE EXTENT WHICH WOULD CAUSE DAMAGE OR ENDANGERED ADJACENT STRUCTURES OR PROPERTY. ALL COST FOR DEWATERING SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ALL PIPE CONSTRUCTION. THE STATIC WATER LEVEL SHALL BE DRAWN DOWN A MINIMUM OF 1 FOOT BELOW THE BOTTOM OF EXCAVATIONS TO MAINTAIN THE UNDISTURBED STATE OF NATURAL SOILS AND ALLOW THE PLACEMENT OF ANY FILL TO THE SPECIFIED DENSITY. THE CONTRACTOR SHALL HAVE ON HAND, PUMPING EQUIPMENT AND MACHINERY IN GOOD WORKING CONDITION FOR EMERGENCIES AND SHALL HAVE WORKMEN AVAILABLE FOR ITS OPERATION. DEWATERING SYSTEMS SHALL OPERATE CONTINUOUSLY UNTIL BACKFILL HAS BEEN COMPLETED TO 1 FOOT ABOVE THE NORMAL STATIC GROUNDWATER LEVEL.
- THE CONTRACTOR SHALL CONTROL SURFACE WATER TO PREVENT ENTRY INTO EXCAVATIONS. AT EACH EXCAVATION, SURFACE NUMBER OF TEMPORARY OBSERVATION WELLS TO CONTINUOUSLY CHECK THE GROUNDWATER LEVEL SHALL BE PROVIDED.
- SUMPS SHALL BE NO DEEPER THAN 5 FEET AND SHALL BE AT THE LOW POINT OF EXCAVATION. EXCAVATION SHALL BE GRADED TO DRAIN TO THE SUMPS.

- THE CONTROL OF GROUNDWATER SHALL BE SUCH THAT SOFTENING OF THE BOTTOM OF EXCAVATIONS, OR FORMATION OF "POUCH" CONDITIONS OR "BOILS" DOES NOT OCCUR. DEWATERING SYSTEMS SHALL BE DESIGNED AND OPERATED SO AS TO PREVENT REMOVAL OF THE NATURAL SOILS. THE RELEASE OF GROUNDWATER AT ITS STATIC LEVEL SHALL BE PERFORMED IN SUCH A MANNER AS TO MAINTAIN THE UNDISTURBED STATE OF THE NATURAL FOUNDATION SOILS, PREVENT DISTURBANCE OF COMPACTED BACKFILL, AND PREVENT FLOATION OR MOVEMENT OF STRUCTURES, PIPELINES AND SEWERS. IF AN NPDES (NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM) PERMIT IS REQUIRED FOR DISPOSAL OF WATER FROM CONSTRUCTION DEWATERING ACTIVITIES, IT SHALL BE OBTAINED BY THE CONTRACTOR PRIOR TO ANY DEWATERING ACTIVITIES.
- ONE HUNDRED PERCENT STANDBY PUMPING CAPACITY SHALL BE AVAILABLE ON SITE AT ALL TIMES AND SHALL BE CONNECTED TO THE DEWATERING SYSTEM PIPING TO PERMIT IMMEDIATE USE. IN ADDITION, STANDBY AUXILIARY EQUIPMENT AND APPLIANCES FOR ALL ORDINARY EMERGENCIES, AND COMPETENT WORKMEN FOR OPERATION AND MAINTENANCE OF ALL DEWATERING EQUIPMENT SHALL BE ON SITE AT ALL TIMES. STANDBY EQUIPMENT SHALL INCLUDE EMERGENCY POWER GENERATION AND AUTOMATIC SWITCH OVER TO THE EMERGENCY GENERATOR WHEN NORMAL POWER FAILS. DEWATERING SYSTEMS SHALL NOT BE SHUT DOWN BETWEEN SHIFTS, ON HOLIDAYS, ON WEEKENDS, OR DURING WORK STOPPAGES.
- THE CONTRACTOR SHALL USE A SEDIMENTATION BASIN OR TANK TO REMOVE SEDIMENT FROM THE DEWATERING WATERS PRIOR TO DISCHARGE.

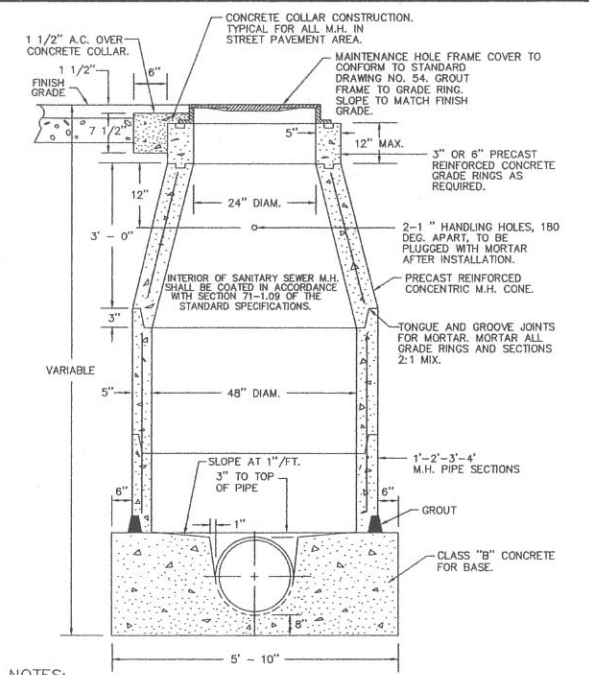
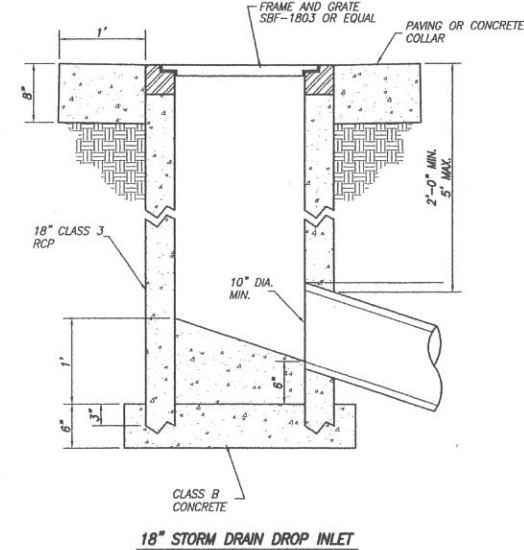
NOTE:
THE CITY OF STOCKTON BUILDING OFFICIAL HAS INDICATED THAT PER SEC. 13-301(A) OF THE STOCKTON MUNICIPAL CODE, A BUILDING PERMIT SHALL BE REQUIRED VIA THE BUILDING PERMIT PROCESS FOR THE INSTALLATION OF PARK LIGHT SYSTEM (ELECTRICAL PERMIT). FURTHER, SAID INSTALLATION(S) SHALL BE INSPECTED BY A CITY OF STOCKTON BUILDING OFFICIAL. THE CONTRACTOR SHALL OBTAIN THE REQUIRED PERMITS FOR THE CONSTRUCTION OF ANY COVERED SHELTERS ON-SITE. THE CONTRACTOR SHALL PROVIDE A LETTER FROM THE PLAY EQUIPMENT MANUFACTURER STATING THAT ALL EQUIPMENT AND DESIGN COMPLIES WITH CPSC AND ASTM GUIDELINES FOR SAFETY. THE CONTRACTOR SHALL HAVE THE INSTALLATION INSPECTED BY A CERTIFIED PLAYGROUND SAFETY INSPECTOR WHO WILL PROVIDE A LETTER TO THE CITY OF STOCKTON STATING THE PLAYGROUND INSTALLATION MEETS ALL SAFETY REQUIREMENTS.

LEGEND

	EXISTING	PROPOSED	FUTURE
WATER VALVE			
FIRE HYDRANT			
CATCH BASIN (STREET)		N/A	
DROP INLET (PARK)			
STANDARD MAINTENANCE HOLE			
WATER LINE			
SANITARY SEWER			
STORM DRAIN			
TYPICAL SIGNAGE			
SURVEY MONUMENT			
UTILITY BOX			N/A
DIRECTION OF FLOW			
TOP OF CURB ELEVATION			
ORIGINAL GROUND		N/A	
1' CONTOURS			N/A
CURB, GUTTER AND SIDEWALK			
TYPICAL RETURN WITH HANDICAP RAMP			
STORM DRAIN MANHOLE NUMBER			
4' HIGH HANDRAIL	N/A		N/A

ABBREVIATIONS

ABRV.	DESC.	ABRV.	DESC.
AT	AGGREGATE BASE	MH	MAINTENANCE HOLE
AC	ASPHALT CONCRETE	MIN	MINIMUM
ANG.	ANGLE	N	NORTH
AP	ANGLE POINT	NTS	NOT TO SCALE
BC	BEGIN CURVE	OG	ORIGINAL GROUND / GRADE
BDRY	BOUNDARY	P	PAVEMENT
BSL	BUILDING SET BACKLINE	PP	POWER POLE
BVC	BEGIN VERTICAL CURVE	PL	PROPERTY LINE
C & G	CURB AND GUTTER	PRC	POINT OF REVERSE CURVATURE
CP	CAST IN PLACE	PT	POINT
C	CENTER LINE	PUE	PUBLIC UTILITY EASEMENT
CO	CLEAN OUT	PVC	POLYVINYL CHLORIDE PIPE
CONC	CONCRETE	RCR	REINFORCED CONCRETE PIPE
C.O.S.	CITY OF STOCKTON	RET	RETURN
CB	CATCH BASIN	R	RADIUS
DA	DIA	RV	RESISTANCE VALVE
DIP	DUCTILE IRON PIPE	R/W	RIGHT-OF-WAY
DW	DRAIN OR STORM DRAIN	SNS	STREET NAME SIGN
D OR SD	DRAIN OR STORM DRAIN	STA	STATION
EC	ELEVATION	STD	STANDARD
ELEV	ELEVATION	S/W	SIDEWALK
EP	EDGE OF PAVEMENT	S	SEWER
ESMT	EASEMENT	SS	SANITARY SEWER
EVC	END OF VERTICAL CURVE	TC	TOP OF CURB
EX OR EXST	EXISTING	TEMP	TEMPORARY
FH	FIRE HYDRANT	TO	TOP OF GRATE
FL	FLOW LINE	TRU	THROUGH
GB	GRADE BREAK	TI	TRAFFIC INDEX
HORIZ	HORIZONTAL	TRF	TOP OF WALL
HP	HIGH POINT	TPE	TREE PLANTING EASEMENT
HPS	HIGH PRESSURE SODIUM	TYP.	TYPICAL
INV	INVERT	VERT	VERTICAL
IRR	IRRIGATION	VCP	VITRIFIED CLAY PIPE
LF	LINEAL FEET OR LINEAR FEET	WS	WATER SERVICE
LP	LOW POINT	W	WATER
MAX	MAXIMUM	±	PLUS OR MINUS (NOT EXCT)



NOTES:
1. PRECAST CONCRETE M.H. UNITS SHALL CONFORM TO A.S.T.M. C-478.
2. CONSTRUCT PIPE STUB JOINT, 2 FEET MINIMUM FROM BASE OF M.H. ATTACH PIPE WITH FLEXIBLE RUBBER COUPLING.
3. PRIOR APPROVAL MUST BE OBTAINED BEFORE INSTALLING MORE THAN 12" OF GRADE RINGS.
4. FOR TYPICAL PIPE INTERSECTION DETAIL SEE DRAWING NO. 78.
**** THE CITY OF STOCKTON EXPECTS THIS DRAWING WILL BE REPLACED BY THE COUNTYWIDE STANDARD (CW-S7), AFTER IT IS ACCEPTED BY THE C.O.S.

REV. NO.	REV. DATE	REV. BY	TYPE 1 MAINTENANCE HOLE FOR PIPES 33" DIAMETER OR SMALLER	APPROVED BY CITY ENGINEER
2	2/23/95	KB/DE		
DRAWN BY	RC	SCALE	CITY OF STOCKTON DEPARTMENT OF PUBLIC WORKS	DRAWING NO. 55
CHK. BY	NONE			



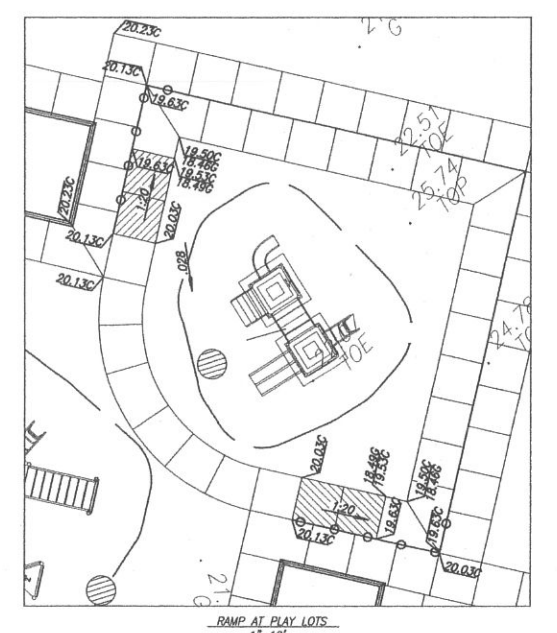
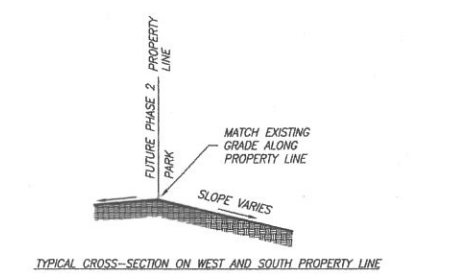
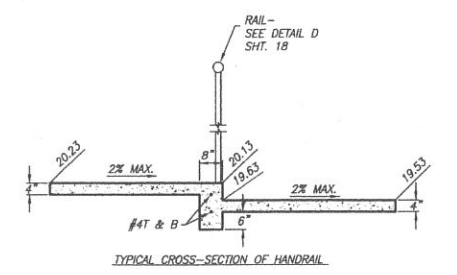
**S.L. FONG PARK
NOTE SHEET**

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE: NO SCALE	APPROVED BY:	SHEET NO. 1
DESIGNED BY:	<i>S.L. Fong</i>	OF 24 SHEETS
DRAWN BY:	CITY ENGINEER	PROJECT NO.
CHECKED BY:	STOCKTON, CA	
RECORD DWG:	DATE: 11/8/90	

MCR Engineering, Inc.
PLANNING • ENGINEERING • SURVEYING
322 Sun West Place • Manteca, California 95337
12001 230-6229 FAX 12001 230-9830

REVISION NO.	DESCRIPTION	DATE	BY	APPROVED BY



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S.L. FONG PARK
GRADING PLAN

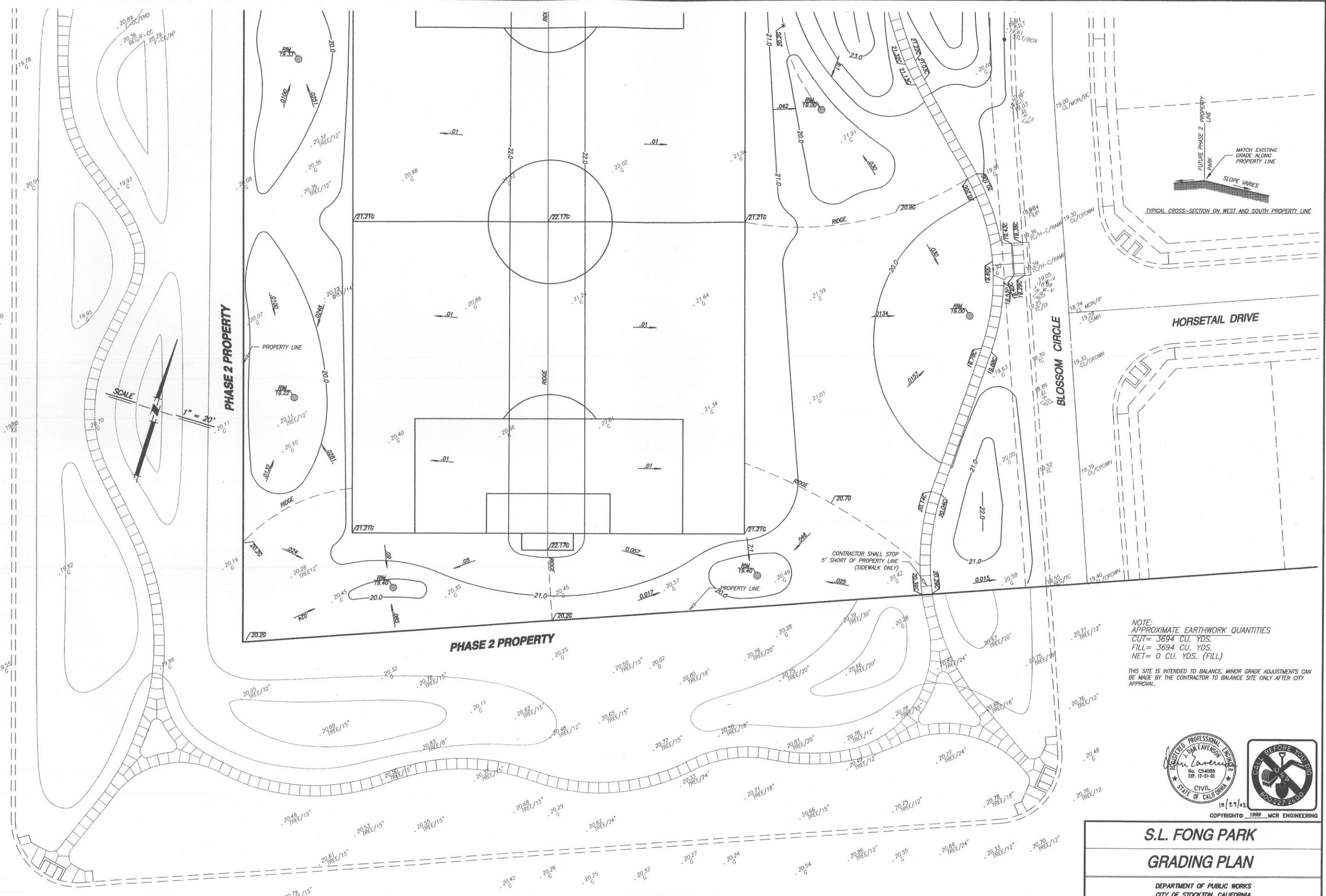
DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

APPROVED BY: *S. Fong*
DESIGNED BY:
DRAWN BY:
CHECKED BY:
RECORD DWG:
DATE: OCTOBER, 2002

SHEET NO. **2**
OF 24 SHEETS
PROJECT NO.

MCR Engineering, Inc.
PLANNING • ENGINEERING • SURVEYING
322 San West Place • Manteca, California 95337
(209) 239-6229 FAX (209) 239-6839

REVISION NO.	DESCRIPTION	DATE	BY	APPROV. BY



CONTRACTOR SHALL STOP
5' SHORT OF PROPERTY LINE
(SIDEWALK ONLY)

NOTE:
APPROXIMATE EARTHWORK QUANTITIES
CUT= 3694 CU. YDS.
FILL= 3694 CU. YDS.
NET= 0 CU. YDS. (FILL)

THIS SITE IS INTENDED TO BALANCE, MINOR GRADE ADJUSTMENTS CAN
BE MADE BY THE CONTRACTOR TO BALANCE SITE ONLY AFTER CITY
APPROVAL.



10/21/02
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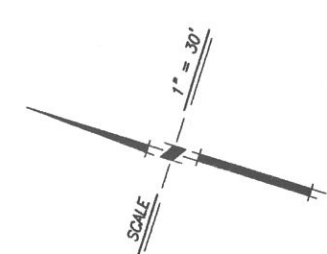
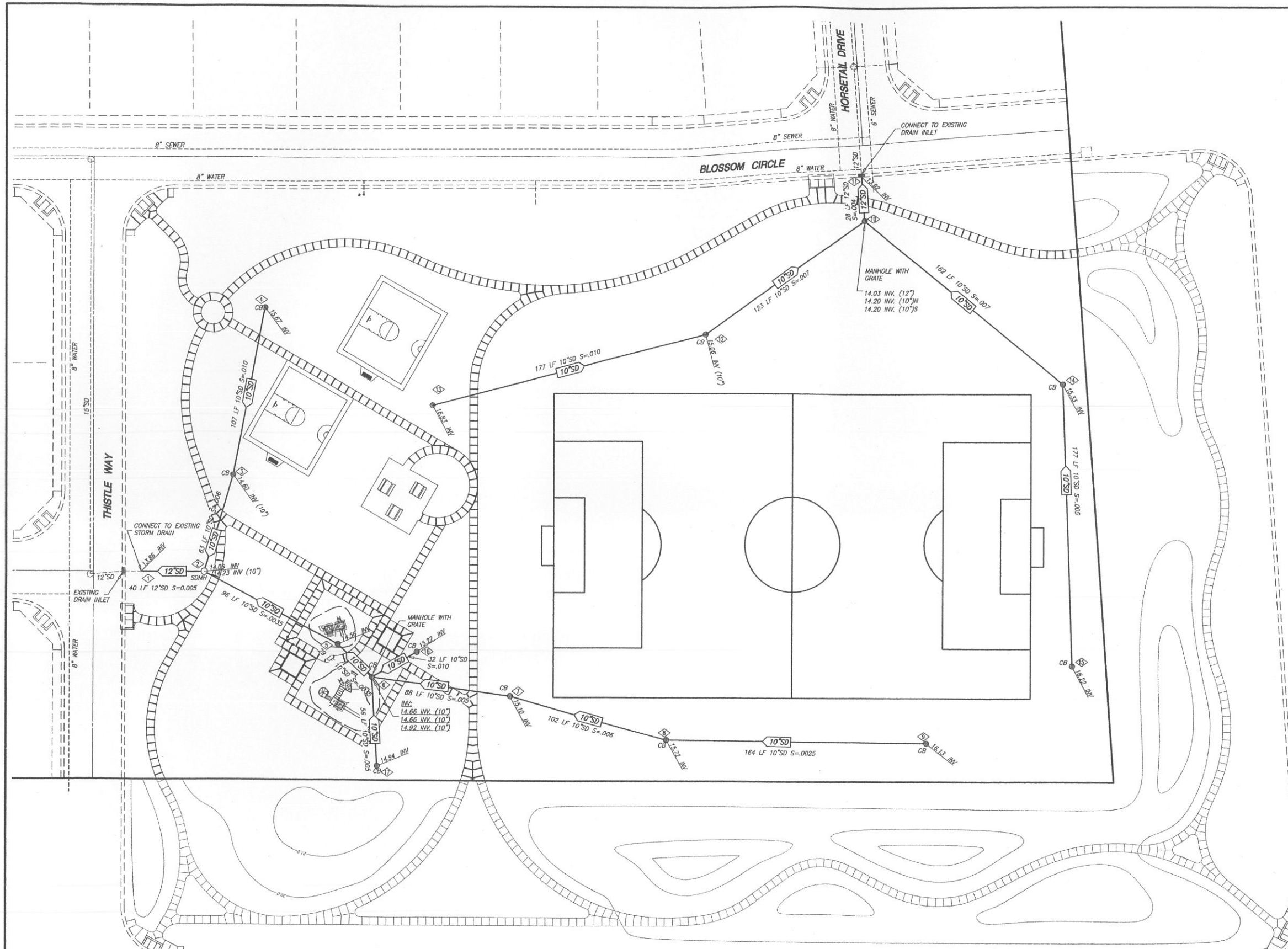
S.L. FONG PARK
GRADING PLAN

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

MCR Engineering, Inc.
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322 Sun West Place • Manteca, California 95337
(209) 239-8220 • FAX (209) 239-8830

REVISION NO.	DESCRIPTION	DATE	BY	APPROVED BY

SCALE: 1"=20'	APPROVED BY:	SHEET NO.
DESIGNED BY:	<i>William J. Oley</i>	3
DRAWN BY:	CITY ENGINEER	OF 24 SHEETS
CHECKED BY:	STOCKTON, CA	PROJECT NO.
RECORD DWR:	DATE: 11/1/02	
DATE: OCTOBER 2002		



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S.L. FONG PARK
UTILITY PLAN

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA



10/29/02

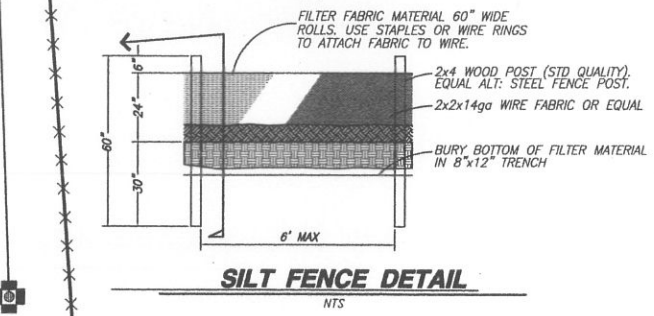
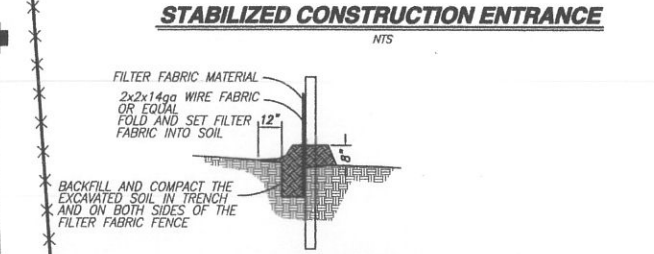
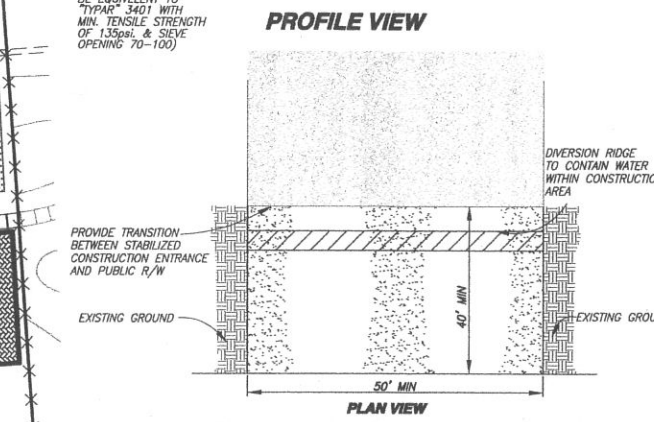
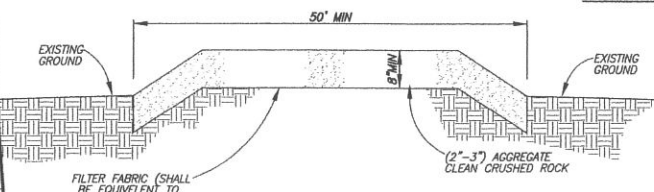
MCR Engineering, Inc.
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REVISION NO.	DESCRIPTION	DATE	BY	APPROVED BY

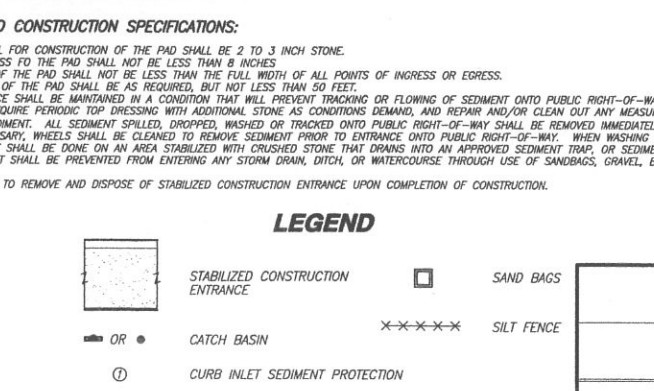
SCALE: 1"=30'	APPROVED BY:	SHEET NO.
DESIGNED BY:	<i>[Signature]</i>	4
DRAWN BY:		OF 24 SHEETS
CHECKED BY:	CITY ENGINEER	PROJECT NO.
RECORD DWG:	STOCKTON, CA	
DATE: OCTOBER, 2002	DATE: 10/10	

CONCRETE WASTE MANAGEMENT

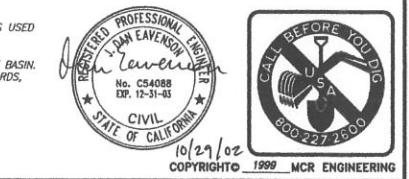
CONCRETE SLURRY WASTES
 PCG AND AC WASTE SHALL NOT BE ALLOWED TO ENTER STORM DRAINS OR WATERCOURSES.
 PCG AND AC WASTE SHALL BE COLLECTED AND DISPOSED OF OUTSIDE THE HIGHWAY RIGHT-OF-WAY IN CONFORMANCE WITH SECTION 7-1.13 OF STANDARD SPECIFICATIONS OR PLACED IN A TEMPORARY CONCRETE WASHOUT FACILITY.
 DISPOSAL OF HARDENED PCG AND AC WASTE SHALL BE IN CONFORMANCE WITH SECTION 15-3.02 OF THE STANDARD SPECIFICATIONS.
 A SIGN SHALL BE INSTALLED ADJACENT TO EACH TEMPORARY CONCRETE WASHOUT FACILITY TO INFORM CONCRETE EQUIPMENT OPERATORS TO UTILIZE THE PROPER FACILITIES.
 BELOW GRADE CONCRETE WASHOUT FACILITIES ARE TYPICAL. ABOVE GRADE FACILITIES ARE USED IF EXCAVATION IS NOT PRACTICAL.
 DO NOT ALLOW SLURRY RESIDUE FROM WET CORING OR SAW-CUTTING AC OR PCG TO ENTER STORM DRAINS OR RECEIVING WATERS BY:
 * PLACING TEMPORARY BARRIERS OR SANDBAGS AROUND CORING OR SAW-CUTTING LOCATIONS TO CAPTURE AND CONTAIN SLURRY RUNOFF.
 * PLACING SANDBAGS, OR GRAVEL DAMS AROUND INLETS TO PREVENT SLURRY FROM ENTERING STORM DRAINS.
 * WASH SLURRY RESIDUE AND DISPOSE IN A TEMPORARY PIT (AS DESCRIBED IN ON-SITE TEMPORARY CONCRETE WASHOUT FACILITY, CONCRETE TRUCK WASHOUT PROCEDURES, BELOW) AND ALLOW SLURRY TO DRY. DISPOSE OF DRY SLURRY RESIDUE IN ACCORDANCE WITH BMP 10-5, "SOLID WASTE MANAGEMENT", OR, FOR ON-SITE DISPOSAL, IN ACCORDANCE WITH STANDARD SPECIFICATION 15-3.02, REMOVAL METHODS.
 * COLLECT RESIDUE FROM GROUTING AND GROUTING OPERATIONS IN ACCORDANCE WITH STANDARD SPECIFICATIONS SECTION 42-1.02 AND 42-2.02, "CONSTRUCTION".
ON-SITE TEMPORARY CONCRETE WASHOUT FACILITY, TRUCK WASHOUT PROCEDURES
 TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE LOCATED A MINIMUM OF 15 M (50 FT.) FROM STORM DRAIN INLETS, OPEN DRAINAGE FACILITIES, AND WATERCOURSES, UNLESS DETERMINED UNDESIRABLE BY THE REG. EACH FACILITY SHALL BE LOCATED AWAY FROM CONSTRUCTION TRAFFIC OR ACCESS AREAS TO PREVENT OBSTRUCTION OR TRACKING.
 A SIGN SHALL BE INSTALLED ADJACENT TO EACH WASHOUT FACILITY TO INFORM CONCRETE EQUIPMENT OPERATORS TO UTILIZE THE PROPER FACILITIES. THE SIGN SHALL BE INSTALLED AS SHOWN ON THE PLANS AND IN CONFORMANCE WITH THE PROVISIONS IN SECTION 56-2, "ROADSIDE SIGNS", OF THE STANDARD SPECIFICATIONS.
 TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE CONSTRUCTED ABOVE GRADE OR BELOW GRADE AT THE OPTION OF THE CONTRACTOR. TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE CONSTRUCTED AND MAINTAINED IN SUFFICIENT QUANTITY AND SIZE TO CONTAIN ALL LIQUID AND CONCRETE WASTE GENERATED BY WASHOUT OPERATIONS.
 TEMPORARY WASHOUT FACILITIES SHALL HAVE A TEMPORARY PIT OR BERMED AREAS OF SUFFICIENT VOLUME TO COMPLETELY CONTAIN ALL LIQUID AND WASTE CONCRETE MATERIALS GENERATED DURING WASHOUT PROCEDURES.
 PERFORM WASHOUT OF CONCRETE TRUCKS IN DESIGNATED AREAS ONLY.
 ONCE CONCRETE WASTES ARE WASHED INTO THE DESIGNATED AREA AND ALLOWED TO HARDEN, THE CONCRETE SHALL BE BROKEN UP, REMOVED, AND DISPOSED OF PER BMP 10-5, "SOLID WASTE MANAGEMENT", AND IN CONFORMANCE WITH THE PROVISIONS IN SECTION 15-3.02, "REMOVAL METHODS", OF THE STANDARD SPECIFICATIONS. DISPOSAL OF HARDENED CONCRETE ON A REGULAR BASIS.
TEMPORARY CONCRETE WASHOUT FACILITY (TYPE ABOVE GRADE)
 * TEMPORARY CONCRETE WASHOUT FACILITY (TYPE ABOVE GRADE) SHALL BE CONSTRUCTED AS SHOWN ON THE PLANS, WITH A RECOMMENDED MINIMUM LENGTH AND MINIMUM WIDTH OF 3 M (10 FEET), BUT WITH SUFFICIENT QUANTITY AND VOLUME TO CONTAIN ALL LIQUID AND CONCRETE WASTE GENERATED BY WASHOUT OPERATIONS. THE LENGTH AND WIDTH OF A FACILITY MAY BE INCREASED, AT THE CONTRACTOR'S EXPENSE, UPON APPROVAL OF THE REG.
 * PLASTIC LINING MATERIAL SHALL BE A MINIMUM OF 60 MIL POLYETHYLENE SHEETING AND SHALL BE FREE OF HOLES, TEARS OR OTHER DEFECTS THAT COMPROMISE THE IMPERMEABILITY OF THE MATERIAL.
 * PORTABLE DELINEATORS SHALL CONFORM TO THE PROVISIONS IN SECTION 12-3.04, "PORTABLE DELINEATORS", OF THE STANDARD SPECIFICATIONS. THE DELINEATOR BASES SHALL BE CENTERED TO THE PREVENTION IN THE SAME MANNER AS PROVIDED FOR CENTERING PAVEMENT MARKINGS TO PAVEMENT IN SECTION 65-1.06, "PAVEMENT", OF THE STANDARD SPECIFICATIONS. PORTABLE DELINEATORS SHALL BE APPLIED ONLY TO A CLEAN, DRY SURFACE.
TEMPORARY CONCRETE WASHOUT FACILITY (TYPE BELOW GRADE)
 * TEMPORARY CONCRETE WASHOUT FACILITY (TYPE BELOW GRADE) SHALL BE CONSTRUCTED AS SHOWN ON THE PLANS, WITH A RECOMMENDED MINIMUM LENGTH AND MINIMUM WIDTH OF 3M (10 FT.). THE QUANTITY AND VOLUME SHALL BE SUFFICIENT TO CONTAIN ALL LIQUID AND CONCRETE WASTE GENERATED BY WASHOUT OPERATIONS. THE LENGTH AND WIDTH OF A FACILITY MAY BE INCREASED, AT THE CONTRACTOR'S EXPENSE, UPON APPROVAL OF THE REG. LATH AND FLAGGING SHALL BE COMMERCIAL TYPE.
REMOVAL OF TEMPORARY CONCRETE WASHOUT FACILITIES
 WHEN TEMPORARY CONCRETE WASHOUT FACILITIES ARE NO LONGER REQUIRED FOR THE WORK, AS DETERMINED BY THE REG, THE HARDENED CONCRETE SHALL BE REMOVED AND DISPOSED OF IN CONFORMANCE WITH THE PROVISIONS IN SECTION 15-3.02 OF THE STANDARD SPECIFICATIONS. MATERIALS USED TO CONSTRUCT TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BECOME THE PROPERTY OF THE CONTRACTOR. SHALL BE REMOVED FROM THE SITE OF THE WORK, AND SHALL BE DISPOSED OF OUTSIDE THE HIGHWAY RIGHT-OF-WAY IN CONFORMANCE WITH THE PROVISIONS IN SECTION 7-1.13 OF THE STANDARD SPECIFICATIONS.
 HOLES, DEPRESSIONS OR OTHER GROUND DISTURBANCE CAUSED BY THE REMOVAL OF THE TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE BACKFILLED AND REPAIRED IN CONFORMANCE WITH THE PROVISIONS IN SECTION 15-1.02, "PRESERVATION OF PROPERTY", OF THE STANDARD SPECIFICATIONS.
 THE CONTRACTOR'S WASTE POLLUTION CONTROL MANAGER (WPCM) SHALL MONITOR ON SITE CONCRETE WASTE STORAGE AND DISPOSAL PROCEDURES AT LEAST WEEKLY.
 THE WPCM SHALL MONITOR CONCRETE WORKING TASKS, SUCH AS SAW CUTTING, CORING, GRINDING AND GROUTING AT LEAST WEEKLY TO ENSURE PROPER METHODS ARE EMPLOYED.
 TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE MAINTAINED TO PROVIDE ADEQUATE HOLDING CAPACITY WITH A MINIMUM FREEDOM OF 4" FOR ABOVE GRADE FACILITIES AND 12" FOR BELOW GRADE FACILITIES. MAINTAINING TEMPORARY CONCRETE WASHOUT FACILITIES SHALL INCLUDE REMOVING AND DISPOSING OF HARDENED CONCRETE AND RETURNING THE FACILITIES TO A FUNCTIONAL CONDITION. HARDENED CONCRETE MATERIALS SHALL BE REMOVED AND DISPOSED OF IN CONFORMANCE WITH THE PROVISIONS IN SECTION 15-3.02, "REMOVAL METHODS", OF THE STANDARD SPECIFICATIONS.
 EXISTING FACILITIES MUST BE CLEANED, OR NEW FACILITIES MUST BE CONSTRUCTED AND READY FOR USE ONCE THE WASHOUT IS 75% FULL.



TEMPORARY STABILIZED CONSTRUCTION ENTRANCE
DESIGN AND CONSTRUCTION SPECIFICATIONS:
 1. THE MATERIAL FOR CONSTRUCTION OF THE PAD SHALL BE 2 TO 3 INCH STONE.
 2. THE THICKNESS OF THE PAD SHALL NOT BE LESS THAN 6 INCHES.
 3. THE WIDTH OF THE PAD SHALL NOT BE LESS THAN THE FULL WIDTH OF ALL POINTS OF INGRESS OR EGRESS.
 4. THE LENGTH OF THE PAD SHALL BE AS REQUIRED, BUT NOT LESS THAN 50 FEET.
 5. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND, AND REPAIR AND/OR CLEAN OUT ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT-OF-WAY SHALL BE REMOVED IMMEDIATELY.
 6. WHEN NECESSARY, WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP, OR SEDIMENT BASIN. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY STORM DRAIN, DITCH, OR WATERCOURSE THROUGH USE OF SANDBAGS, GRAVEL, BOARDS.
 7. CONTRACTOR TO REMOVE AND DISPOSE OF STABILIZED CONSTRUCTION ENTRANCE UPON COMPLETION OF CONSTRUCTION.



REVISION NO.	DESCRIPTION	DATE	BY	APPROVED BY



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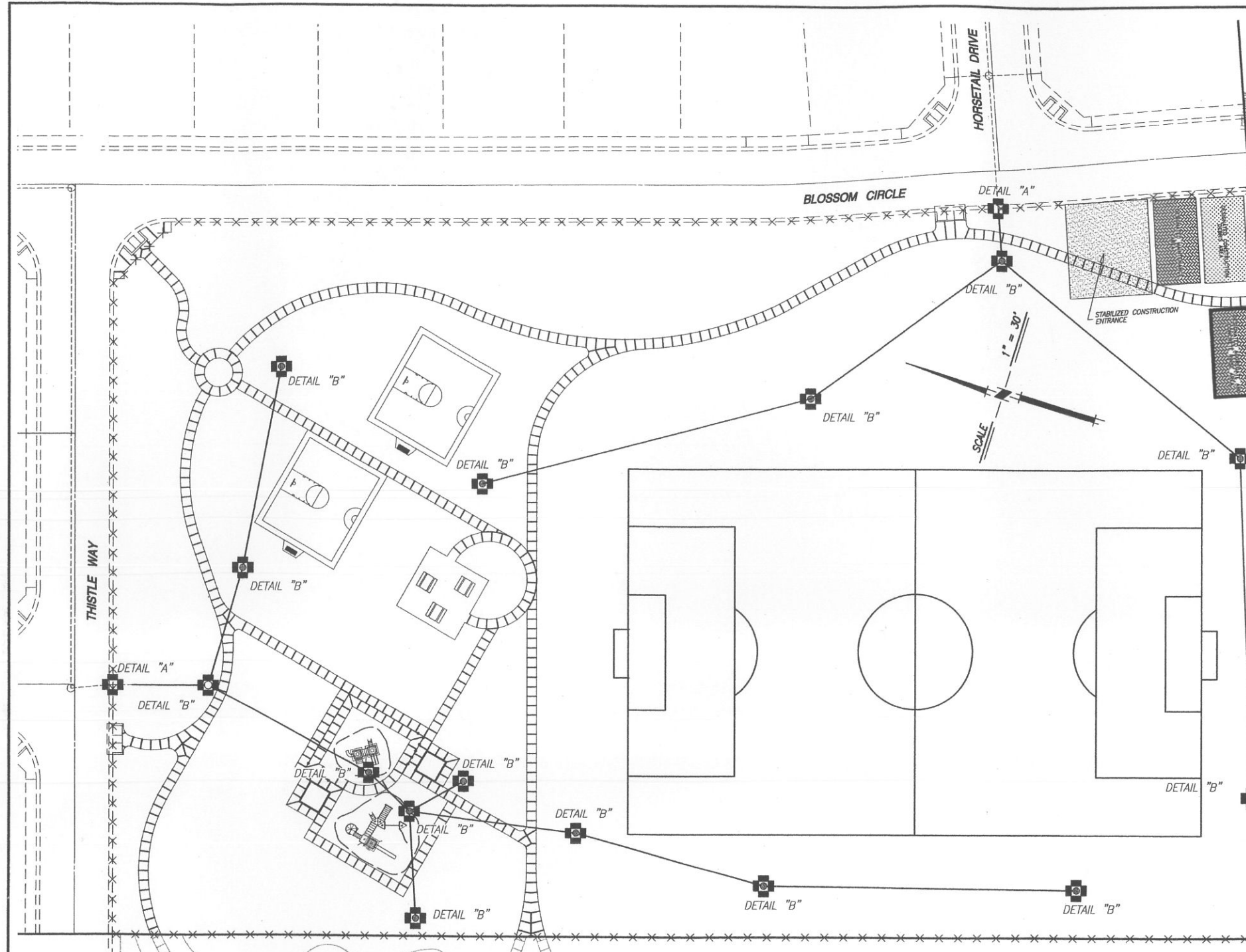
S.L. FONG PARK
S.W.P.P.P.

DEPARTMENT OF PUBLIC WORKS
 CITY OF STOCKTON, CALIFORNIA

SCALE: 1"=30'
 DESIGNED BY: [Signature]
 DRAWN BY: [Signature]
 CHECKED BY: [Signature]
 RECORD DWG: [Signature]
 DATE: OCTOBER, 2002

APPROVED BY: [Signature]
 CITY ENGINEER
 STOCKTON, CA
 DATE: 11/10/02

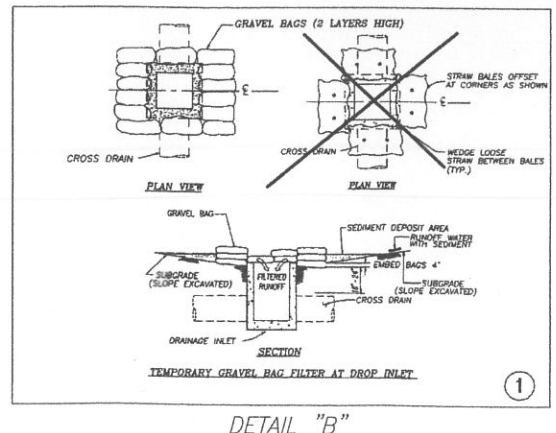
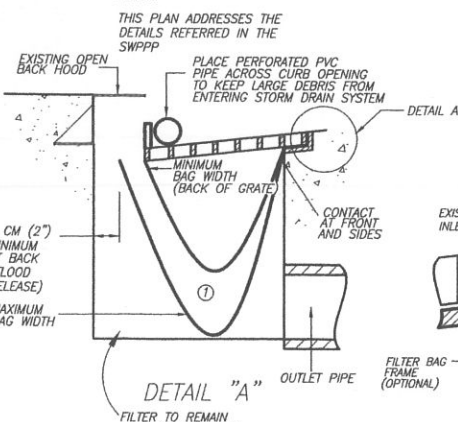
SHEET NO. 5
 OF 25 SHEETS
 PROJECT NO.



NOTE:
 THIS PLAN ADDRESSES THE DETAILS REFERRED IN THE SWPPP

NOTES

1. THE MAXIMUM DRAINAGE AREA PER FILTER BAG SHALL BE NO MORE THAN 0.8 HECTARES (2 ACRES).
2. THE FILTER BAG SHALL BE MANUFACTURED FROM UV RESISTANT POLYPROPYLENE NYLON, POLYESTER, OR ETHYLENE FABRIC WITH A MINIMUM TENSILE STRENGTH OF 50 LBS PER LINEAL FOOT. AN EQUIVALENT OPENING SIZE NOT GREATER THAN A 20 SIEVE AND WITH A MINIMUM FLOW RATE OF 40 GALLONS/MINUTE/SQ. FT.
3. THE FILTER BAG MAY BE SUSPENDED FROM OR HELD IN PLACE BY EXISTING INLET GRATE (OR OTHER APPROVED METHOD), PROVIDING NO MODIFICATION OR DAMAGE SHALL BE DONE TO THE INLET GRATE OR FRAME. THE INLET GRATE SHALL NOT BE CAUSED TO REST MORE THAN 1.3 CM (.5") ABOVE THE INLET FRAME (SEE DETAIL A).
4. THE FILTER BAG MAY EXTEND TO THE BOTTOM OF THE INLET BOX PROVIDED THE OUTLET PIPE IS UNOBSTRUCTED.
5. FLOWS SHALL NOT BE ALLOWED TO BYPASS THE BAG. THE BAG OR ITS FRAME SHALL CATCH FLOWS AT ALL SIDES OF THE INLET EXCEPT AS SHOWN FOR FLOOD RELEASE.
6. INLET FILTER BAGS SHALL BE INSPECTED WEEKLY AND AFTER EACH RAINFALL DURING THE WET SEASON AND MONTHLY DURING THE DRY SEASON. SEDIMENT AND DEBRIS SHALL BE REMOVED BEFORE ACCUMULATIONS HAVE REACHED ONE THIRD THE DEPTH OF THE BAG. BAGS SHALL BE REPAIRED OR REPLACED AS SOON AS DAMAGE OCCURS.



STORM DRAIN INLET FILTER BAG DETAIL

MCR Engineering, Inc.
 PLANNING • ENGINEERING • SURVEYING
 322 Sun West Place • Manteca, California 95337
 12091 239-6229 FAX 12091 239-9839

POINT OF BEGINNING NOTE
 LOCATE POINT OF BEGINNING AT
 INTERSECTION OF THE STREET CENTER
 LINES OF BLOSSOM CIRCLE AND
 PERPENDICULAR OF THISTLE WAY, 50'
 INCREMENTS

LAYOUT LEGEND	
(A)	INDICATES DETAIL NUMBER INDICATES SHEET NUMBER
R	RADIUS
CL	CENTERLINE
EQ.	EQUAL
+	RADIUS CENTER MARK
POB	POINT OF BEGINNING, AS INDICATED ON DRAWING.
—	SCORE JOINTS AS INDICATED
⊙	SITE LIGHTING. SEE ELECTRICAL PLANS, SHEETS 22 - 24.
☐	PICNIC TABLES AS MANUFACTURED BY: WABASH VALLEY SIGNATURE SERIES, MULTI-PEDESTAL, PH # 425.9371.4440 MODEL # 5612, COLOR TO BE DARK GREEN FOR POSTS AND BROWN FOR TABLE TOP. 8' ADA-ACCESSIBLE TABLE, IN-GROUND, INSTALL PER MANUFACTURER'S SPECIFICATIONS (SURFACE MOUNT).
○	CITY STANDARD TRASH RECEPTACLE AS MANUFACTURED BY: SOUTH BAY FOUNDRY INC. CONTACT GARY ROBINSON (204) 367-1140, INSTALL PER MANUFACTURER'S SPECIFICATIONS (SURFACE MOUNT).
☐	CITY STANDARD BENCHES PICNIC TABLES AS MANUFACTURED BY: SOUTH BAY FOUNDRY INC. CONTACT GARY ROBINSON (204) 367-1140, INSTALL PER MANUFACTURER'S SPECIFICATIONS (SURFACE MOUNT).
⊗	PICNIC SHELTER AS MANUFACTURED BY: POLIGON PARK ARCHITECTURE MODEL 5036. (800) 354-7121 COLOR TO BE POWDER COATED DARK GREEN FOR POSTS AND BROWN FOR ROOFING. ROOFING MATERIAL SHALL BE SHINGLES LAID OVER 2x6" TONGUE AND GROOVE FLANK.
⊙	DRINKING FOUNTAIN AS MANUFACTURED BY: MOST DEPENDABLE FOUNTAINS (800) 557-6331 MDF MODEL # 440-55DB HANDICAP ACCESSIBLE WITH JUG FILLER OPTION OR APPROVED EQUAL. COLOR TO BE DARK GREEN.
○	BASKETBALL STANDARD. FORM, MODEL #FT105, SEE SPECS AND DETAIL C, SHEET 15. NATURAL GRAY FINISH.
⊗	KISH VALLEY GRILL, MANUFACTURED BY LANDSCAPE STRUCTURES INC. AND DISTRIBUTED BY ROSS RECREATION EQUIPMENT (916) 983-3156. INSTALL PER MANUFACTURER'S SPECIFICATIONS.

SEE SHEET 8 FOR LAYOUT NOTES

Call Two Working Days Before You Dig!



LANDSCAPE ARCHITECTS & PLANNERS
 The HLA Group, Landscape Architects & Planners Inc.
 100 Third Street Suite 100 Sacramento, California 95811
 CRLA 1989 916/447-7406 FAX 916/447-0270

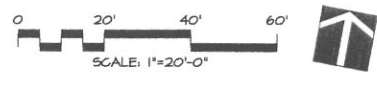
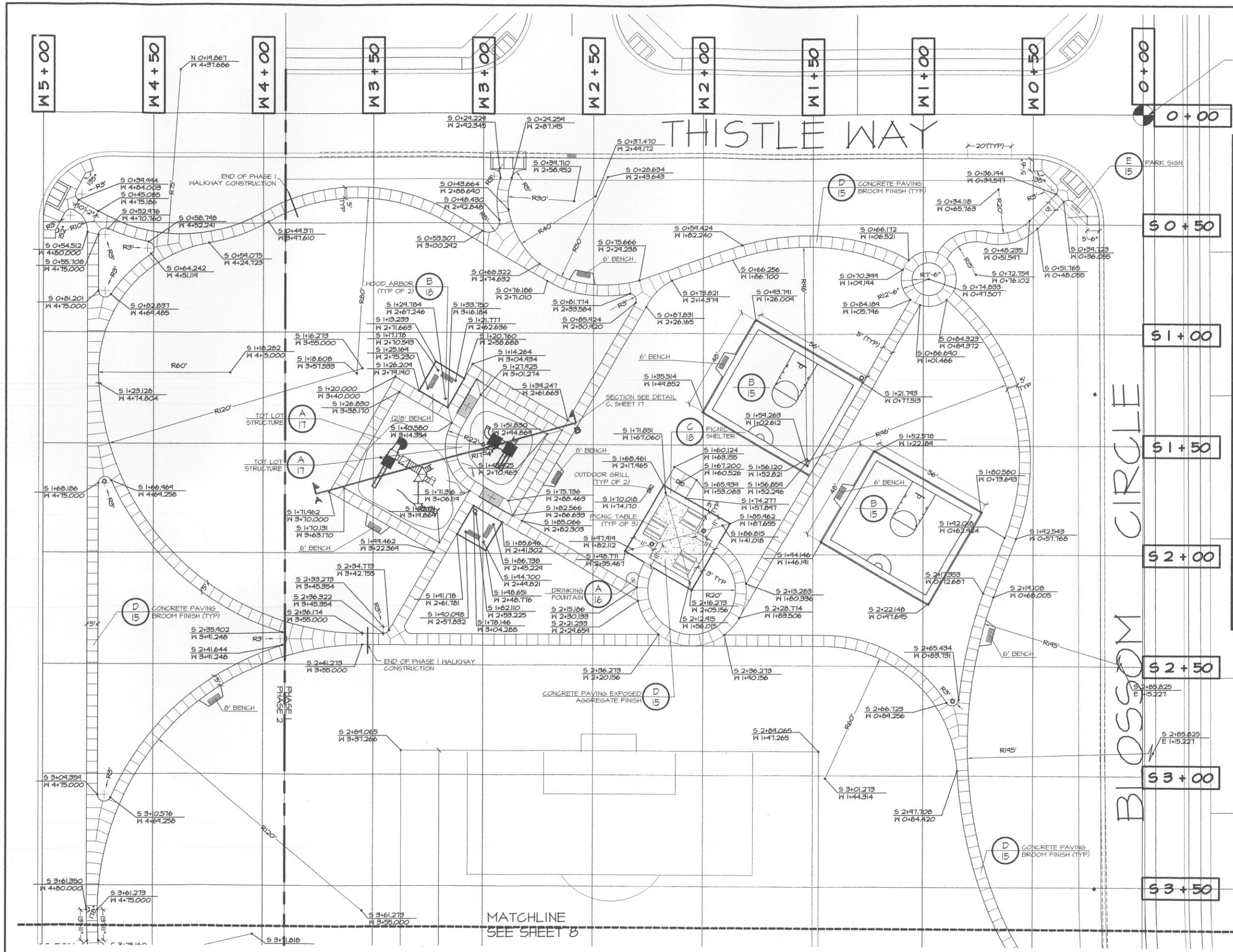
S.L. FONG PARK PHASE ONE
LAYOUT
 DEPARTMENT OF PUBLIC WORKS
 CITY OF STOCKTON, CALIFORNIA

REVISION NO.	DESCRIPTION	DATE	BY	APPROVED BY

SCALE: 1"=20'-0"
 DESIGNED BY: -VPM
 DRAWN BY: STAFF
 CHECKED BY: MGE
 RECORD DWS:
 DATE: OCTOBER 4TH 2002

APPROVED BY:
Robert D. Habitzel
 CITY ENGINEER
 STOCKTON, CA
 DATE: 11/14/02

SHEET NO. 7
 OF 24 SHEETS
 PROJECT NO. 01-29

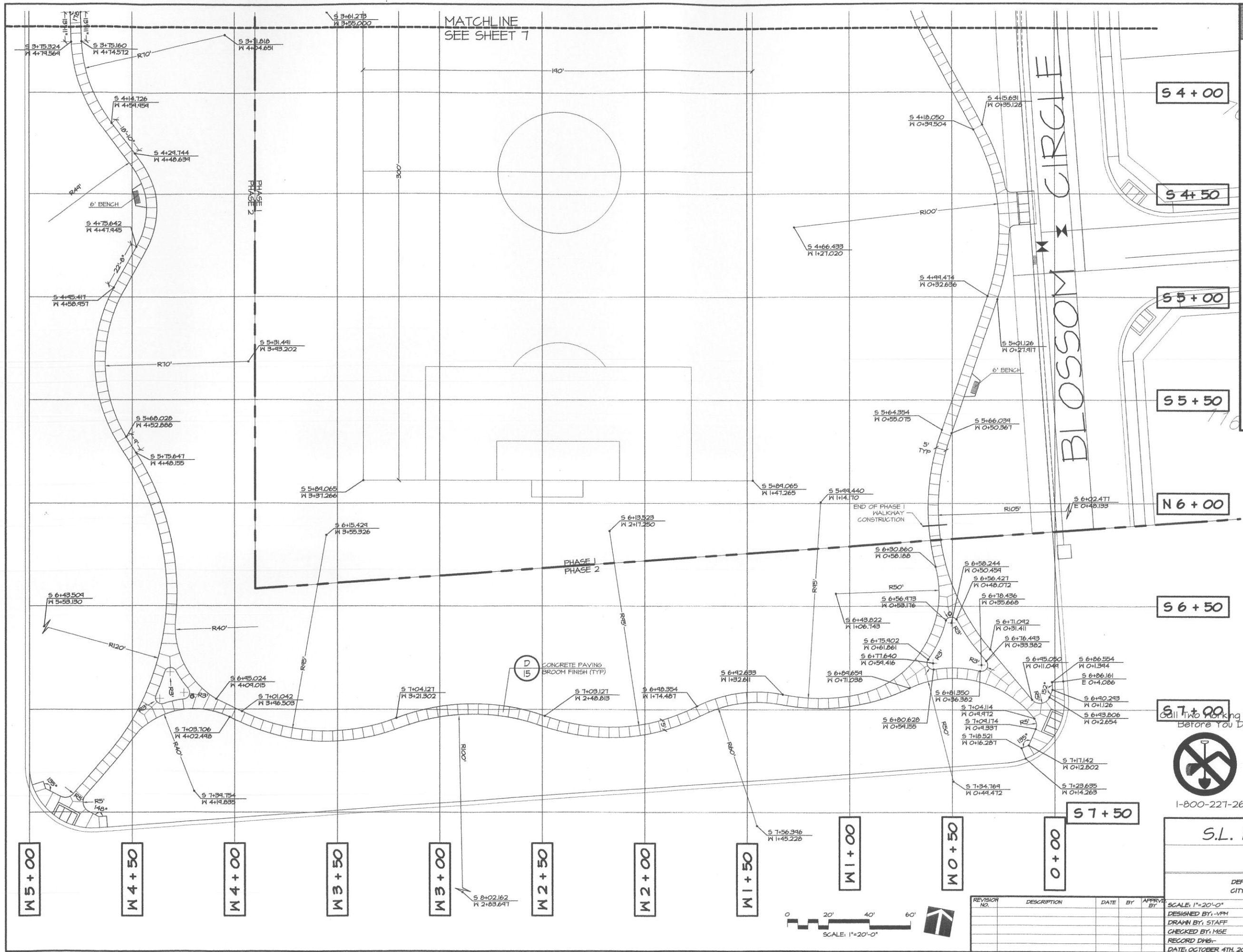


MATCHLINE
 SEE SHEET 8

CONSTRUCTION NOTES

- ALL WORK IS TO BE PERFORMED BY A LICENSED CONTRACTOR AND EXPERIENCED WORKERS. CONTRACTOR IS TO VERIFY THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES AND STRUCTURES PRIOR TO PERFORMING ANY EXCAVATION. CONTRACTOR SHALL REPAIR ANY DAMAGE TO UTILITIES CAUSED BY THEIR WORK AT NO ADDITIONAL COST TO OWNER.
- CONTRACTOR SHALL CONTACT USA (800) 221-2600 FOR LOCATIONS OF ALL UNDERGROUND UTILITIES 48 HOURS BEFORE STARTING EXCAVATION.
- CONTRACTOR SHALL CONFORM TO ALL LOCAL CODES.
- CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS NECESSARY TO COMPLETE WORK.
- PROJECT SPECIFICATIONS ARE AN INTEGRAL PART OF THESE DRAWINGS. REFER TO 'BOOK FORM' SPECIFICATIONS UPON GIVING A BID PRICE. IT IS ASSUMED THAT THE CONTRACTOR HAS READ AND UNDERSTOOD ALL CONTAINED THEREIN.
- CONTRACTOR SHALL CONTACT LANDSCAPE ARCHITECT IF ANY DISCREPANCIES BETWEEN FIELD CONDITIONS AND PLANS PRIOR TO PROCEEDING WITH WORK. THE WRITTEN DIMENSION SHALL SUPERSEDE THE DRAWN DIMENSION. ALL FIELD ADJUSTMENTS MUST BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
- ALL DIMENSIONS ARE TO FACE OF CURB, BACK OF WALL, FACE OF WALL, CENTER LINE OF COLUMNS, FACE OF COLUMNS, EDGE OF PAVING, OR FACE OF BUILDING, UNLESS OTHERWISE NOTED. ALL DIMENSIONS ARE AT 90 OR 45 DEGREES, UNLESS OTHERWISE NOTED.
- SLEEVING SHALL BE COORDINATED WITH CONCRETE WORK. REFER TO IRRIGATION PLAN FOR SLEEVING LOCATIONS.
- ALL MATERIALS AND FINISHES SHALL BE AS PER DRAWINGS, DETAILS AND SPECIFICATIONS. SOME MATERIALS MAY REQUIRE A SEVERAL WEEK ORDER LEAD TIME. CONTRACTOR IS RESPONSIBLE FOR DETERMINING ANY AND ALL ORDERING DELAYS, AND PROVIDING REQUIRED MATERIALS AT THE PROJECT SITE IN A TIMELY MANNER. NO UNAPPROVED SUBSTITUTIONS WILL BE ALLOWED. CONTACT THE LANDSCAPE ARCHITECT IMMEDIATELY IF A SPECIFIED MATERIAL IS NOT AVAILABLE.
- INSPECTIONS ARE LISTED IN THE 'BOOK FORM' SPECIFICATIONS. CALL (916) 447-7400 AS REQUIRED. REFER TO SPECIFICATIONS AND DETAILS FOR ADDITIONAL INFORMATION.

SEE SHEET 7 FOR LAYOUT LEGEND.



Call Two Working Days Before You Dig!



1-800-221-2600



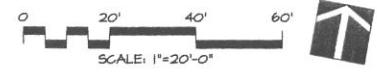
LANDSCAPE ARCHITECTS & PLANNERS
The HLA Group, Landscape Architects & Planners, Inc.
380 Third Street Suite 100 Sacramento, California 95811
CELA 1889 916-447-7400 FAX 916-447-8275

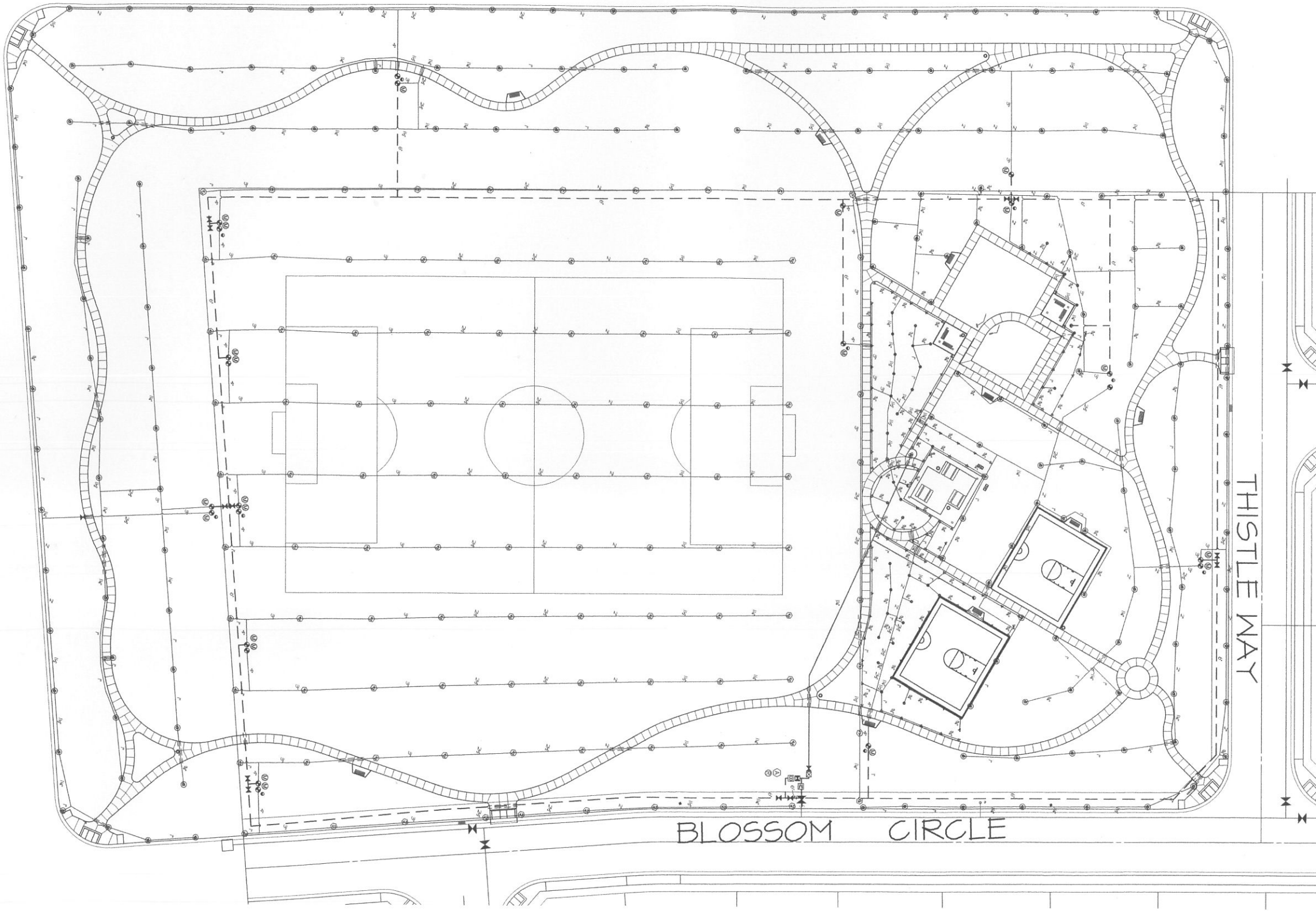
S.L. FONG PARK PHASE ONE
LAYOUT

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

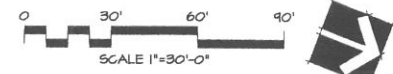
DESIGNED BY: VFM	APPROVED BY: [Signature]	SHEET NO. 8
DRAWN BY: STAFF	CITY ENGINEER STOCKTON, CA	OF 24 SHEETS
CHECKED BY: MSE	DATE: 11/16/07	PROJECT NO. 01-29
RECORD DWG	DATE: OCTOBER 4TH 2007	

REVISION NO.	DESCRIPTION	DATE	BY	APPROV BY





SEE SHEETS 11 & 12
FOR ENLARGED
PLANS



THISTLE WAY

BLOSSOM CIRCLE

Call Two Working Days
Before You Dig!



1-800-227-2600



LANDSCAPE ARCHITECTS & PLANNERS
The H&A Group, Landscape Architects & Planners, Inc.
1990 Third Street Suite 800 Sacramento, California 95811
CRLA 1669 916-447-5100 FAX 916-447-8270

S.L. FONG PARK PHASE ONE

IRRIGATION PLAN -OVERALL

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

REVISION NO.	DESCRIPTION	DATE	BY	APPROVED BY

SCALE: 1"=30'-0"
DESIGNED BY: -VFM
DRAWN BY: STAFF
CHECKED BY: MGE
RECORD DWG
DATE: OCTOBER 4TH 2002

APPROVED BY:
S.L. Fong
CITY ENGINEER
STOCKTON, CA
DATE: 11/10/02

SHEET NO. 9
OF 24 SHEETS
PROJECT NO. 01-29

IRRIGATION LEGEND

○	RAINBIRD	1806-15F POP-UP TURF SPRINKLER	25	9.3	14'
△	RAINBIRD	1806-15H POP-UP TURF SPRINKLER	25	1.65	14'
△	RAINBIRD	1806-15G POP-UP TURF SPRINKLER	25	0.83	14'
△	RAINBIRD	1806-15VAN POP-UP TURF SPRINKLER	25	1.42	14'
□	HUNTER	HUNTER 1-20 W/1.5 NOZZLE	50	1.60	34'
⊙	HUNTER	HUNTER 1-20 W/6 NOZZLE	50	5.5	46'
⊙	HUNTER	HUNTER 1-20 W/2 NOZZLE	50	2.0	38'
⊙	HUNTER	HUNTER 1-20 W/1 NOZZLE	50	1.2	31'
⊙	HUNTER	HUNTER 1-40 W/4 NOZZLE	50	14.2	58'
⊙	HUNTER	HUNTER 1-40 W/40 NOZZLE	50	8.0	46'
⊙	GRISHOLD	2030 SELF-CLEANING REMOTE CONTROL VALVE			
⊙	WATERTRONICS	BOOSTER PUMP MODEL # L5TBV-15-240-3, SEE DETAIL SHEET 16.			
⊙	NIBCO	T-113 GATE VALVE, LINE SIZE			
⊙	RAINBIRD	44DLRC QUICK COUPLER WITH LOCKING YELLOW RUBBER COVER			
⊙	WILKINS	4" 1/2" 4" REDUCED PRESSURE BACKFLOW PREVENTER			
⊙	WILKINS	4" 1/2" 3/4" REDUCED PRESSURE BACKFLOW PREVENTER W/ 1" STRAINER			
⊙	M	EXISTING 4" WATER METER			
⊙	A	IRRITROL			
---	---	GLASS 200 LATERAL			
---	---	MAINLINE SIZES 2 1/2" AND LARGER -- GLASS 315; MAINLINE SIZES LESS THAN 2 1/2" -- SCH. 40			
---	---	SCHEDULE 40 SLEEVE, SEE SPECIFICATIONS			
---	---	UL LISTED CONDUIT, SEE SPECIFICATIONS			
M	WATER CONSERVATION SYSTEMS, INC.	"HYDROVISOR" TENSION METER. INSTALL WITHIN LOCKING VALVE BOX AS PER MANUFACTURER RECOMMENDATION. WIRE TO ADJACENT VALVE.			
R	WATER CONSERVATION SYSTEMS, INC.	"RAINGUARD" AUTOMATIC RAIN SHUT-OFF MODEL: 20-30 CB. MOUNT WITHIN VANDAL RESISTANT ENCLOSURE (MCS-R6V). INSTALL PER MANUFACTURER RECOMMENDATIONS. LANDSCAPE ARCHITECT SHALL SITE IN FIELD EXACT LOCATION.			

POINT OF CONNECTION
 THE CONTRACTOR SHALL INSTALL A 4" AND 3/4" BACKFLOW PREVENTER DOWNSTREAM OF THE 4" IRRIGATION WATER METER. SEE BOOSTER PUMP SCHEMATIC DETAIL IT FOR FURTHER INFORMATION. REFER TO THOMPSON HYSSELL CIVIL ENGINEERING PLANS FOR EXACT LOCATION. RUN 4" GLASS 315 MAINLINE FROM THE METER TO THE BACKFLOW PREVENTERS CONTRACTOR SHALL SET A LINE SIZE GATE VALVE DOWNSTREAM OF THE BACKFLOW PREVENTERS FROM THE GATE VALVE TO THE IRRIGATION SYSTEM, RUN 6" GLASS 315 MAINLINE WHERE INDICATED. THIS SYSTEM IS DESIGNED FOR A MAXIMUM DEMAND OF 260 GPM WITH A MINIMUM OF 30 PSI @ P.O.C. CONTRACTOR MUST VERIFY AVAILABLE STATIC PRESSURE @ P.O.C. AND NOTIFY LANDSCAPE ARCHITECT IF THE PRESSURE DIFFERS GREATER THAN 10% FROM THE REPORTED 30 PSI AVAILABLE. FINAL LOCATION OF BACKFLOW PREVENTER SHALL BE APPROVED BY THE CITY OF STOCKTON. CONTRACTOR WILL BE REQUIRED TO PAY ALL CONNECTION FEES AND INSTALL ALL FITNESS NECESSARY FOR THE NEW WATER METER. THE CITY MUNICIPAL UTILITIES DEPARTMENT WILL PROVIDE AND PLACE THE METER ONLY.

Call Two Working Days Before You Dig!



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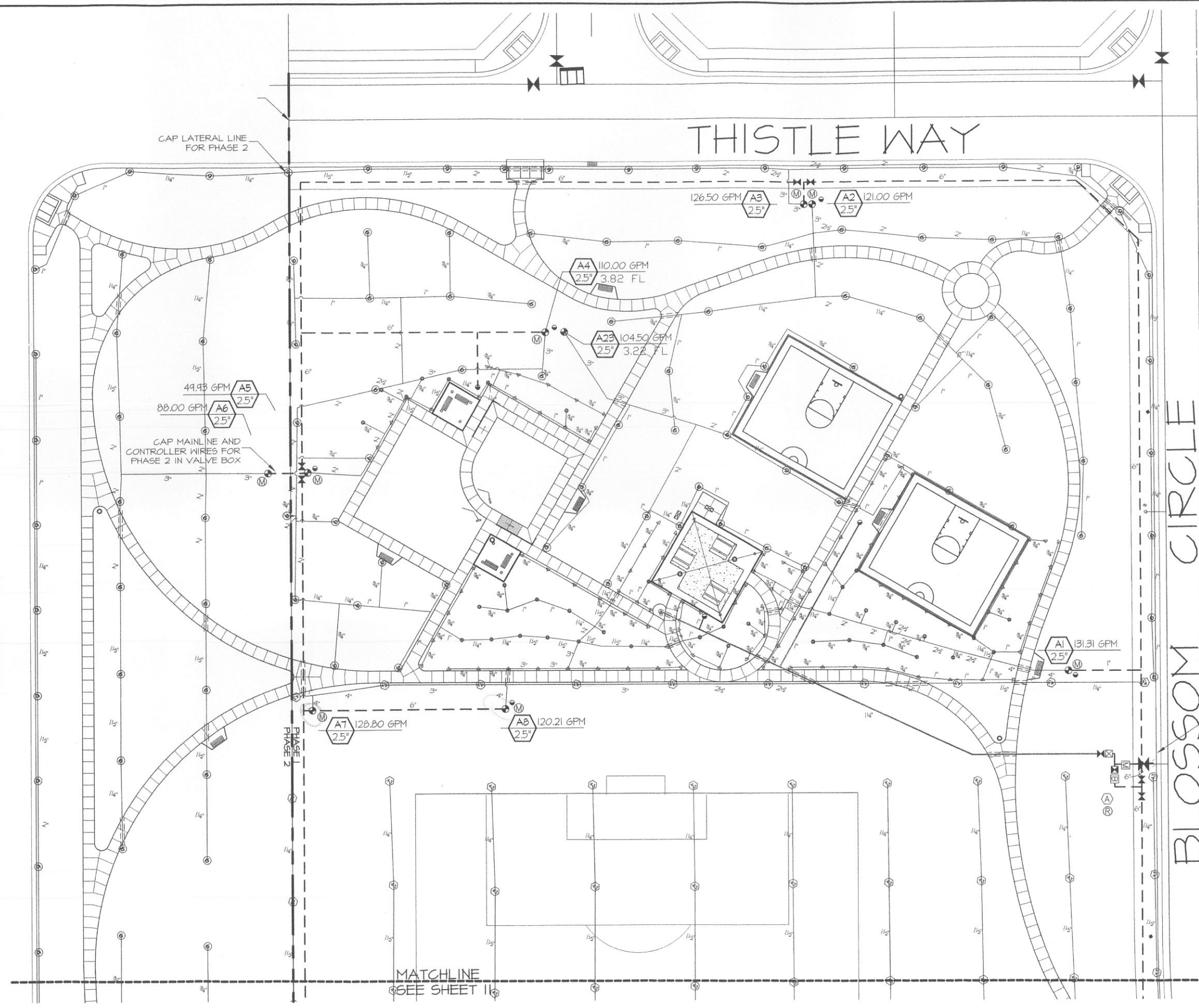
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 180 Third Street Suite 100 Sacramento, California 95814
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S.L. FONG PARK PHASE ONE

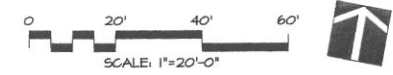
IRRIGATION PLAN

DEPARTMENT OF PUBLIC WORKS
 CITY OF STOCKTON, CALIFORNIA

DESIGNED BY: VFM	APPROVED BY: <i>[Signature]</i>	SHEET NO. 10
DRAWN BY: STAFF	CITY ENGINEER STOCKTON, CA	OF 24 SHEETS
CHECKED BY: MSE	DATE: 11/16/02	PROJECT NO. 01-29
RECORD DWG.	DATE: OCTOBER 4TH 2002	

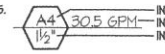


SEE SHEET II FOR IRRIGATION NOTES



REVISION NO.	DESCRIPTION	DATE	BY	APPROVED BY

IRRIGATION NOTES

1. THE SPRINKLER SYSTEM IS BASED ON THE MINIMUM OPERATING PRESSURE AND THE MAXIMUM FLOW DEMAND SHOWN ON THE DRAWINGS. THE CONTRACTOR SHALL VERIFY WATER PRESSURE PRIOR TO CONSTRUCTION. REPORT TO THE LANDSCAPE ARCHITECT ANY DIFFERENCE BETWEEN THE WATER PRESSURE SHOWN ON THE DRAWINGS AND THE ACTUAL PRESSURE READINGS AT THE POINT OF CONNECTION. IN THE EVENT PRESSURE DIFFERENCES ARE NOT REPORTED IN WRITING PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY NECESSARY REVISIONS.
2. THIS DESIGN IS DIAGNOSTIC. ALL PIPING, VALVES, ETC., SHOWN WITHIN PAVED AREAS ARE FOR DESIGN CLARIFICATION ONLY. INSTALL PIPING AND VALVES IN PLANTING AREAS WHERE POSSIBLE, AND LOCATE ELECTRIC CONTROL AND QUICK COUPLING VALVES IN GROUND COVER/SHRUB AREAS, 6" TO 12" AWAY FROM EDGE OF SIDEWALK FOR EASY ACCESS.
3. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FAMILIARIZE HIMSELF WITH ALL GRADE DIFFERENCES, LOCATION OF WALLS, STRUCTURES, AND UTILITIES. THE CONTRACTOR SHALL EXERCISE EXTREME CARE AND BE RESPONSIBLE FOR ANY DAMAGE IN EXCAVATING AND WORKING NEAR EXISTING UTILITIES. HE SHALL COORDINATE HIS WORK FOR THE LOCATION OF UTILITIES AND THE INSTALLATION OF PIPE SLEEVES THROUGH WALLS, UNDER ROADWAYS, AND NEAR STRUCTURES. PRIOR TO CONSTRUCTION, CONTACT ALL APPLICABLE AGENCIES AND U.S.A. AT (800) 227-2600 TO FIELD LOCATE ALL EXISTING UTILITIES.
4. THE FINAL LOCATION OF THE AUTOMATIC CONTROLLER SHALL BE APPROVED BY THE CITY OF STOCKTON PRIOR TO INSTALLATION.
5.  INDICATES CONTROLLER STATION NUMBER
INDICATES GALLONS PER MINUTE
INDICATES REMOTE CONTROL VALVE SIZE
6. FOR ADDITIONAL INFORMATION, SEE PROJECT DETAILS AND SPECIFICATIONS.
7. THE CONTRACTOR SHALL FLUSH AND ADJUST ALL LINES, SPRAY HEADS, VALVES, AND ENTRIES FOR OPTIMUM PERFORMANCE. ADJUST ALL NOZZLES TO ELIMINATE SPRAYING ONTO WALKS, STREETS, BUILDINGS, ETC.
8. FIELD ADJUSTMENTS MAY BE REQUIRED TO PROVIDE OPTIMUM OPERATING EFFICIENCY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE CITY OF STOCKTON TO REVIEW PROPOSED FIELD ADJUSTMENTS PRIOR TO INSTALLATION. IN THE EVENT THAT NO WRITTEN REQUEST IS RECEIVED BY THE CITY OF STOCKTON, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY REVISIONS.
9. SLEEVE ALL PRESSURE MAINLINE PIPE, LATERAL PIPE, AND CONTROL WIRES UNDER STREETS AND CONCRETE WALKWAYS WITH THE PROPER SIZE SCHEDULE 40 PVC AND DEPTH AS SPECIFIED.
10. INSTALL A COPPER TRACE WIRE FROM THE WATER METER TO THE BACKFLOW PREVENTER BURIED IN THE SAME TRENCH AS THE PRESSURE SUPPLY LINE PIPING.
11. DO NOT FULLY INSTALL THE SPRINKLER SYSTEM AS DIAGNOSTICALLY SHOWN ON THE DRAWINGS WHEN IT IS OBVIOUS IN THE FIELD THAT OBSTRUCTIONS, GRADE DIFFERENCES OR DIFFERENCES IN SITE DIMENSIONS EXIST THAT MIGHT NOT HAVE BEEN FORESEEN AND CONSIDERED IN THE ENGINEERING. THE CITY OF STOCKTON SHOULD BE INFORMED IN WRITING OF SUCH OBSTRUCTIONS AND DIFFERENCES, BUT IN THE EVENT THAT THIS NOTIFICATION IS NOT PERFORMED, THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY REVISIONS AND REPAIR WORK NECESSARY.
12. INSTALL ALL PIPE MATERIALS AND EQUIPMENT AS SHOWN IN THE CONSTRUCTION DETAILS. USE TEFLON TAPE ON ALL PVC MALE THREADS OF ALL SPRINKLER SPRING JOINTS AND VALVE ASSEMBLIES EXCEPT HARLEX FITTINGS.
13. UNLESS OTHERWISE NOTED, ALL IRRIGATION SHOWN SHALL BE CONSIDERED NEW AND SHALL BE INSTALLED IN SUCH A MANNER THAT THE NEW IRRIGATION SYSTEM WILL PROVIDE A COMPLETE AND EFFICIENT OPERATING SYSTEM.
14. SET PRESSURE REGULATORS AT 30 PSI FOR NETAFIM VALVES AND 35 PSI FOR SPRAY VALVES.

IRRIGATION CONTROLLER SCHEDULE

CONTROLLER "A"

Station Number	Type	Spring	Summer	Fall	Winter
A26,4-1922	R	5	5	5	1
		13	20	11	1
A3,4,11,6,20-21,23	R	5	5	5	1
		10	15	16	6
A15b	Ts	5	5	5	1
		6	14	4	1
TOTAL HOURS PER DAY		4.1	12.6	6.0	0.5

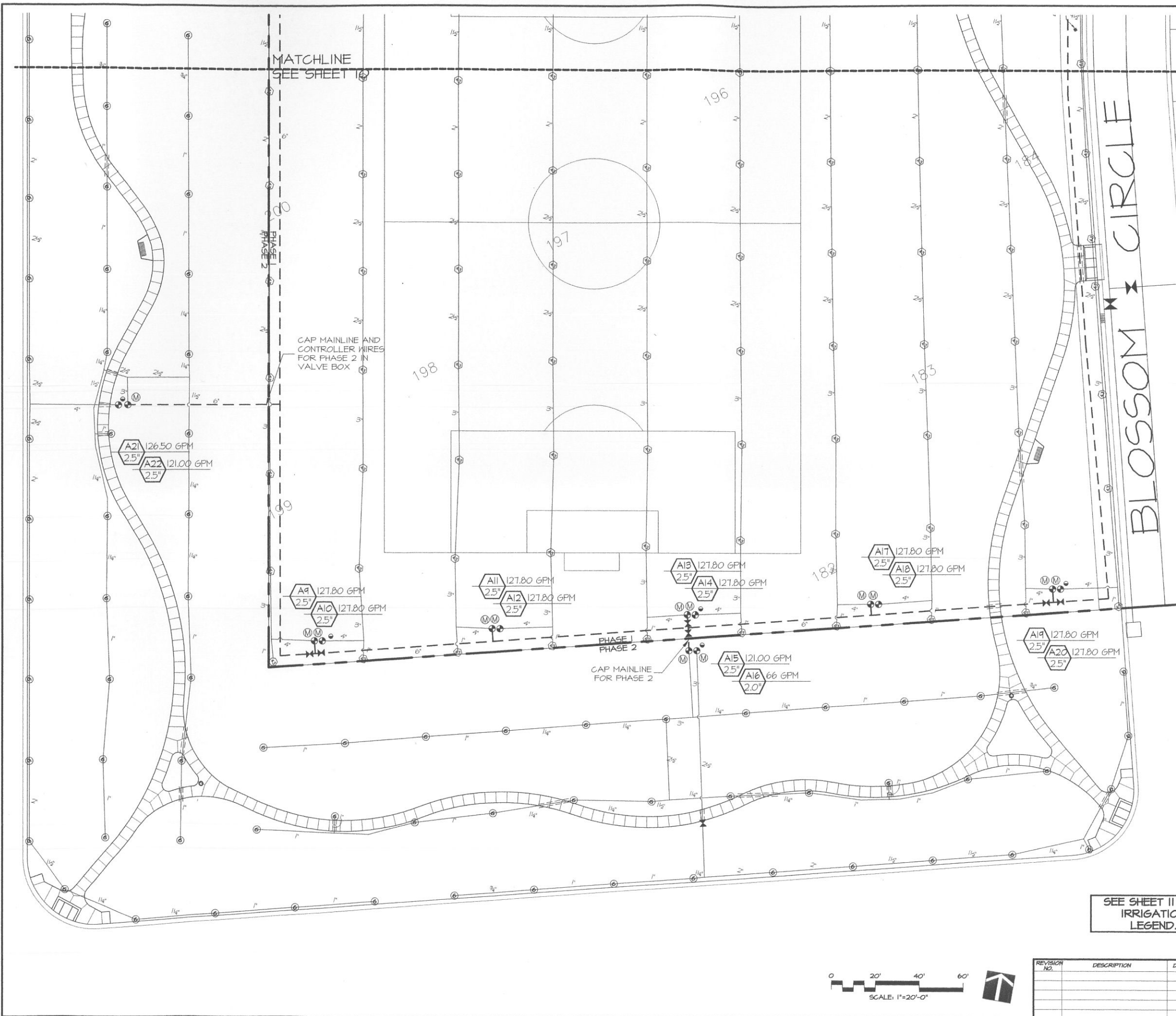
IRRIGATION SCHEDULE SHOWN IS BASED ON A PEAK DEMAND OF 2.5" WEEK FOR TURF AND 1.5" WEEK FOR SHRUBS.

R - Indicates Rotar spray
Ts - Indicates Turf spray
Ss - Indicates Shrub spray
Td - Indicates Turf subsurface drip
Sd - Indicates Shrub subsurface drip

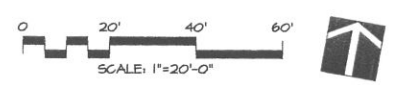
Indicates Days Per Week - 3
Indicates Station Run Time - 0
Indicates Cycles Per Day - 2

Actual run-time may vary in accordance with varying site conditions. It is the responsibility of the on-site water manager to determine optimum run-times.

During the landscape establishment period, increase the operation time by 20% and the days of operation by one day each week.



SEE SHEET 11 FOR IRRIGATION LEGEND.



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1-800-227-2600

S.L. FONG PARK PHASE ONE IRRIGATION PLAN

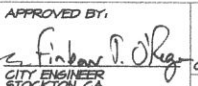
DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

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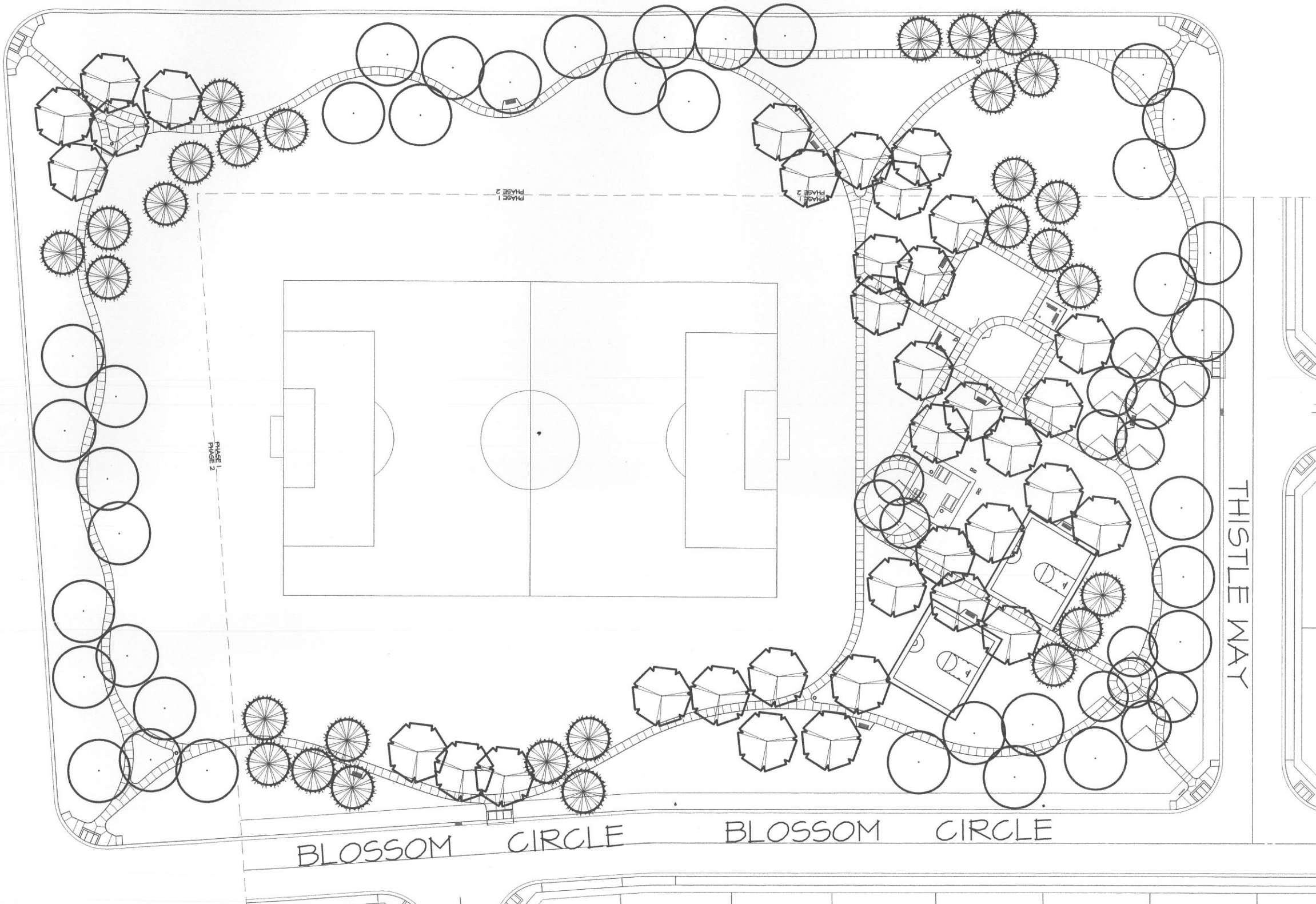
DESIGNED BY: -YFM
DRAWN BY: STAFF
CHECKED BY: MSE
RECORD DWS

DATE: OCTOBER 4TH 2002

APPROVED BY: 
CITY ENGINEER
STOCKTON, CA

DATE: 11/10/02

SHEET NO. 11 OF 24 SHEETS
PROJECT NO. 01-29



PHASE 1
PHASE 2

PHASE 1
PHASE 2

THISTLE WAY

BLOSSOM CIRCLE BLOSSOM CIRCLE

SEE SHEETS 14 & 15
FOR ENLARGED
PLANS



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S.L. FONG PARK PHASE ONE
PLANTING PLAN - OVERALL

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

REVISION NO.	DESCRIPTION	DATE	BY	APPROVED BY

SCALE: 1"=30'-0"
DESIGNED BY: -VFM
DRAWN BY: STAFF
CHECKED BY: MGE
RECORD DWS-
DATE: OCTOBER 4TH 2002

APPROVED BY:
Steven T. O'Keefe
CITY ENGINEER
STOCKTON, CA
DATE: 11/1/02

SHEET NO.
12
OF 24 SHEETS
PROJECT NO.
01-29

PLANT LEGEND

SYMBOL	SCIENTIFIC NAME	COMMON NAME	SIZE	REMARKS
QUE	QUERCUS LOBATA	VALLEY OAK	15 GALLON	STANDARD
PLA	PLATANUS ACERIFOLIA	LONDON PLANE TREE	15 GALLON	STANDARD
SEQ	SEQUIOIA SEMPERVIRENS 'APTOS BLUE'	REDWOOD	15 GALLON	STANDARD
LAG	LAGERSTROEMIA INDICA	GRAPE HYDRILE	15 GALLON	STANDARD
GROUND COVER				
T	TURF-HYDROSEED, SEE NOTES BELOW	95% TALL FESCUE AND 5% BLUEGRASS		

PLANTING NOTES

- LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING ALL PLANTED AREAS. ALL DELETERIOUS MATERIAL SUCH AS ROCK, TRASH, CONSTRUCTION DEBRIS, AGGREGATE BASE MATERIAL, ASPHALT, ECT. SHALL BE REMOVED PRIOR TO ANY FILL OPERATIONS. RIP SURGRADE AS PER SPECIFICATIONS. FILL ALL PLANTING AREA WITH CLEAN EARTHEN FILL, AS PER SPECIFICATIONS, VOID OF HEAVY, STIFF CLAY AND ANY DELETERIOUS MATERIAL OVER ONE INCH IN SIZE. THE TOP SIX INCHES OF FILL MATERIAL SHALL BE TOPSOIL EQUAL TO THAT SPECIFIED IN THE LANDSCAPE SPECIFICATIONS. CLEAN SITE STRIPPINGS MAY BE UTILIZED FOR PLANTER OR TOPSOIL FILL IF PRIOR APPROVAL HAS BEEN OBTAINED FROM THE LANDSCAPE ARCHITECT. SITE STRIPPING SHALL BE DEFINED AS THE TOP SIX INCHES OF SOIL FROM THE PROJECT SITE WHICH HAS HAD ALL VEGETATIVE MATTER AND DELETERIOUS MATERIAL REMOVED. ALL TOPSOIL AND SITE STRIPPING UTILIZED ON PROJECT SHALL BE AMENDED AS PER SPECIFICATIONS OR AS DIRECTED BY THE LANDSCAPE ARCHITECT. THE LANDSCAPE CONTRACTOR SHALL REVIEW THE PROJECT SITE AND ITS POTENTIAL FOR AVAILABLE SITE STRIPPINGS PRIOR TO SUBMITTING A PRICE QUOTATION ON THIS PROJECT. IF THE CONTRACTOR SIGNS A CONTRACT TO PROVIDE LANDSCAPE SERVICES ON THIS PROJECT, IT INDICATES THE FOLLOWING HAS BEEN DETERMINED IN PRICE QUOTED.
 - A) LOCATION FOR STOCKPILING SITE STRIPPINGS
 - B) SOURCE OF SOIL FILL
 - C) CONTRACTOR HAS RECEIVED LANDSCAPE ARCHITECT APPROVAL OF USE OF SITE RESPONSIBLE
 - D) COORDINATE WITH THE GENERAL CONTRACTOR OF WORK AS TH WHO WILL BE RESPONSIBLE FOR PLACING FILL MATERIAL, TOPSOIL/STRIPPING. IF NOT THE LANDSCAPE CONTRACTOR, SO STATE IN CONTRACT WHERE SOILS WILL BE OBTAINED FROM AND THE PARTY RESPONSIBLE FOR PLACEMENT.
- PLANT MATERIAL QUANTITIES SHOWN ON DRAWINGS ARE INFORMATIONAL ONLY. THE CONTRACTOR IS RESPONSIBLE FOR ALL PLANT MATERIAL REQUIRED, IN PHASE ONE.
- PLANT KEY
 3 QUANTITY
- IMMEDIATELY AFTER AWARD OF CONTRACT, NOTIFY THE LANDSCAPE ARCHITECT IF SPECIFIED PLANT MATERIAL IS AVAILABLE FROM COMMERCIAL NURSERIES. IN CASE A PLANT IS NOT AVAILABLE, THE LANDSCAPE ARCHITECT WILL PROVIDE ALTERNATE PLANT MATERIAL SELECTIONS. SUCH CHANGES WILL NOT ALTER THE ORIGINAL BID PRICE UNLESS A CREDIT IS DUE TO THE OWNER.
- EXCAVATED PLANT PITS SHALL HAVE POSITIVE DRAINAGE. PLANT PITS WHEN FULLY FLOODED WITH WATER SHALL DRAIN WITHIN 1 HOUR OF FILLING. SEE SPECIFICATIONS FOR EXACT REQUIREMENTS.
- ALL PLANT MATERIALS SHALL COMPLY WITH FORM AND CHARACTERISTIC REQUIREMENTS AS SPECIFIED ON PLANS AND IN THE SPECIFICATIONS. SHALL COMPLY WITH ANSI Z601 STANDARD FOR NURSERY STOCK.
- LANDSCAPE INSTALLATION SPECIFICATIONS ARE IN BOOK FORM. CONFORM TO ALL CONDITIONS AND REQUIREMENTS CONTAINED WITHIN. HAVE AVAILABLE ON THE JOB SITE AT ALL TIMES. THE CONSTRUCTION DRAWING SPECIFICATION FOR INSPECTION BY THE LANDSCAPE ARCHITECT. RETAIN ON SITE ALL OFFICIAL/APPROVED ADDENDUMS AND/OR CHANGE ORDERS RELATIVE TO THE LANDSCAPE INSTALLATION IN CHRONOLOGICAL ORDER.
- PROVIDE SOIL EROSION CONTROL MEASURES THAT MAY BE REQUIRED THROUGH THE DURATION OF THE CONTRACT PERIOD. SHOULD THERE BE EXISTING SOIL EROSION CONDITIONS THAT REQUIRE MITIGATION NOTIFY THE LANDSCAPE ARCHITECT OR OWNER TO ITS EXISTENCE. FAILURE TO NOTIFY THE LANDSCAPE ARCHITECT OR OWNER IMPLIES ACCEPTANCE OF THE SITE IN ITS EXISTING CONDITION. MITIGATE EXISTING EROSION PROBLEMS AT NO EXTRA COST TO THE OWNER OR INCREASE IN BID AMOUNT.
- VERIFY LOCATIONS OF ALL UNDERGROUND UTILITY SYSTEMS PRIOR TO BEGINNING ANY PHASE OF CONSTRUCTION THAT MAY CAUSE DAMAGE TO EXISTING STRUCTURES. CALL U.S.A. TO LOCATE EXISTING UTILITIES AT (800) 642-2444. REPAIR / REPLACEMENT OF DAMAGED UTILITIES, TO THE SATISFACTION OF THE OWNER OR GOVERNING AGENCY AND AT NO EXTRA COST TO THE OWNER OR INCREASE IN BID AMOUNT.
- ALL LANDSCAPED AREAS SHALL BE MAINTAINED IN A HEALTHY AND NEED FREE CONDITION. DEAD PLANT MATERIAL SHALL BE REPLACED IMMEDIATELY. ALL TREES SHALL BE MAINTAINED AND PRUNED IN ACCORDANCE WITH THE ACCEPTED PRACTICES OF THE INTERNATIONAL SOCIETY OF ARBORICULTURE (ISA).

THISTLE WAY

BLOSSOM

MATCHLINE
SEE SHEET L14



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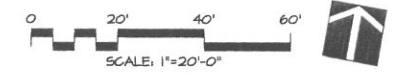
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S.L. FONG PARK PHASE ONE

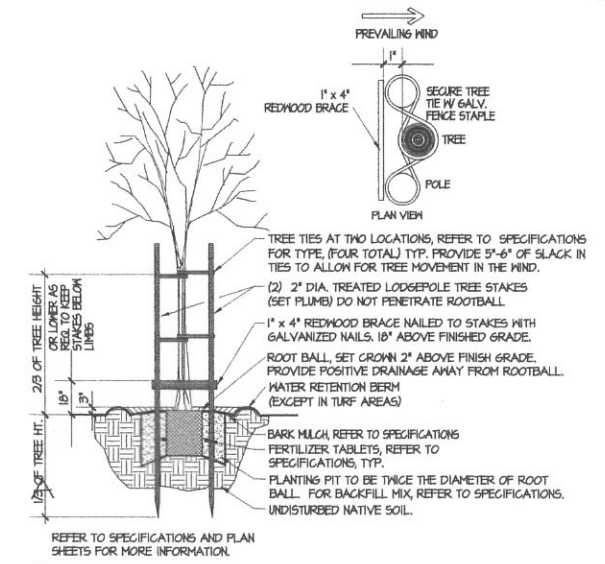
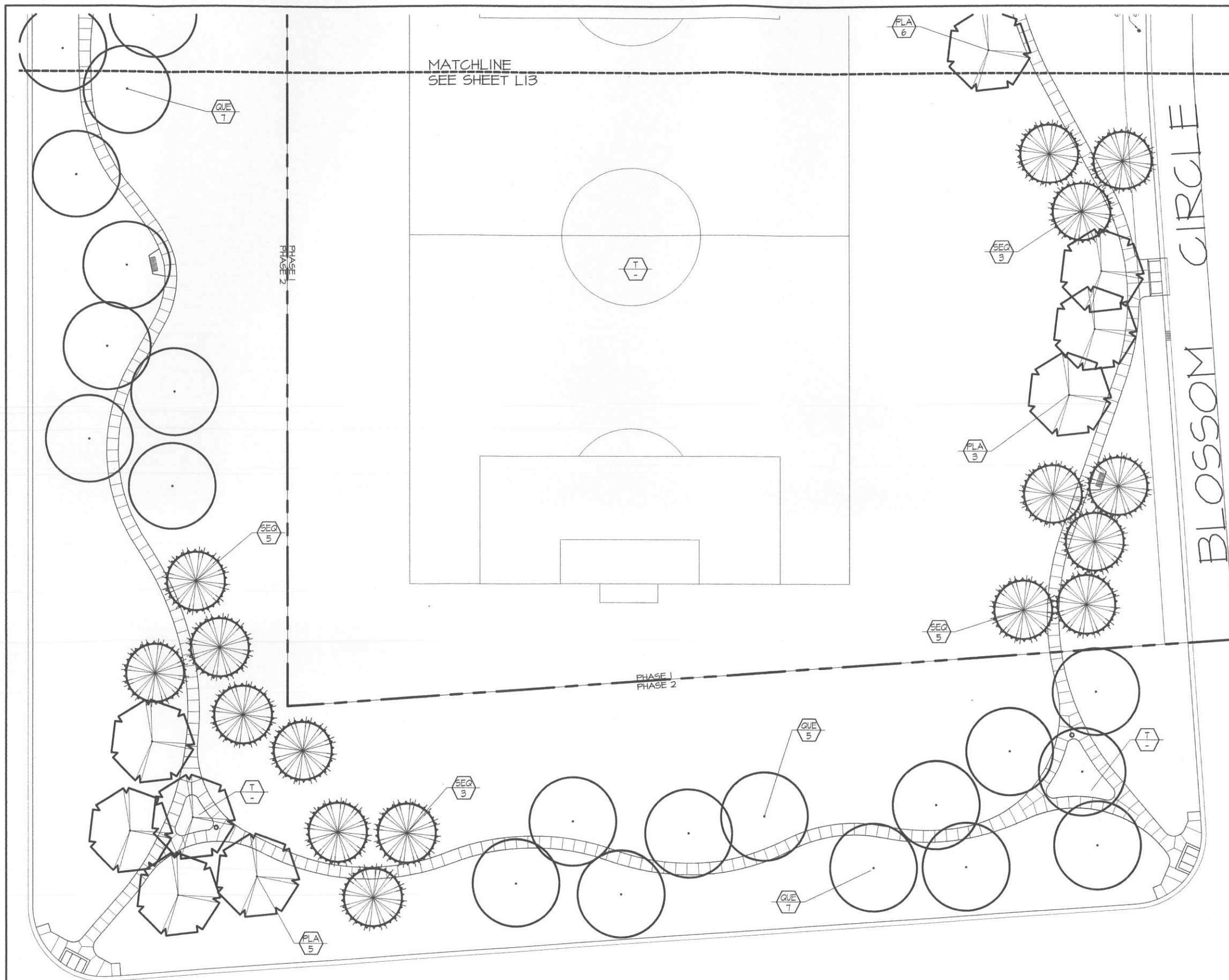
PLANTING PLAN

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA



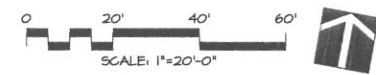
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DESIGNED BY: -VPM	<i>Robert D. Habitzel</i>	13
DRAWN BY: STAFF	CITY ENGINEER	OF 24 SHEETS
CHECKED BY: HGE	STOCKTON, CA	PROJECT NO.
RECORD DWG:	DATE: OCTOBER 4TH 2002	01-29



A Tree Planting Detail
Not To Scale

SEE SHEET L14 FOR PLANTING NOTES AND LEGEND.



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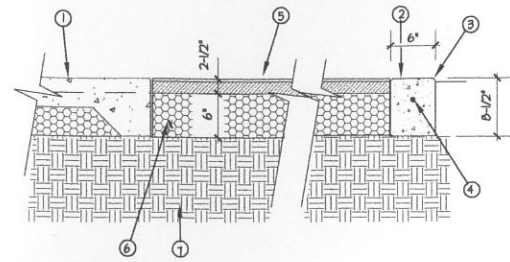


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S.L. FONG PARK PHASE ONE
PLANTING PLAN
 DEPARTMENT OF PUBLIC WORKS
 CITY OF STOCKTON, CALIFORNIA



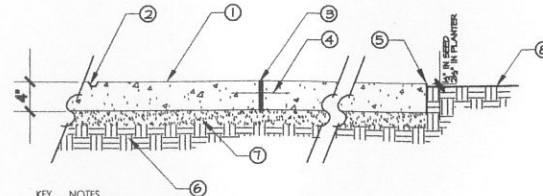
KEY NOTES

- ① CONCRETE PAVING WHERE APPLICABLE
- ② MED. BROOM FINISH ALL EXPOSED SURFACES
- ③ TOOLED EDGES TYP.
- ④ #4 REBAR CONT.
- ⑤ AG PAVING AND COURT SURFACING - SEE SPECS.
- ⑥ CLASS II AGG. BASE COMPACTED TO 95% R.D.
- ⑦ COMPACTED SUBGRADE TO 95% R.D.

A Basketball Court Paving/Curb

Scale: 1" = 1'-0"

Section



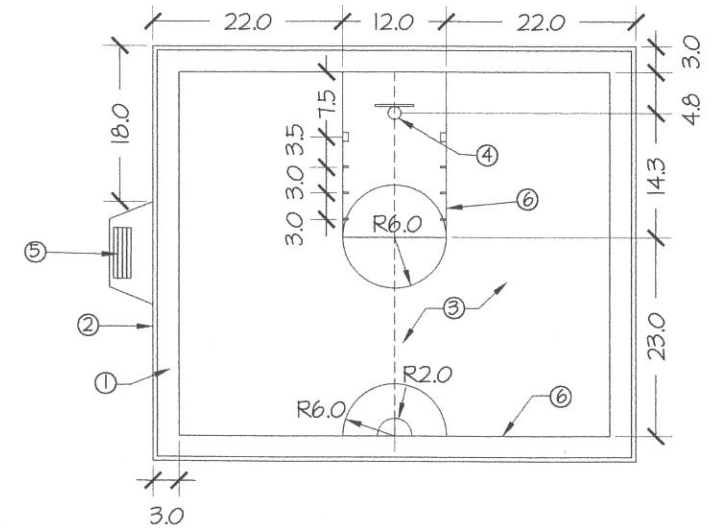
KEY NOTES

- ① CONCRETE PAVING-LIGHT BROOM FINISH PERPENDICULAR TO MAIN DIRECTION OF TRAVEL. FINISH SHALL BE EXPOSED AGGREGATE UNDER PICNIC SHELTER, SEE LAYOUT.
- ② 3/8" X 3/4" DEEP SCORE JOINT-8'x8' O.C.
- ③ 3/8" FIBER EXPANSION JOINT- 40' O.C. MAXIMUM
- ④ 12" LONG #3 DOWEL @ 24" O.C.; SLEEVE ONE END
- ⑤ JOINTS AND EDGES SHALL BE TOOLED.
- ⑥ SUBGRADE COMPACTED TO 90% R.D.
- ⑦ 2" SAND BASE TYP.
- ⑧ FINISH GRADE

D Concrete Paving

Scale: 1" = 1'-0"

Section



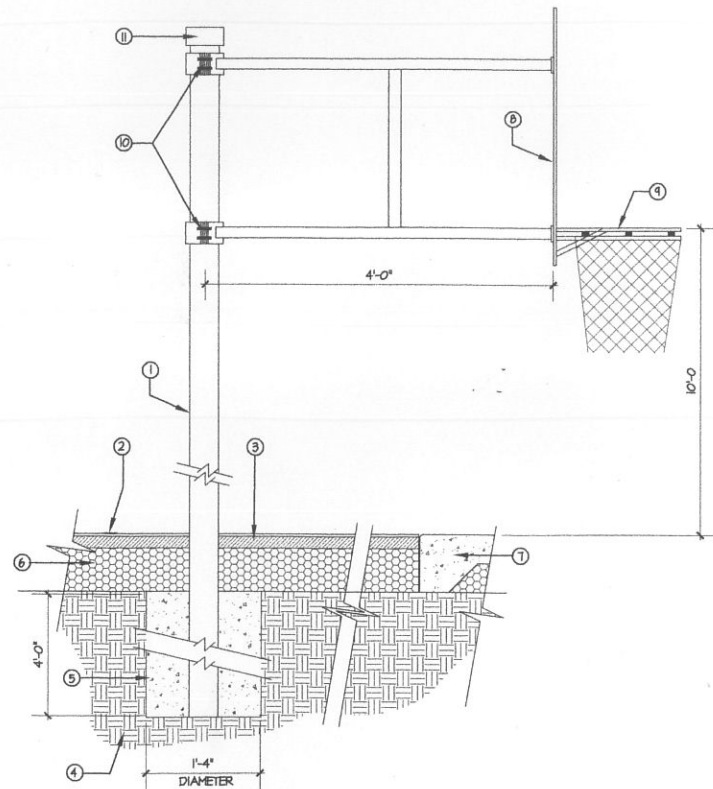
KEY NOTES

- ① ASPHALT PAVING, SEE DETAIL A, SHEET 16
- ② CONCRETE PAVING, SEE DETAIL D SHEET 16.
- ③ ASPHALT PAVING, PROVIDE EXPANSION JOINTS AS SHOWN. SEE DETAIL A SHEET 15.
- ④ BASKETBALL STANDARD, SEE SPECIFICATIONS FOR MANUFACTURER AND MODEL NUMBER. SEE DETAIL C/16.
- ⑤ 6" STRAIGHT BENCH REFER TO LAYOUT LEGEND FOR MANUFACTURER AND MODEL NUMBER.
- ⑥ 2" WIDE PAINTED PLAYING LINES. SEE SPECS FOR COLOR AND MANUFACTURER, TYP.

B Basketball Court Area

Scale: 1" = 10' - 0"

Plan



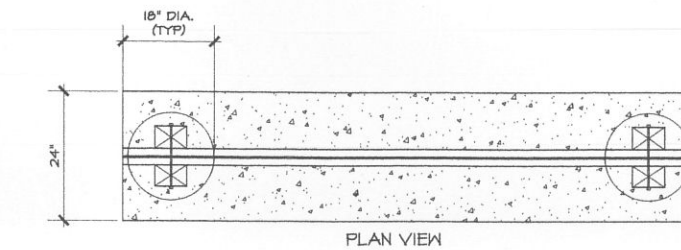
KEY NOTES

- ① BASKETBALL STANDARD POLE
- ② COURT BOUNDARY LINE
- ③ AG PAVING AND COURT SURFACING - SEE SPECS.
- ④ COMPACTED SUBGRADE TO 95% R.D.
- ⑤ CONCRETE FOOTING. INSTALL PER MANUFACTURER'S SPECIFICATIONS. TOP OF FOOTING TO BE BELOW AGGREGATE BASE.
- ⑥ AGGREGATE BASE, SEE SPECS.
- ⑦ CONCRETE SIDEWALK OR CURB
- ⑧ 1/4" STEEL PLATE FAN SHAPED BACKBOARD. HOT GALVANIZED FINISH
- ⑨ SUPER GOAL RIM OR EQUAL
- ⑩ ADJUSTABLE CLAMP (TYP.)
- ⑪ PIPE CAP.

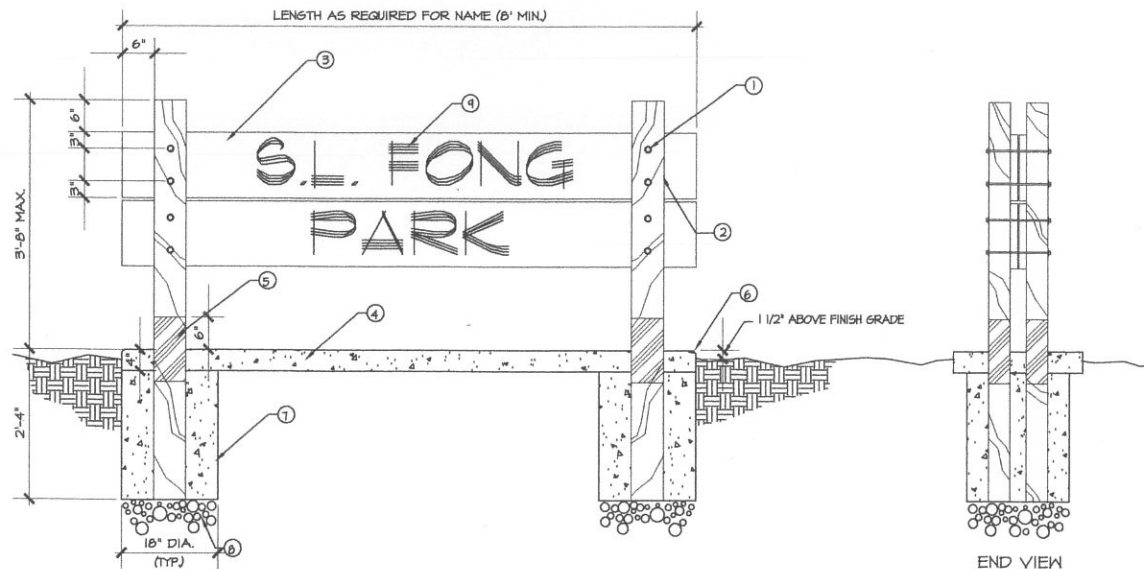
C Basketball Standard

Scale: 1" = 1'-0"

Section



PLAN VIEW



KEY NOTES

- ① 1/2" DIAMETER GALVANIZED BOLTS, WASHERS AND NUTS
- ② 4"x6" RECYCLED PLASTIC LUMBER POSTS
- ③ 2"x12" RECYCLED PLASTIC LUMBER WITH 1/2" DEEP ROUTED LETTERS ON STREET FACING SIDE
- ④ CONCRETE WITH 6"x6" (10x10) W.W.F. LIGHT BROOM FINISH
- ⑤ COPPER BASE WOOD PRESERVATIVE (TYP.)
- ⑥ 3/4" CHAMFER (TYP.)
- ⑦ CONCRETE FOOTING
- ⑧ AGGREGATE BASE COMPACTED 90%
- ⑨ SIGN LETTERS AND FONT TO BE SELECTED BY THE CITY OF STOCKTON.

E Park Sign

Not to Scale

Plan / Section

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S.L. FONG PARK PHASE ONE

DETAIL SHEET

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

REVISION NO.	DESCRIPTION	DATE	BY	APPROVED BY

SCALE: 1" = 20'-0"
DESIGNED BY: JFM
DRAWN BY: STAFF
CHECKED BY: MSE
RECORD DWS
DATE: OCTOBER 4TH 2002

APPROVED BY:
CITY ENGINEER
STOCKTON, CA

SHEET NO. 15 OF 24 SHEETS
PROJECT NO. 01-29

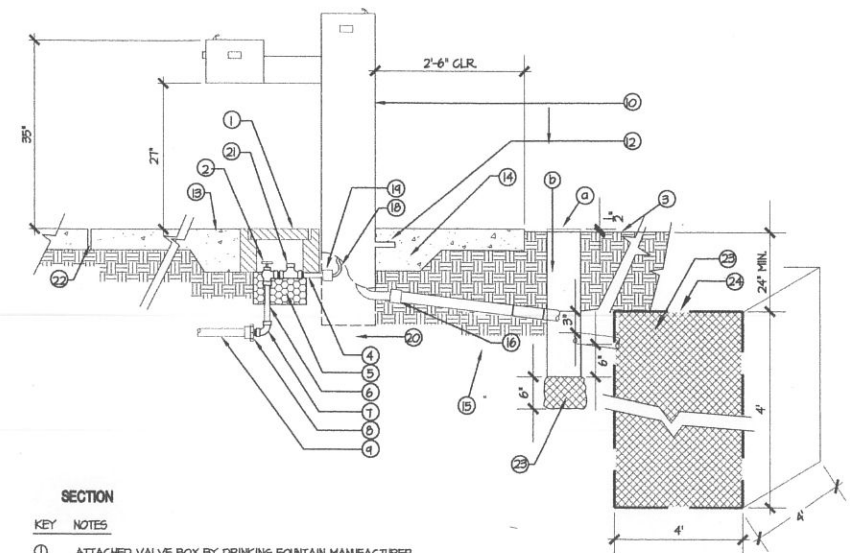
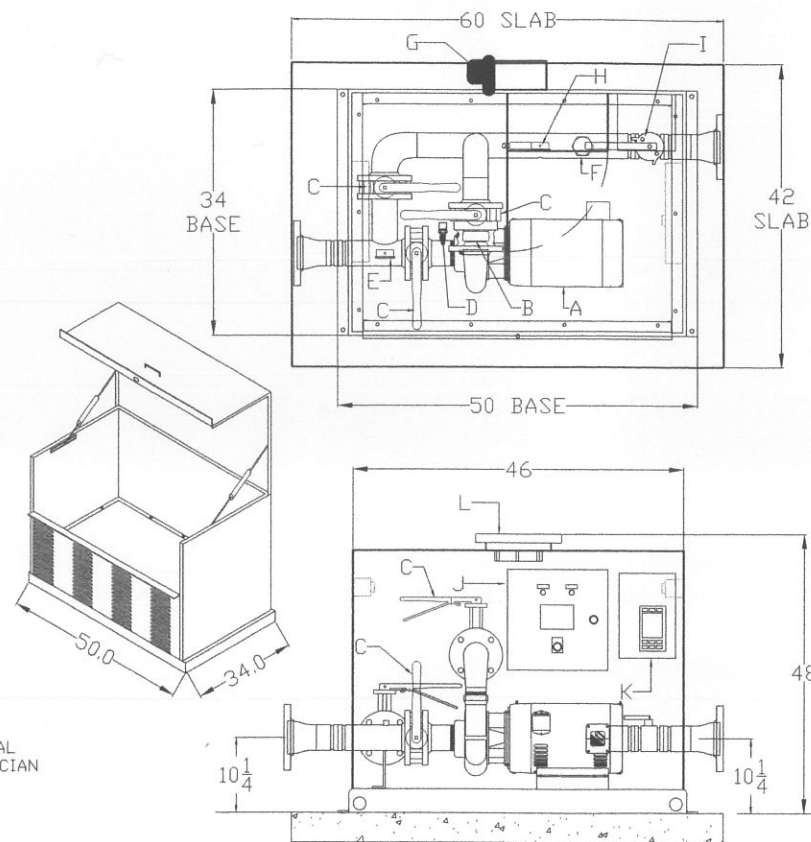
PUMP STATION SPECIFICATIONS:
 NAME:
 STATION MODEL: LSTBV
 STATION TOTAL PERFORMANCE: 240 GPM @ 60 PSI

PUMP HORSEPOWER:
 PUMP NO.1 15 HP

STATION COMPONENTS:
 A 15 HP PUMP AND MOTOR
 B CHECK VALVE
 C ISOLATION VALVE
 D TEMP SENSOR
 E PRESSURE GAUGE
 F FLOW SENSOR
 G STATION DISCONNECT
 H PRESSURE TRANSDUCER WITH PRESSURE GAUGE
 I STATION ISOLATION VALVE
 J CONTROL CABINET
 K VFD
 L STATION FAN (HOOD MOUNTED)

SPECIFICATIONS:
 -UL LISTED COMPLETE CONTROL PANEL BY WATERTRONICS
 -14 GA. ENCLOSED WITH LOCKABLE ACCESS COVER
 -15HP, 3600 RPM HORIZONTAL CENTRIFUGAL PUMP AND MOTOR
 -EXTERNAL ELECTRICAL DISCONNECT
 -INTERNAL MAGNETIC STARTER AND MOTOR OVERLOAD RELAY
 -LIQUID FILLED PRESSURE GAUGE ON DISCHARGE MANIFOLD
 -LIGHTING AND SURGE PROTECTION FOR CONTROLS
 -PUMP OPERATION FAN
 -LOW PRESSURE ALARM WITH SAFTY SHUT DOWN
 -PUMP INLET THERMAL PROTECTION SWITCH/ALARM
 -HAND/OFF/AUTO SELECTOR SWITCH
 -MAIN STATION ISOLATION, CHECK AND DRAIN VALVES
 -2.5" PRESSURE REDUCING VALVE
 -LOW FLOW THERMAL DISPERSION SWITCH
 -INTERNAL BY-PASS LINE
 -BAKED AND CURED TWO PART POLYURETHANE ULTRAVIOLET INSENSITIVE PAINT
 -FACTORY TESTED AT FULL DESIGN FLOW AND PRESSURE IN OUR 10,000 GALLON TEST FACILITY
 -12 MONTH LIMITED WARANTY ON ELECTRICAL AND MECHANICAL
 -TECHNICAL START-UP BY A TRAINED WATERTRONICS TECHNICIAN

NOTES:
 • ALL DIMENSIONS ARE IN INCHES
 • DRAWING NOT TO SCALE
 • COMPONENT PLACEMENT ON SKID MAY VARY.



SECTION

KEY NOTES

- ① ATTACHED VALVE BOX BY DRINKING FOUNTAIN MANUFACTURER
 - ② 3/4" ANGLE GATE VALVE
 - ③ FINISH GRADE
 - ④ 3/4" THD. GALV. SUPPLY LINE
 - ⑤ 3/4" THD. GALV. DRAIN ROCK. 8" X 8" X 8" AREA.
 - ⑥ 3/4" THD. GALV. RISER
 - ⑦ 3/4" GALV. TEE
 - ⑧ PVC 3/4" MIP ADAPTER
 - ⑨ 1/4" SCH. 40 PVC DOMESTIC SERVICE LINE. SEE SHT. 11.
 - ⑩ DRINKING FOUNTAIN. SEE LAYOUT LEGEND.
 - ⑪ NOT USED
 - ⑫ FOUNTAIN BASE, INSTALL PER MANUFACTURER'S INSTALLATION SPECS.
 - ⑬ CONCRETE PAVING, SEE DETAIL D/6.
 - ⑭ THICKENED EDGE
 - ⑮ 1" DRAIN LINE FOR DRINKING FOUNTAIN AND FLOOR DRAIN. CONNECT TO DRY WELL.
 - ⑯ PVC BUSHING. SIZE AS REQ'D FOR DRAIN LINE CONNECTION.
 - ⑰ SCORE JOINT
 - ⑱ 1/2" NYLON REINFORCED TUBING.
 - ⑲ WATER STRAINER. WRAP W/ INSULATING MATERIAL.
 - ⑳ COMPACTED SUBGRADE
 - ㉑ PLUGGED TEE FOR DOWN DRAIN
 - ㉒ EXPANSION JOINT
 - ㉓ 1/2" CRUSHED DRAIN ROCK (4" X 4" X 4").
 - ㉔ MIRAFLEX FILTER FABRIC
- CLEANOUT NOTES**
- ① PLASTIC VALVE BOX WITH BOLT DOWN COVER
 - ② 4" DIA. RIGID PVC CLEANOUT.

(A) Drinking Fountain Detail

Scale: 3/4" = 1'-0"

Plan / Section

PROPOSAL	7			SCALE: NONE	DRWN BY: RJS	TITLE:
MODEL #LSTB-15-240-3-2.5'	6			THIS DRAWING AND DESIGN, IS THE PROPERTY OF WATERTRONICS AND IS NOT TO BE REPRODUCED IN WHOLE OR PART, NOR EMPLOYED FOR ANY PURPOSE OTHER THAN SPECIFICALLY PERMITTED IN WRITING BY WATERTRONICS. THIS DRAWING LOANED AND SUBJECT TO RETURN ON DEMAND		STANDARD LSTB-15HP AND BELOW
	5					WATERTRONICS
	4					ELECTRONICALLY CONTROLLED PUMPING SYSTEMS
CONTACT PAT BRIGHIELLA (925) 634-0780 FOR COMPLETE SPECIFICATION DATA.	3					HARTLAND, WISCONSIN
	2			DATE: 6/11/01	SHEET 1 OF 1	
	1	--/--/----	----	JOB NO.: -----	DRAWING NO. ----	
	NO.	DATE	BY	DESCRIPTION		

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S.L. FONG PARK PHASE ONE

DETAIL SHEET

DEPARTMENT OF PUBLIC WORKS
 CITY OF STOCKTON, CALIFORNIA

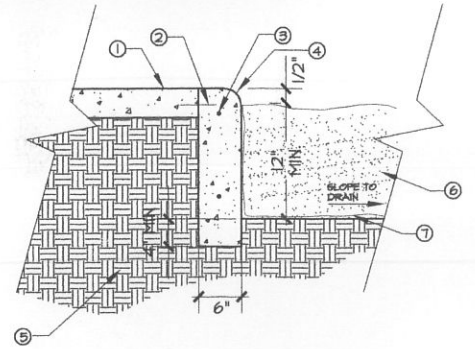
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				DRAWN BY: STAFF		OF 24 SHEETS	
				CHECKED BY: MSE		PROJECT NO.	
				RECORD DWS-		01-29	
				DATE: OCTOBER 4TH 2002			

PLAY EQUIPMENT LEGEND

5-12 YEAR OLD PLAY STRUCTURE			2-5 YEAR OLD PLAY STRUCTURE		
ITEM	QUANTITY	DESCRIPTION	ITEM	QUANTITY	DESCRIPTION
A	1	ROPE 16 MM 11' W/ CLEVIS	A	1	SLIDE DOUBLE 48
B	1	SLIDE WAVE T2	B	1	SLIDE GTR TURN
C	1	BALANCE BEAM SNAKE	C	4	POST R5 13 FT
D	8	POST R5 11 FT	D	4	POST R5 14 FT
E	6	POST R5 12 FT	E	3	DECK R5 1 SQ
F	2	POST R5 13 FT	F	1	TRANSFER STATION
G	4	POST R5 16 FT	G	1	STEP CLIMBER 48 R5
H	2	DECK R5 1 SQ	H	1	ARCH CLIMBER DEEP RUNG 48
I	4	DECK R5 2 TRI	I	3	WALL STEEL BARS R5
J	2	DECK R5 5 HALF SQ	J	1	WALL SIT DOWN R5
K	1	STEPS ADA 24" WALLS P5	K	1	SLIDE SIT DOWN BAR R5
L	1	TRANSFER STATION 12-42 R5	L	4	WALL HALF R5
M	2	STEP CLIMBER 36 R5	M	1	PANEL ROUND R5
N	1	STEP CLIMBER 48 R5	N	1	PANEL LABYRINTH INSERT
O	1	CLIMBING WALL T2 R5	O	2	SLIDE SINGLE SUB-ASSY
P	1	ARCH CLIMBER DEEP RUNG 36	P	1	SLIDE GTR TURN MID SUPPORT
Q	1	SPIRAL CLIMBER T2 R5	Q	2	ROOF PYRAMID SHINGLED R5
R	1	WALL STEEL BARS R5	R	1	STEERING WHEEL
S	1	WALL SIT-DOWN R5	S	1	2-5 YEARS SIGN MODEL PG 1302
T	8	WALL HALF R5			
U	2	TRANSITION WALL R5			
V	1	END ACCESS LADDER 3-RUNG			
W	1	HORIZONTAL LADDER CURVED R5			
X	1	RING TRAVERSE R5			
Y	1	SUSPENSION BRIDGE R5			
Z	2	PANEL ACTIVITY R5			
aa	1	PANEL CHIME INSERT			
bb	1	PANEL STORE R5			
cc	1	PANEL TIC-TAC-TOE INSERT			
dd	1	SLIDE SIGN SUB-ASSY			
ee	1	SLIDE WAY MID SUPPORT			
ff	1	SLIDE SPIRAL T2 R5			
gg	1	ROOF PYRAMID SHINGLED R5			
hh	1	STEERING WHEEL			
ii	1	5-12 YEARS SIGN MODEL PG 1303			

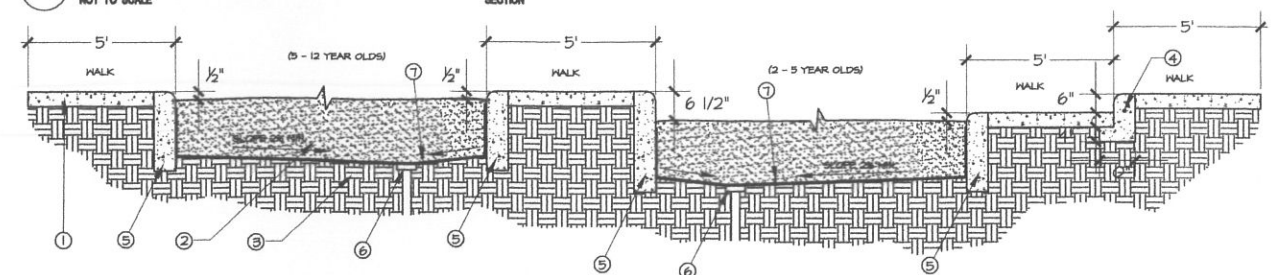
MANUFACTURED BY: KRAUSS GRAFT 1.800.333.8514.
 DISTRIBUTED BY: NORTH STATE PLAYGROUNDS
 871.473-1614 SEE SPECIFICATIONS.
 COLOR TO BE SELECTED BY CITY OF STOCKTON.

- PLAY EQUIPMENT NOTES**
- THE CONTRACTOR SHALL PROVIDE ALL NECESSARY SAFETY HARDWARE SOCKETS AND CLAMPS PER MANUFACTURERS SPECIFICATIONS.
 - THE CONTRACTOR SHALL PROVIDE:
 - A CERTIFIED PLAYGROUND SAFETY INSPECTION REPORT.
 - A LETTER FROM THE PLAY EQUIPMENT MANUFACTURER STATING THAT THE EQUIPMENT MEETS C.P.S.C. & A.S.T.M. PLAY EQUIPMENT SAFETY STANDARDS & GUIDELINES.



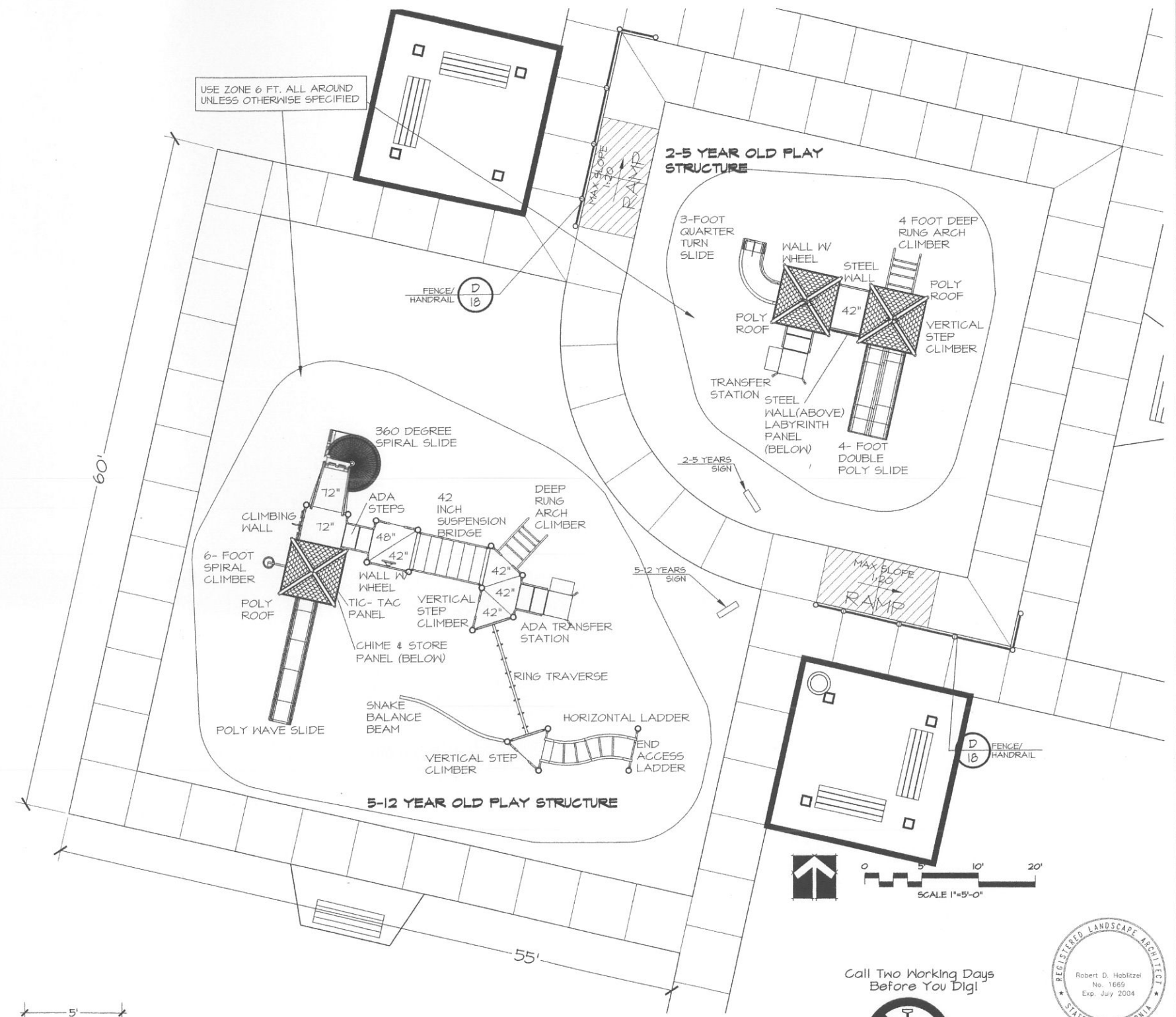
- KEY**
- CONCRETE PAVING, LIGHT BROOM FINISH (TYP); SEE DETAIL D/16.
 - 12" LONG #3 DOWEL @ 24" O.C.; SLEEVE ONE END
 - (2) #4 REBAR, CONTINUOUS, TYP.
 - 1/2" RADIUS TOOLED EDGE, TYP.
 - SUBGRADE COMPACTED TO 90% R.D.
 - WOOD FIBER 12" MIN. DEPTH
 - MIRAFI GEOX, SOIL BARRIER FABRIC

B Play Area Containment Curb
NOT TO SCALE



- KEY**
- CONCRETE PAVING; SEE DETAIL D, SHEET 16.
 - WOOD FIBER - SEE SPECIFICATIONS.
 - NATIVE SOIL, COMPACTED TO 90%
 - (2) #4 REBAR, CONTINUOUS, TYP.
 - PLAY AREA CURB. SEE DETAIL B, THIS SHEET
 - SEE CIVIL PLANS FOR DRAIN SPECIFICATIONS
 - MIRAFI GEOX, SOIL BARRIER FABRIC

C Play Area Section
NOT TO SCALE



A Play Area Detail Plan

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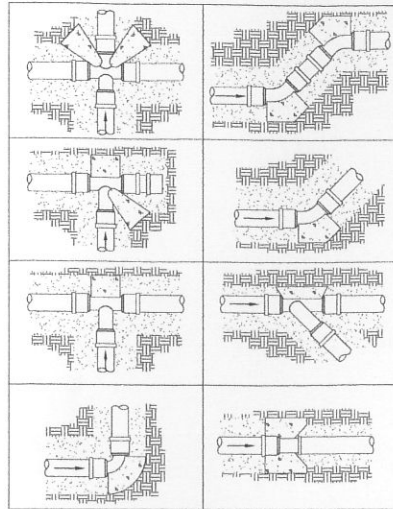


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S.L. FONG PARK PHASE ONE
DETAIL SHEET

DEPARTMENT OF PUBLIC WORKS
 CITY OF STOCKTON, CALIFORNIA

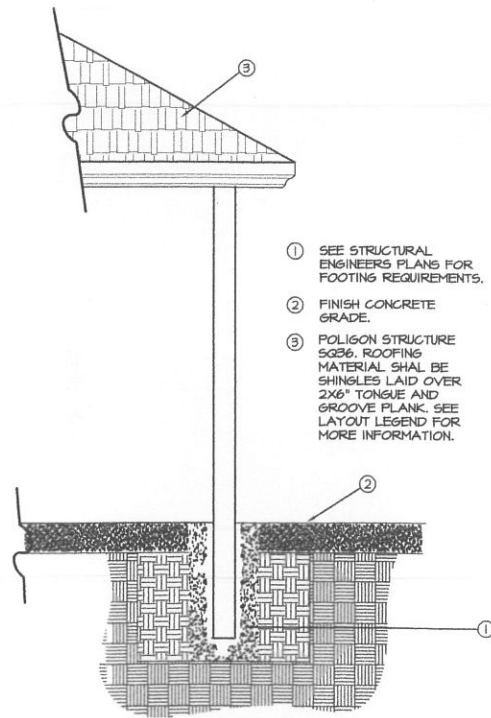
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	DRAWN BY: STAFF						
	CHECKED BY: MSE						
	RECORD DWS-						
	DATE: OCTOBER 4TH, 2002						
							PROJECT NO. 01-29



NOTES:

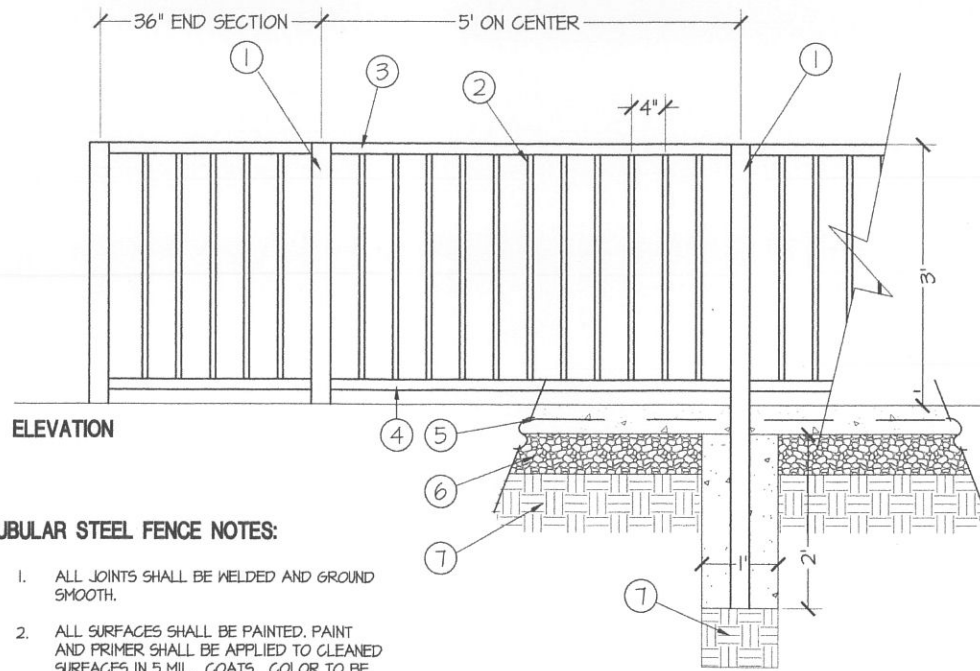
- 1) DO NOT COVER ANY JOINTS WITH CONCRETE.
- 2) SIZE OF THRUST BLOCKS AS SPECIFIED BY THE UNIFORM PLUMBING CODE, LATEST EDITION, FOR TYPE OF PIPE SPECIFIED.
- 3) BLOCKS TO BE PAVED AGAINST UNDISTURBED SOIL.
- 4) THRUST BLOCKS TO BE CONSTRUCTED WITH CLASS "B" CONCRETE.
- 5) INSTALL THRUST BLOCKS AT THE FOLLOWING CONDITIONS:
 - A) CHANGES IN DIRECTION AT, AS AT TEES AND BENDS.
 - B) CHANGES IN PIPE SIZE AS AT REDUCERS.
 - C) STOPS, AS AT LEAD ENDS.
 - D) VALVES WHERE THRUSTS MAY BE EXPECTED.
- 6) REFER TO SPECIFICATIONS AND PLAN SHEETS FOR MORE INFORMATION.

A Typical Thrust Block Details
Not To Scale PLAN



- 1 SEE STRUCTURAL ENGINEERS PLANS FOR FOOTING REQUIREMENTS.
- 2 FINISH CONCRETE GRADE.
- 3 POLIGON STRUCTURE SQ36. ROOFING MATERIAL SHAL BE SHINGLES LAID OVER 2X6" TONGUE AND GROOVE PLANK. SEE LAYOUT LEGEND FOR MORE INFORMATION.

C Picnic Shelter Column
N.T.S. SECTION



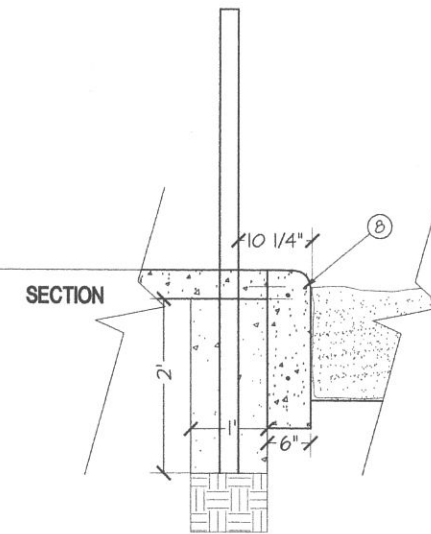
ELEVATION

TUBULAR STEEL FENCE NOTES:

1. ALL JOINTS SHALL BE WELDED AND GROUND SMOOTH.
2. ALL SURFACES SHALL BE PAINTED. PAINT AND PRIMER SHALL BE APPLIED TO CLEANED SURFACES IN 5 MIL. COATS. COLOR TO BE HUNTER GREEN WITH PRIOR APPROVAL FROM CITY.
3. FIELD VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION.
4. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND PAINT SAMPLES TO LANDSCAPE ARCHITECT PRIOR TO FABRICATION.
5. CONTRACTOR SHALL ENSURE THE SOIL HAS A HIGH MOISTURE CONTENT (4% OVER OPTIMUM) PRIOR TO PLACING CONCRETE FOOTING.

- 1 3" X 3" TUBULAR STEEL POSTS.
- 2 1" X 1" TUBULAR STEEL LATTICE WORK.
- 3 1 1/2" X 1 1/2" TUBULAR STEEL TOP RAIL.
- 4 1 1/2" X 1 1/2" TUBULAR STEEL BOTTOM RAIL.
- 5 CONCRETE PAVING. SEE DETAIL A, SHEET L5
- 6 SUBGRADE COMPACTED TO 90% RELATIVE COMPACTION
- 7 8" CRUSHED DRAIN ROCK BASE -- 45%
- 8 PLAY AREA CONTAINMENT CURB, SEE DEATIL B/16.

D TUBULAR STEEL FENCE/HANDRAILING DETAIL
NOT TO SCALE SECTION / ELEVATION



SECTION

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S.L. FONG PARK PHASE ONE
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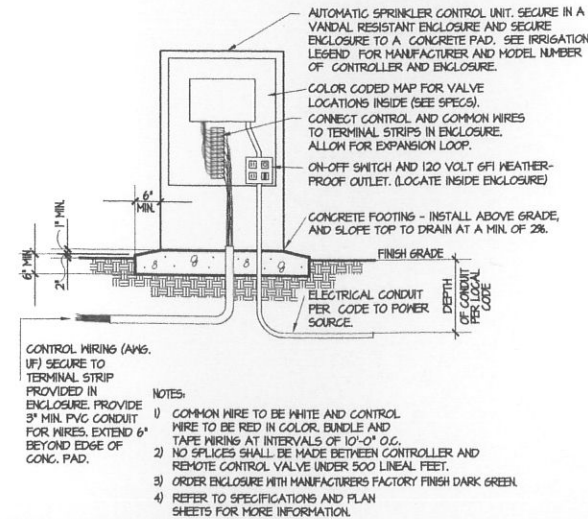
DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

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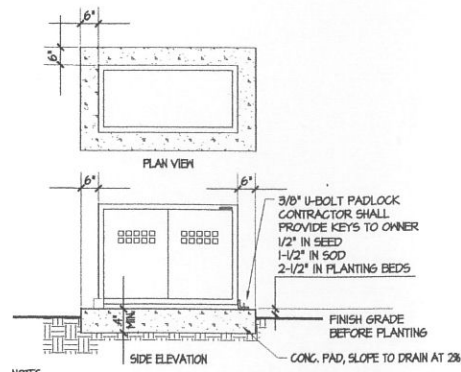
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STOCKTON, CA
DATE: 11/16/02

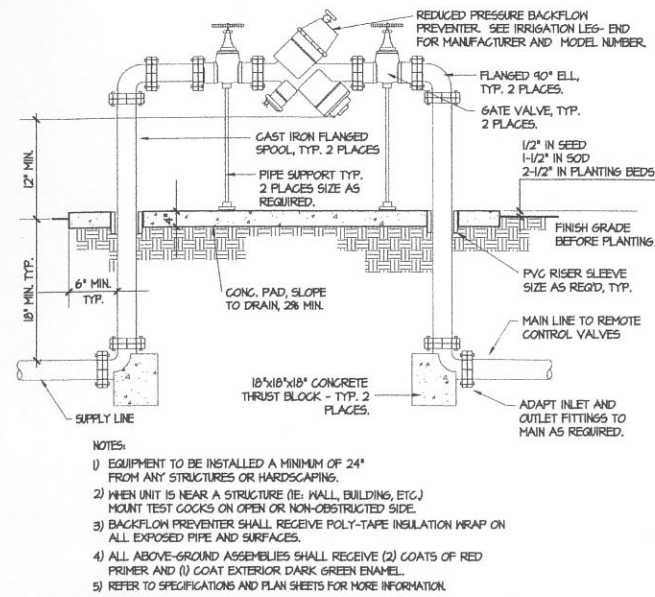
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PROJECT NO. 01-29



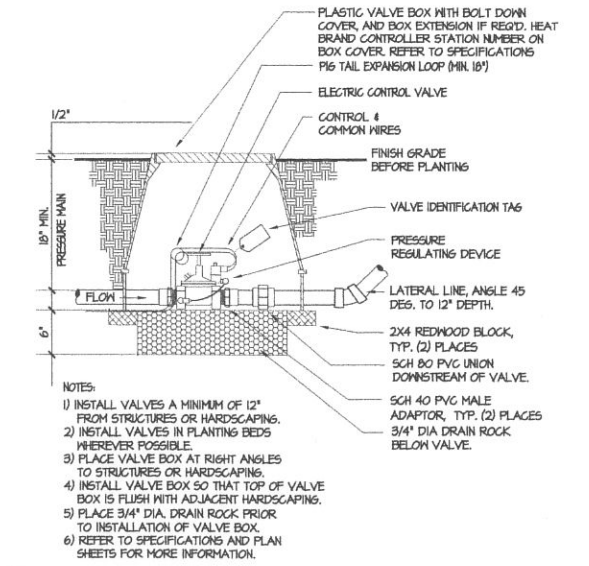
A Automatic Sprinkler Control Unit Detail
Not To Scale



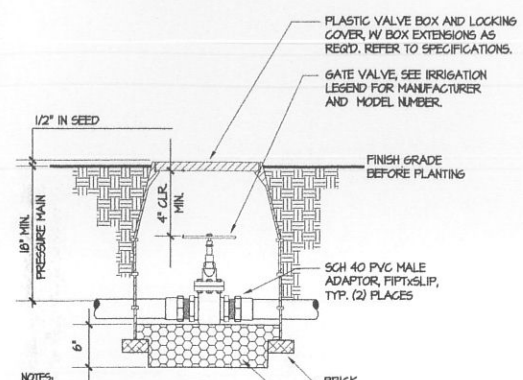
B Backflow Preventer Enclosure Detail
Not To Scale



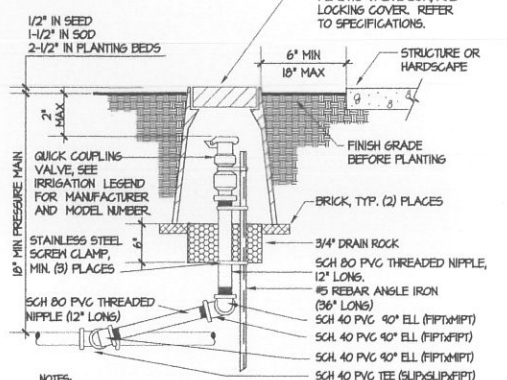
C Backflow Preventer Detail (2 1/2" & Larger)
Not To Scale



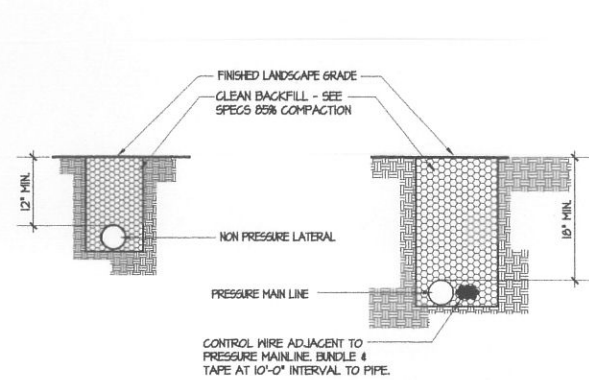
D Electric Control Valve Detail: 3" & Smaller
Not To Scale



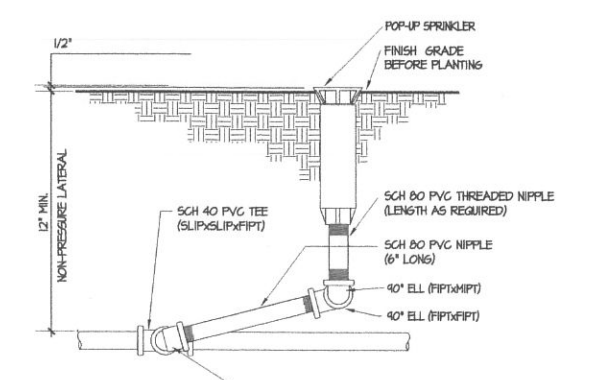
E Gate Valve Detail: Threaded Ends
Not To Scale



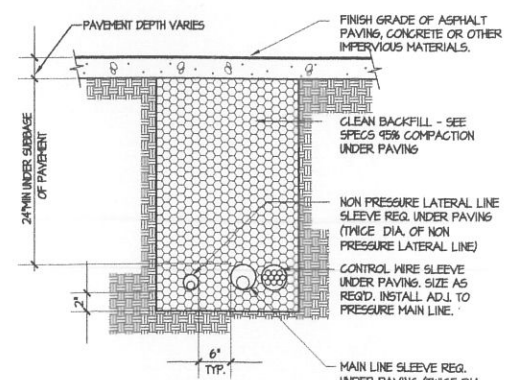
F Quick Coupling Valve Detail
Not To Scale



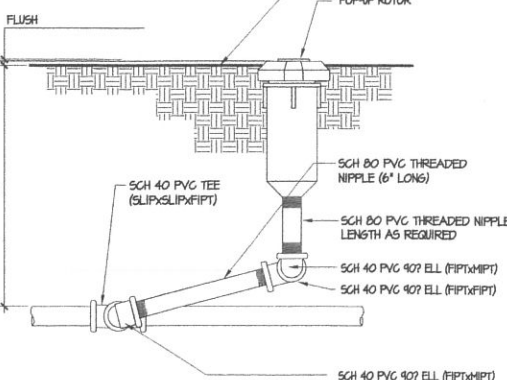
G Pipe Trenching Detail
Not To Scale



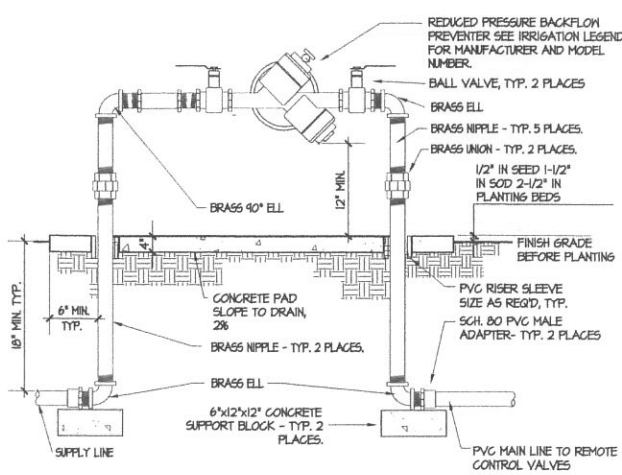
H Pop-Up Spray Detail
Not To Scale



I Pipe Trenching Under Pavement Detail
Not To Scale



J Pop-Up Rotor Detail
Not To Scale



K Backflow Preventer Detail (2" & Smaller)
Not To Scale

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DETAIL SHEET

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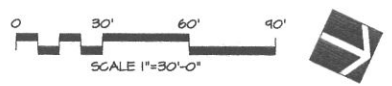
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S.L. FONG PARK PHASE ONE
TOPOGRAPHIC SURVEY

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[Signature]
CITY ENGINEER
STOCKTON, CA
DATE: 11/10/02

SHEET NO.
20
OF 24 SHEETS
PROJECT NO.
01-24

ELECTRICAL NOTES

GENERAL NOTES:

- ELECTRICAL INSTALLATION SHALL COMPLY WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS, INCLUDING THE FOLLOWING:
 TITLE 24, CCR, PART 2, 1997 UBC
 TITLE 24, CCR, PART 3, 1996 NEC
 TITLE 24, CCR, PART 4, 1997 UMC
 TITLE 24, CCR, PART 9, 1997 UFC
 ALL APPLICABLE LOCAL CODES.
- ELECTRICAL CONTRACTOR SHALL VERIFY POWER SERVICE AT SITE PRIOR TO BIDDING. SERVICE TO CONFORM TO UTILITY COMPANY REQUIREMENTS.
- ELECTRICAL CONTRACTOR SHALL PROCURE AND PAY FOR ALL LICENSES, ETC. REQUIRED TO CARRY ON AND COMPLETE THE WORK. ADDITIONALLY, HE/SHE SHALL OBTAIN ALL PERMITS NECESSARY. CITY TO PROVIDE PERMIT AT "NO COST" TO CONTRACTOR.
- PROVIDE ALL LABOR, MATERIALS, TOOLS, PLANT, EQUIPMENT, TRANSPORTATION AND PERFORM ALL OPERATIONS NECESSARY FOR PROPER EXECUTION AND COMPLETION OF ALL "ELECTRICAL WORK" COVERED UNDER THIS PROJECT.
- ALL ELECTRICAL MATERIALS SHALL BE NEW AND LISTED WITH THE UNDERWRITERS' LABORATORIES, INC., SHALL MEET THEIR REQUIREMENTS AND SHALL BEAR THEIR LABEL WHEREVER STANDARDS HAVE BEEN ESTABLISHED AND LABEL SERVICE IS REGULARLY FURNISHED BY THAT AGENCY.
- ELECTRICAL DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC AND ALTHOUGH THE SIZE AND LOCATIONS OF EQUIPMENT ARE SHOWN TO SCALE WHEREVER POSSIBLE, CONTRACTOR SHALL MAKE USE OF ALL DATA IN ALL CONTRACT DOCUMENTS AND VERIFY THIS INFORMATION AT THE SITE. CONTRACTOR SHALL BE RESPONSIBLE FOR LAYING OUT AND INSTALLING HIS WORK TO AVOID INTERFERENCE WITH OTHER TRADES.
- CONDUCTORS SHALL BE 600V COPPER CONDUCTORS TYPE THWN UNLESS OTHERWISE NOTED OR REQUIRED BY CODE.
- WORK SHOWN ON THE DRAWINGS TO BE INSTALLED UNDERGROUND SHALL BE INSTALLED AT LEAST 24" BELOW GRADE. BACKFILL IN 6" THICK, PROPERLY MOISTENED LAYERS, SOLIDLY PACKED AND IRON TAMPED TO A DENSITY NOT LESS THAN THAT OF ADJACENT, UNDISTURBED EARTH. RESTORE SURFACES, ROADWAYS, WALKS, CURBS, WALLS, EXISTING UNDERGROUND INSTALLATIONS TO ORIGINAL CONDITION IN AN ACCEPTABLE MANNER.
- DETERMINE EXACT ROUTE OF UNDERGROUND CONDUIT WITH LANDSCAPE ARCHITECT IN FIELD PRIOR TO ANY TRENCHING. CONTRACTOR SHALL VERIFY ACTUAL LOCATION OF ALL EXISTING UTILITIES PRIOR TO TRENCHING, ETC.

PATHWAY AND PARKING LOT LIGHTING NOTES:

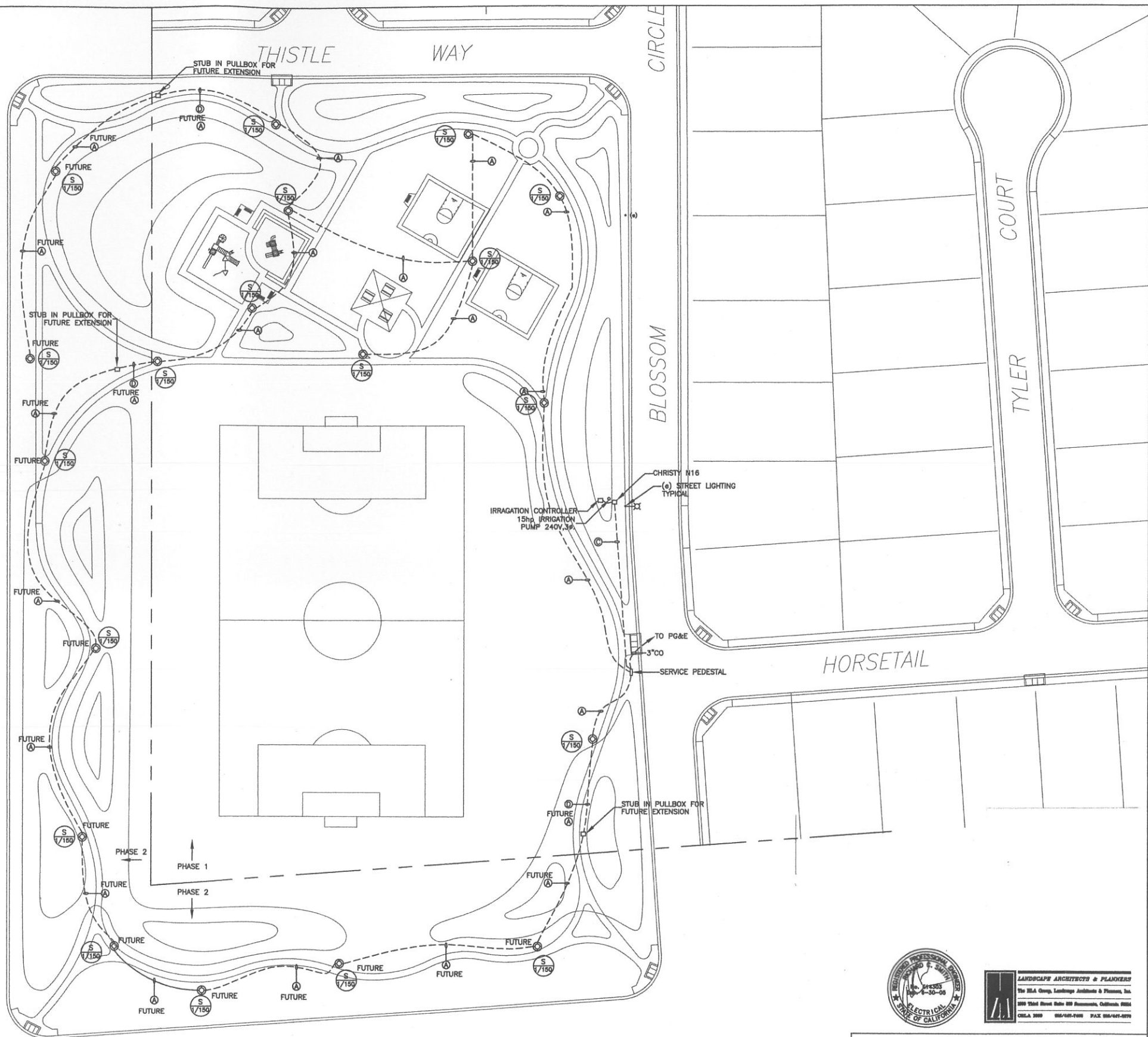
- ALL WALKWAY LIGHTING AND PARKING LOT LIGHTING SHALL BE UNMETERED, POWERED FROM UTILITY COMPANY POWER SOURCE SUITABLE FOR STREET LIGHTING.
- ALL POWER SUPPLY TO LUMINAIRES SHALL HAVE APPROPRIATE IN LINE FUSES INSTALLED IN PROPER WEATHERPROOF FUSE HOLDERS LOCATED IN LUMINAIRE HAND HOLES.
- STRICTLY FOLLOW THE COLOR CODE FOR CABLES FOR PHASES PER NEC. THE SAME PHASE SHALL BE IDENTIFIED BY THE SAME PHASE COLOR THROUGHOUT THE INSTALLATION.
- PROVIDE A 5/8"x8" COPPER CLAD GROUND ROD IN EACH UNDERGROUND PULLBOX FOR PATHWAY LIGHTING SYSTEM. GROUND POLE ASSEMBLY AND GROUND CIRCUIT CONDUCTOR TO THE GROUND ROD USING #8 COPPER CONDUCTOR. SEE CITY OF STOCKTON STANDARD DRAWING No. 111.
- MINIMUM UNDERGROUND CONDUIT SIZE SHALL BE 1-1/2" UNLESS OTHERWISE NOTED. SEE CITY OF STOCKTON STANDARD DRAWING No. 114 ITEM 2.
- MINIMUM CONDUCTOR SIZE FOR PATHWAY LIGHTING SHALL BE #8 INCLUDING GROUND.

IRRIGATION CONTROLLER NOTES:

- LOCATION OF IRRIGATION CONTROLLERS ARE APPROXIMATE ONLY. COORDINATE WITH IRRIGATION SYSTEM CONTRACTOR FOR EXACT LOCATION. PROVIDE HARDWIRED 120V POWER CONDUIT CONNECTION AT EACH CONTROLLER.

WIRE LEGEND

ID	CONDUIT	WIRE
A	1.5" C	2#8+1#8 GRD
B	1.5" C	4#8+1#8 GRD
C	2" C	3#2+1#8 GRD.(PUMP)
D	1.5" C	PULLROPE
E	1.5" C	2#8+1#8GRD. (IRRIGATION CONTROLLER)



ELECTRICAL SITE PLAN

SCALE 1"=40'-0"



HCS ENGINEERING, INC.
 CONSULTING ELECTRICAL ENGINEERS
 4651 QUAIL LAKES DRIVE
 STOCKTON, CA 95207 (209)478-8270
 E-MAIL ADDRESS - rcsmith@hcsengineering.com
 PROJ. 2001.220 DES. RCS ENG. RCS



LANDSCAPE ARCHITECTS & PLANNERS
 The HSA Group, Landscape Architects & Planners, Inc.
 100 Third Street Suite 200 Stockton, California 95204
 (209) 944-1000 FAX (209) 944-2000

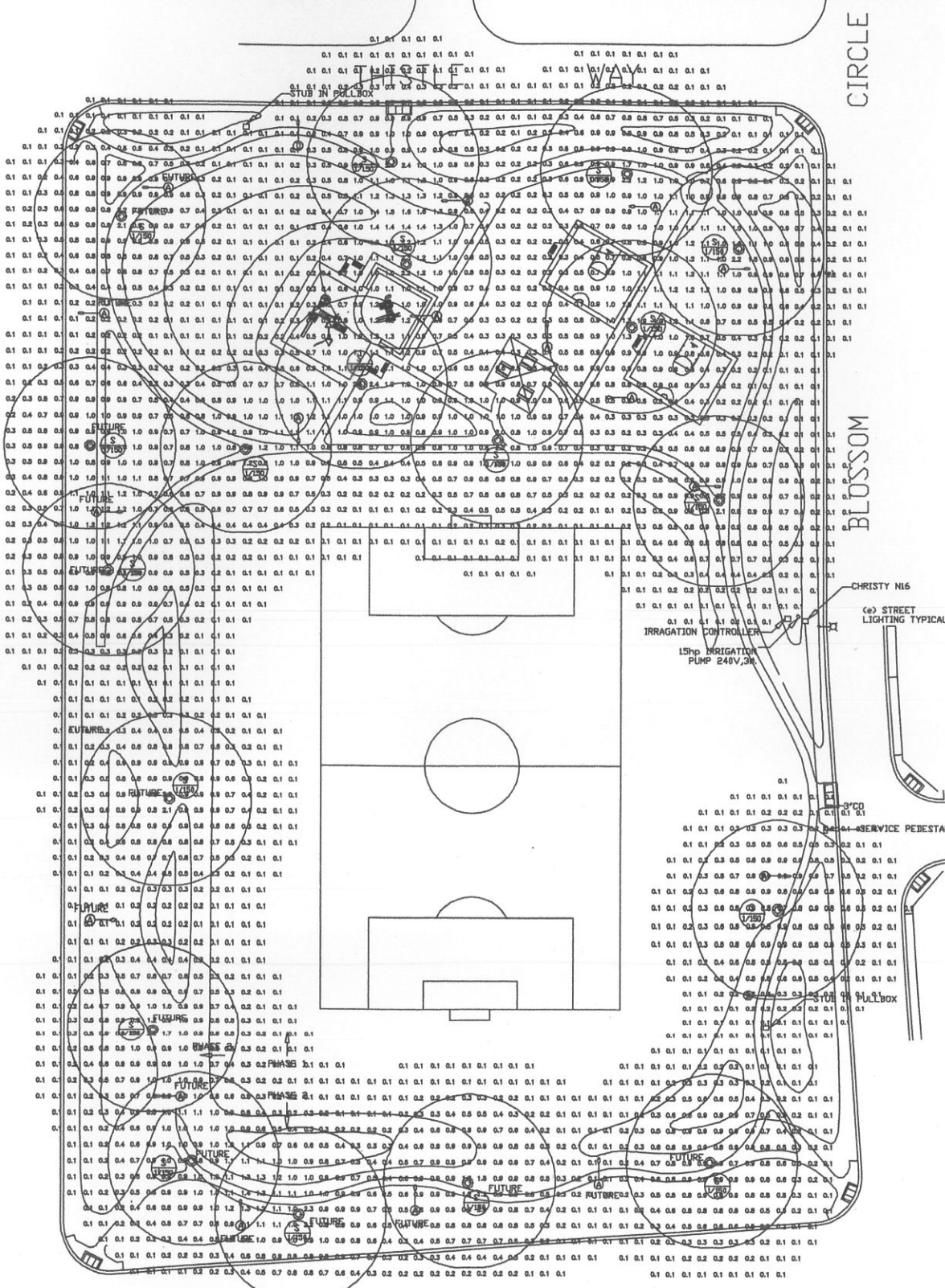
S.L. FONG PARK

SITE LIGHTING PLAN

DEPARTMENT OF PUBLIC WORKS
 CITY OF STOCKTON, CALIFORNIA

REVISION NO.	DESCRIPTION	DATE	BY	APPROV. BY	SCALE:	NOTED	APPROVED BY:	SHEET NO.
1	PLAN CHECK	8/02	RCS					21
								OF 24 SHEETS
								PROJECT NO.
								01-29

DATE: 11/10/02



PHOTOMETRIC STUDY

SCALE 1"=40'-0"



LANDSCAPE ARCHITECTS & PLANNERS
 The H.A. Group, Landscape Architects & Planners, Inc.
 100 Third Street Suite 200 Sacramento, California 95833
 (916) 441-1000 FAX (916) 441-0070

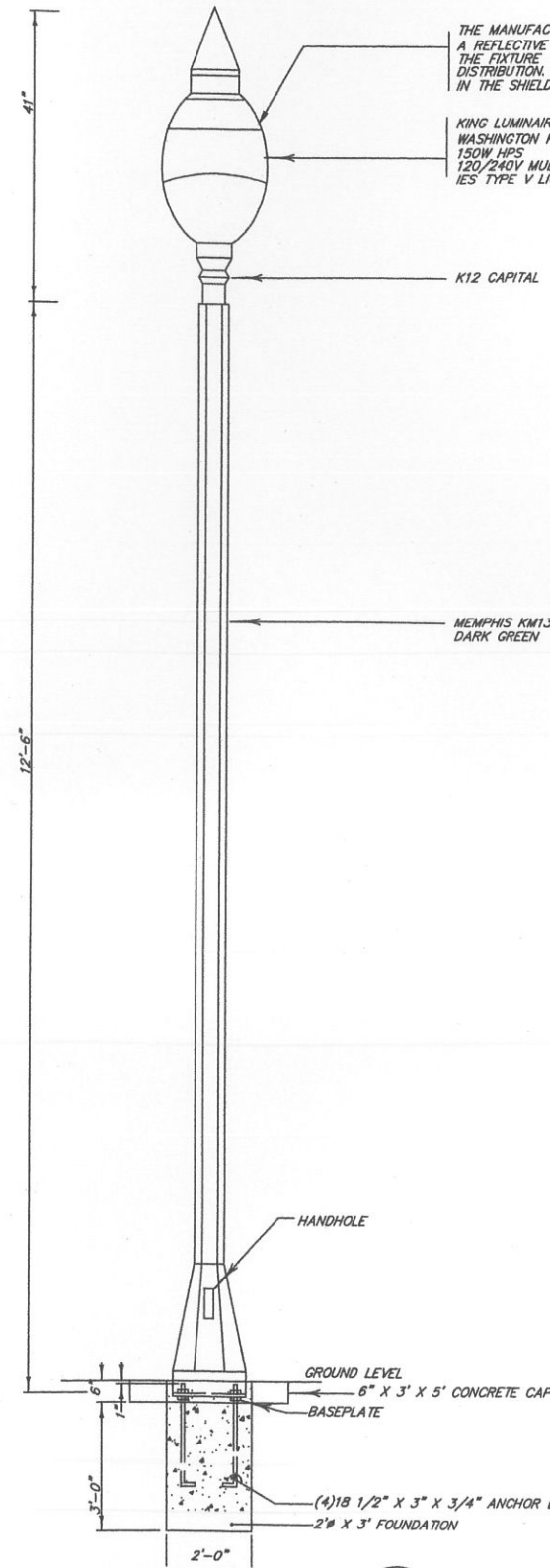
HCS ENGINEERING, INC.
 CONSULTING ELECTRICAL ENGINEERS
 4651 QUAIL LAKES DRIVE
 STOCKTON, CA 95207 (209) 478-8270
 E-MAIL ADDRESS - rcsmith@hcsengineering.com
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S.L. FONG PARK
 PHOTOMETRIC STUDY

DEPARTMENT OF PUBLIC WORKS
 CITY OF STOCKTON, CALIFORNIA

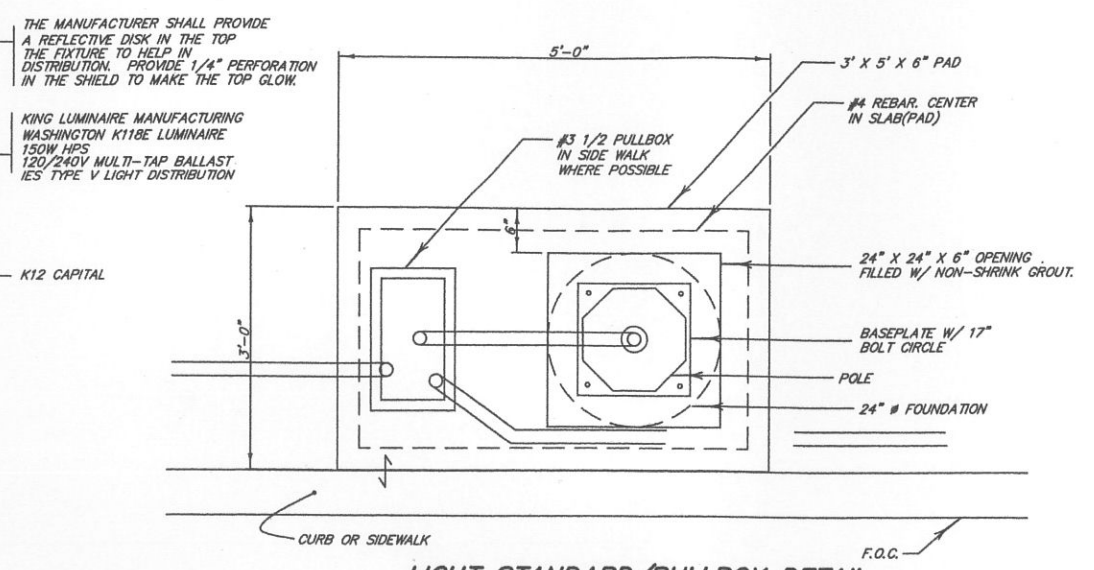
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					RECORD DWG:			
					DATE: 09-01			

11.11.02

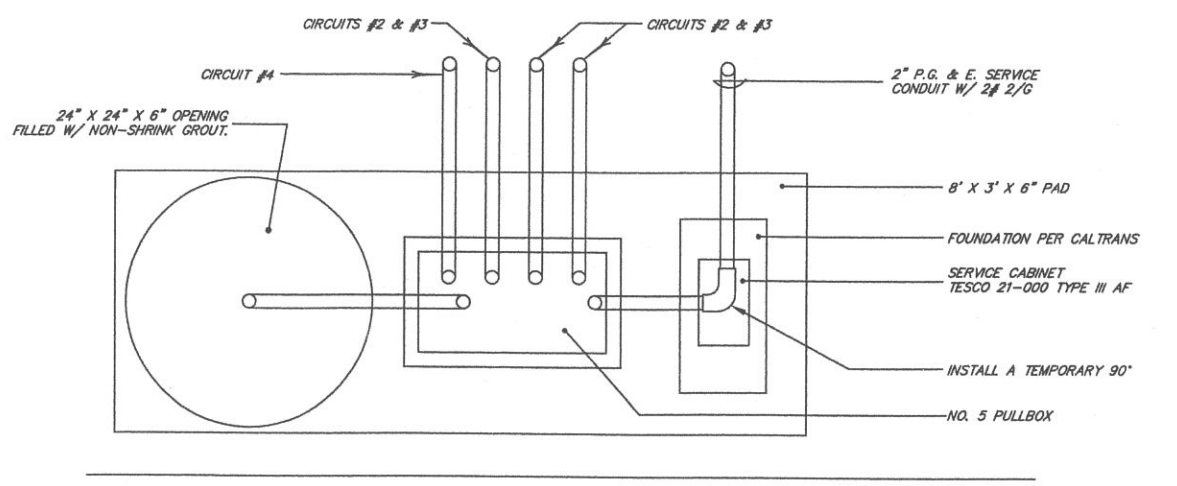


FOUNDATION DETAIL
NO SCALE

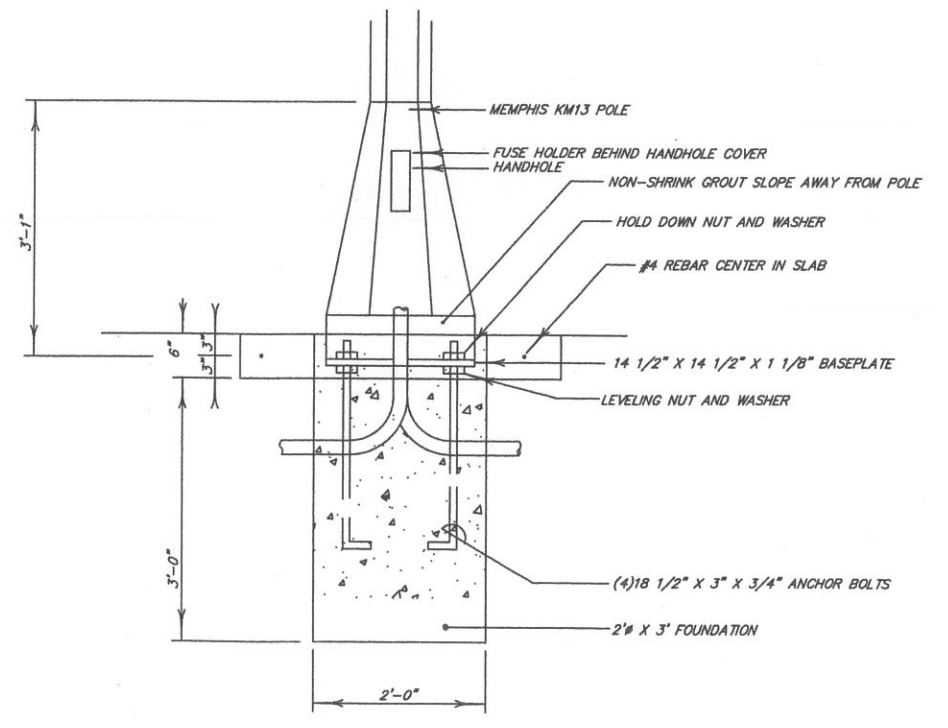
S
1/150



LIGHT STANDARD/PULLBOX DETAIL
NO SCALE



LIGHT STANDARD/PULLBOX/SERVICE DETAIL
NO SCALE



FOUNDATION DETAIL
NO SCALE

HCS ENGINEERING, INC.
CONSULTING ELECTRICAL ENGINEERS
4651 QUAIL LAKES DRIVE
STOCKTON, CA 95207 (209)478-8270
E-MAIL ADDRESS - rcsmith@hcsengineering.com
PROJ. 2001.220 DES. RCS ENG. RCS



LANDSCAPE ARCHITECTS & PLANNERS
The H.A. Gray, Landscape Architects & Planners, Inc.
100 Third Street Suite 100 Stockton, California 95210
CELA 180 88/48-740 FAX 88/487-889

S.L. FONG PARK

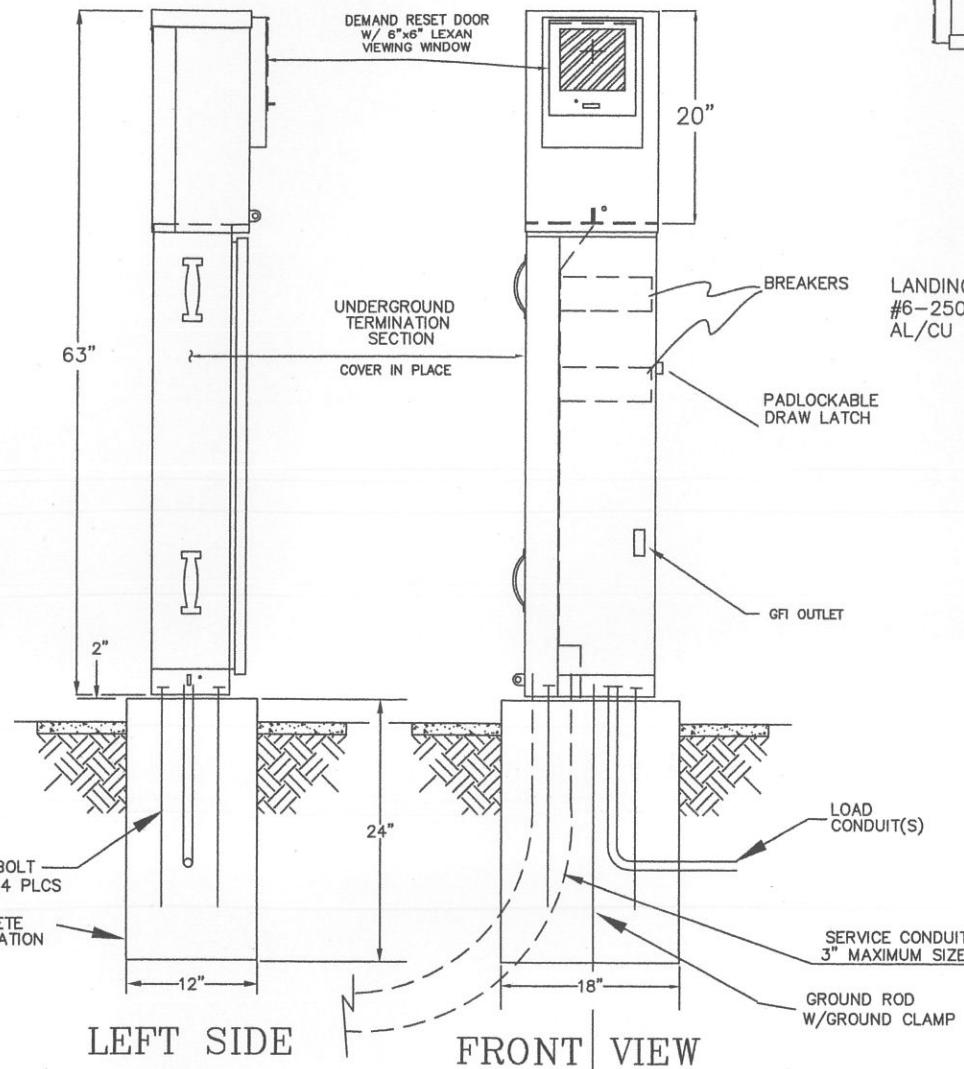
ELECTRICAL DETAILS

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

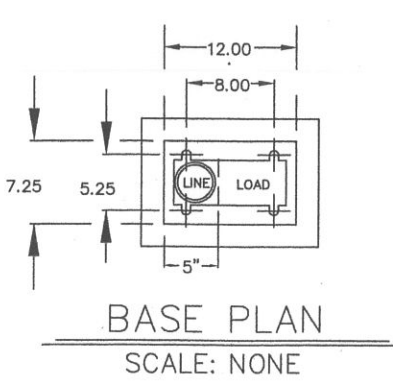
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					DATE: 09-01			

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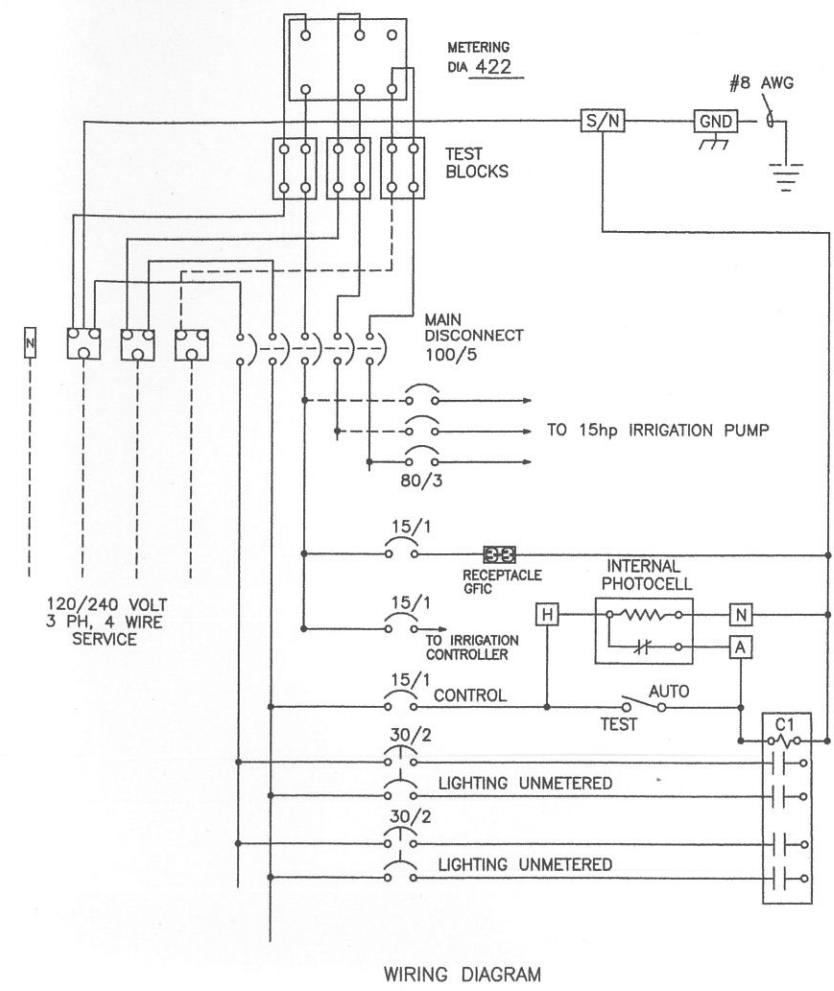
METERING SECTION HOOD
FRONT-TOP & SIDES HINGED



LEFT SIDE
HOOD OPEN
COVER REMOVED



BASE PLAN
SCALE: NONE



WIRING DIAGRAM

ELECTRICAL SYMBOLS

Ⓞ	FLUORESCENT LIGHT FIXTURE	Ⓢ	CAP. LETTER=TYPE SM. LETTER=SWITCHING NUMBER=CIRCUIT NO.
Ⓜ	RECESSED LIGHT FIXTURE	Ⓡ	FLUSH
Ⓝ	CEILING LIGHT FIXTURE		
ⓂⓈ	WALL BRACKET LIGHT FIXTURE		
ⓃⓈ	ELECTROLIER. LETTER INDICATES TYPE.		
Ⓢ	LIGHT SWITCH - SPST	UP 48" U.O.N.	
ⓈⓈ	120 VOLT DUPLEX WALL OUTLET	UP 15" U.O.N.	
ⓈⓈⓈ	120 VOLT FOURPLEX OUTLET		
ⓈⓈⓈⓈ	JUNCTION BOX		
ⓈⓈⓈⓈⓈ	CONDUIT WITH INSULATED GROUND WIRE	MIN. SIZE=3/4" C	
ⓈⓈⓈⓈⓈⓈ	CONDUIT CONCEALED IN FLOOR OR UNDERGROUND	TICS=NO OF #12 WIRES	
ⓈⓈⓈⓈⓈⓈⓈ	DISTRIBUTION PANEL	NO TICS=2#12 U.O.N.	
ⓈⓈⓈⓈⓈⓈⓈⓈ	LIGHTING PANEL		
ⓈⓈⓈⓈⓈⓈⓈⓈⓈ	SIGNAL CABINET AS DESIGNATED		
ⓈⓈⓈⓈⓈⓈⓈⓈⓈⓈ	PULL BOX		
ⓈⓈⓈⓈⓈⓈⓈⓈⓈⓈⓈ	POWER PEDESTAL		
ⓈⓈⓈⓈⓈⓈⓈⓈⓈⓈⓈⓈ	IRRIGATION CONTROLLER		
ⓈⓈⓈⓈⓈⓈⓈⓈⓈⓈⓈⓈⓈ	TRANSFORMER		
ⓈⓈⓈⓈⓈⓈⓈⓈⓈⓈⓈⓈⓈⓈ	GROUND ELECTRODE		
ⓈⓈⓈⓈⓈⓈⓈⓈⓈⓈⓈⓈⓈⓈⓈ	PARK LIGHT SEE STANDARD DETAIL SHEET E23		

ELECTRICAL ABBREVIATIONS

A.F.G. ABOVE FINISHED GRADE
A.F.F. ABOVE FINISHED FLOOR
UG UNDERGROUND
NL NIGHT LIGHT
WP WEATHERPROOF
CO CONDUIT ONLY
C CONDUIT
U.O.N. UNLESS OTHERWISE NOTED
NO. NUMBER
MIN. MINIMUM
MAX. MAXIMUM
A, AMP AMPERE
W/ WITH
GFI GROUND FAULT INTERRUPTER
& AND
(e) EXISTING
(R) REMOVE
A.I.C. AMPERE INTERRUPTING CAPACITY
GRD. GROUND
V VOLT
CKT. CIRCUIT
KW KILOWATT
KVA KILOVOLT AMPERE
SP SPACE
CU COPPER
AL ALUMINUM
LC LIGHTING CONTACTOR
PB PULL BOX

ENCLOSURE CONSTRUCTION NOTES

- FABRICATED FROM 1/8" ALUMINUM SHEET STOCK ELECTRICALLY WELDED AND REINFORCED WHERE REQUIRED.
- CONSTRUCTION WILL BE NEMA 3R RAIN TIGHT.
- ALL NUTS, BOLTS, SCREWS AND HINGES WILL BE STAINLESS STEEL.
- NUTS, BOLTS & SCREWS WILL NOT BE VISIBLE FROM OUTSIDE OF ENCLOSURE.
- PHENOLIC NAMEPLATES WILL BE PROVIDED AS REQUIRED.
- CONTROL WIRING WILL BE MARKED AT BOTH ENDS BY PERMANENT WIRE MARKERS.
- A PLASTIC COVERED WIRING DIAGRAM WILL BE ATTACHED TO THE INSIDE OF THE FRONT DOOR.
- ENCLOSURE WILL BE FACTORY WIRED AND CONFORM TO REQUIRED NEMA STANDARDS.
- ANODIZED AFTER FABRICATION.
- MINIMUM DIMENSIONS INDICATED. PEDESTAL ENCLOSURE TO BE SIZED PER P.G.&E. REQUIREMENTS AND TO INCORPORATE ALL ITEMS PER ONE LINE DIAGRAM AND CONTROL SCHEMATICS.
- PEDESTAL AS MANUFACTURED BY TESCO OR MILBANK WEST, WITH A METERED SECTION, CIRCUIT BREAKER DISTRIBUTION SECTION, CONTACTORS, RECEPTACLES, PHOTOCELL, TERMINAL BLOCKS, SEPARATION BARRIERS, ETC. MADE OF ANODIZED ALUMINUM ALL FASTENERS & HINGES TO BE STAINLESS STEEL.
- COMPLETE PEDESTAL SHALL COMPLY WITH UTILITY REGULATIONS AND REQUIREMENTS AND SHALL BE APPROVED BY THE SAME PRIOR TO FABRICATION.
- FINISH COLOR: ANODIZED ALUMINUM. NO PAINTING IS ALLOWED.
- UL LISTED.



LANDSCAPE ARCHITECTS & PLANNERS
The H.A. Group, Landscape Architects & Planners, Inc.
289 Third Street Suite 200 Stockton, California 95204
TEL: 209 944-1100 FAX: 209/441-8899

HCS ENGINEERING, INC.
CONSULTING ELECTRICAL ENGINEERS
4651 QUAIL LAKES DRIVE
STOCKTON, CA 95207 (209)478-8270
E-MAIL ADDRESS - rcamith@hcsengineering.com
PROJ. 2001,220 DES. RCS ENG. RCS

S.L. FONG PARK
PEDESTAL DETAILS

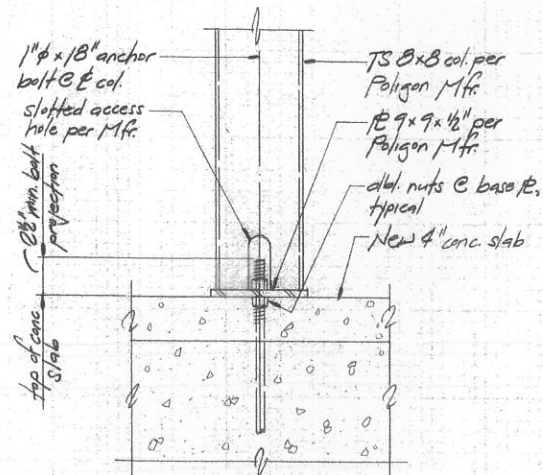
DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

REVISION NO.	DESCRIPTION	DATE	BY	APPRVD. BY	SCALE:	NOTED	APPROVED BY:	SHEET NO.
1	PLAN CHECK	8/02	RCS					24
	DESIGNED BY:		RCS					OF 24 SHEETS
	DRAWN BY:		MEC/RCS					PROJECT NO.
	CHECKED BY:		RCS					01-29
	RECORD DWG:							
	DATE:	09-01						

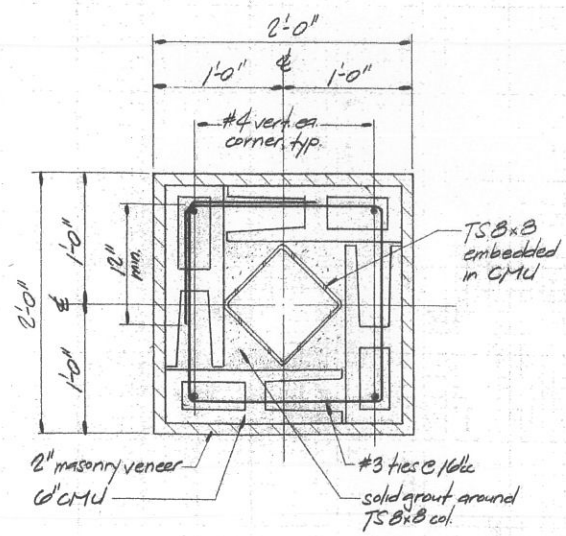
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General Notes

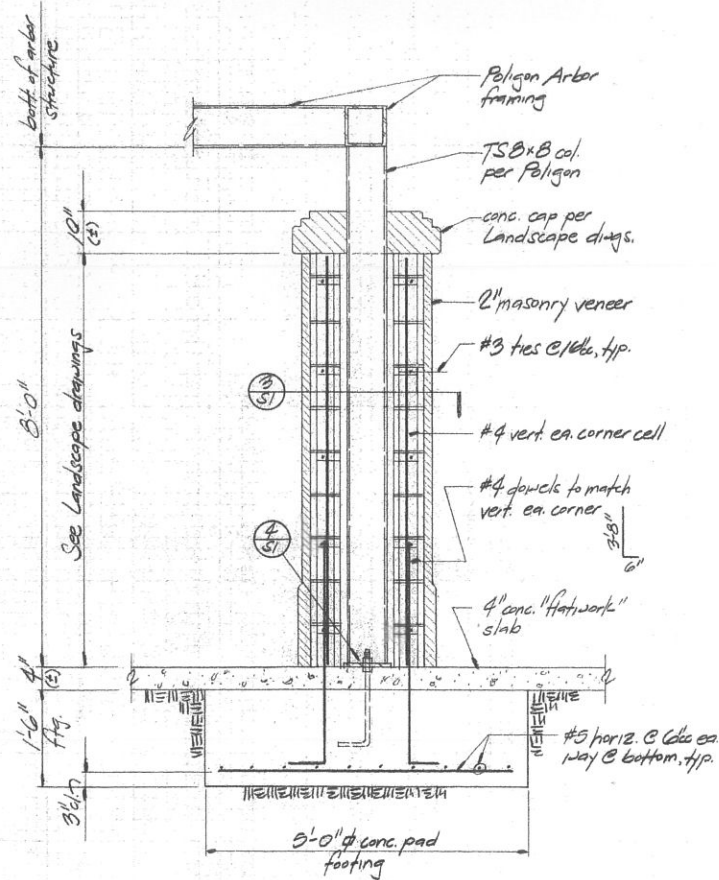
- Applicable Codes**
All details of design and construction shall comply with the Uniform Building Code, 1997 Edition.
- Design Data**
Roof Live Load: Poligon Arbor: 16 psf (4:12 roof slope)
Wind: Exposure C, Wind speed 80 mph, I = 1.0
Seismic: Zone 3, S_o soil profile
- Foundations**
- Notify Engineer 48 hours before pouring foundations for inspection.
 - Soils information: No soils report available. Assumed max. allowable soil values per UBC Table 18-1-A:
 - Fsp = 1,000 psf (DL+LL)
 - Passive pressure = 100 psf per foot of depth
 - Footings shall bear on firm, undisturbed natural ground. All bearing foundations shall be poured into neat excavations, and precautions taken to prevent the edges from sloughing into the excavations. Bottoms of footings shall be level.
 - Bearing surfaces of columns on footings shall be smooth and level; all bearing surfaces shall be at a uniform elevation. Maintain minimum projection of anchor bolt above finished slab surface of 2-1/2 inches per details.
- Concrete**
- Reinforcing steel shall be intermediate grade billet steel bars conforming to ASTM designation A-615, Grade 60. All clear dimensions shown for location of reinforcing are to face of bars and denote clear coverage.
 - All dimensions shown for location of reinforcing are to face of main bars and denote clear coverage.
 - Concrete mix shall be proportioned such that all structural concrete has an ultimate compressive strength (f_c) of 2,500 psi minimum at 28 days. Concrete mix design shall be prepared by a qualified laboratory and submitted to the Structural Engineer for review and approval prior to any placement of concrete. No special inspection of concrete work is required.
- Miscellaneous**
- Design and fabrication of the Poligon arbor structure above finished slab elevation shall be the responsibility of the manufacturer, refer to manufacturer's drawings for dimensions, member sizes, connections, etc.
 - Refer to Landscape drawings by The HLA Group for details of concrete slab "flatwork", i.e., slab elevations and/or slopes, slab thickness, reinforcement, underlayment, and joint types / locations at area of Poligon arbor and trellis structures.



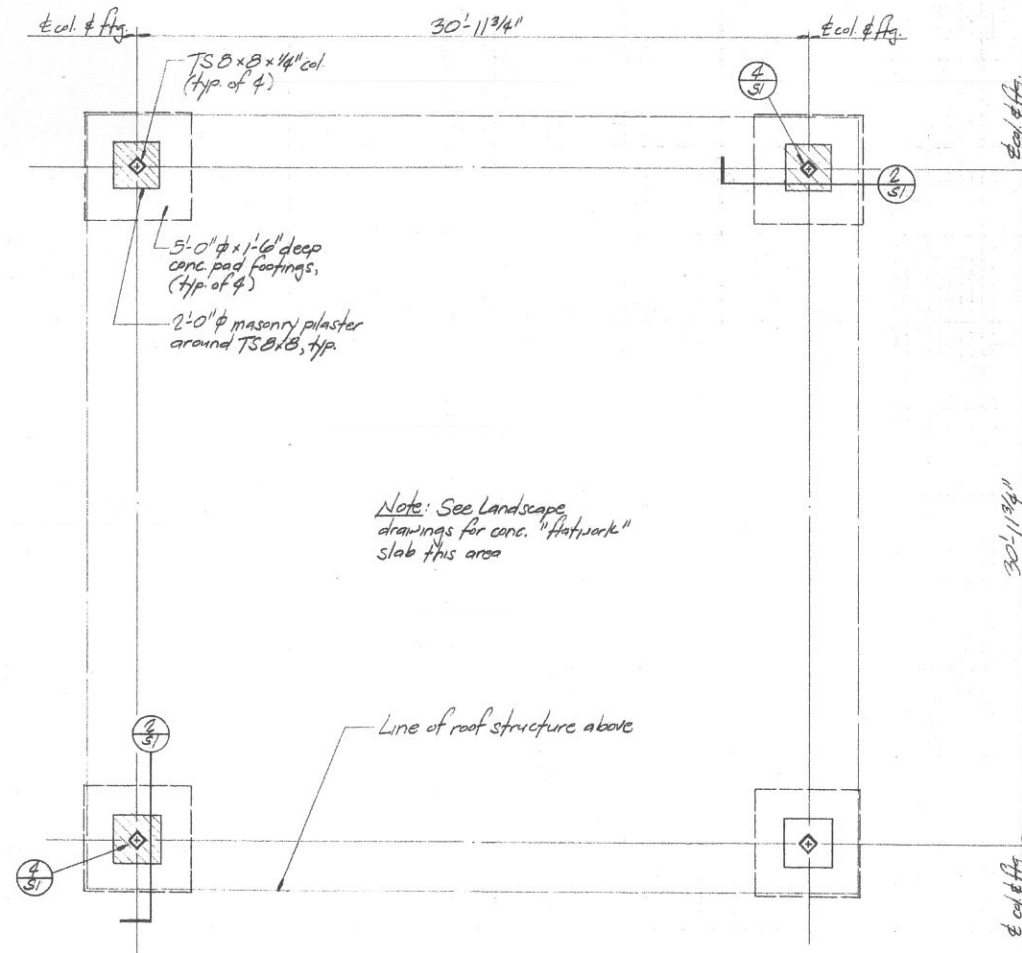
DETAIL 4
1-1/2" = 1'-0"



DETAIL 3
1-1/2" = 1'-0"



DETAIL 2
3/4" = 1'-0"



POLYGON ARBOR MODEL SQ 36 TG
FOUNDATION PLAN
1/4" = 1'-0"

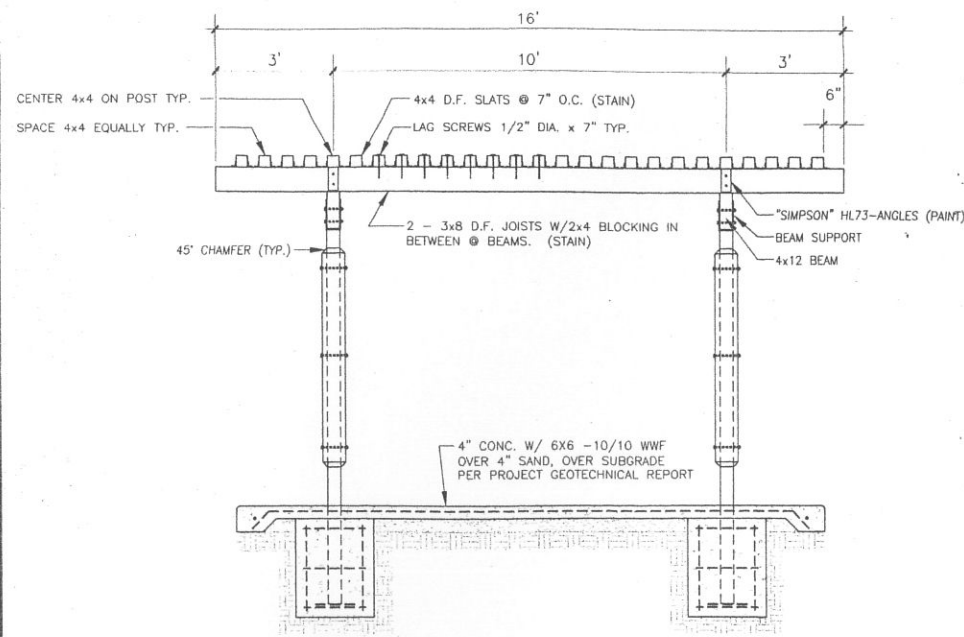


Crawford & Associates
Consulting Structural Engineers
4401 Hazel Avenue, Suite 250
Fair Oaks, California 95628
Phone: (916) 967-4510
Fax: (916) 967-4917

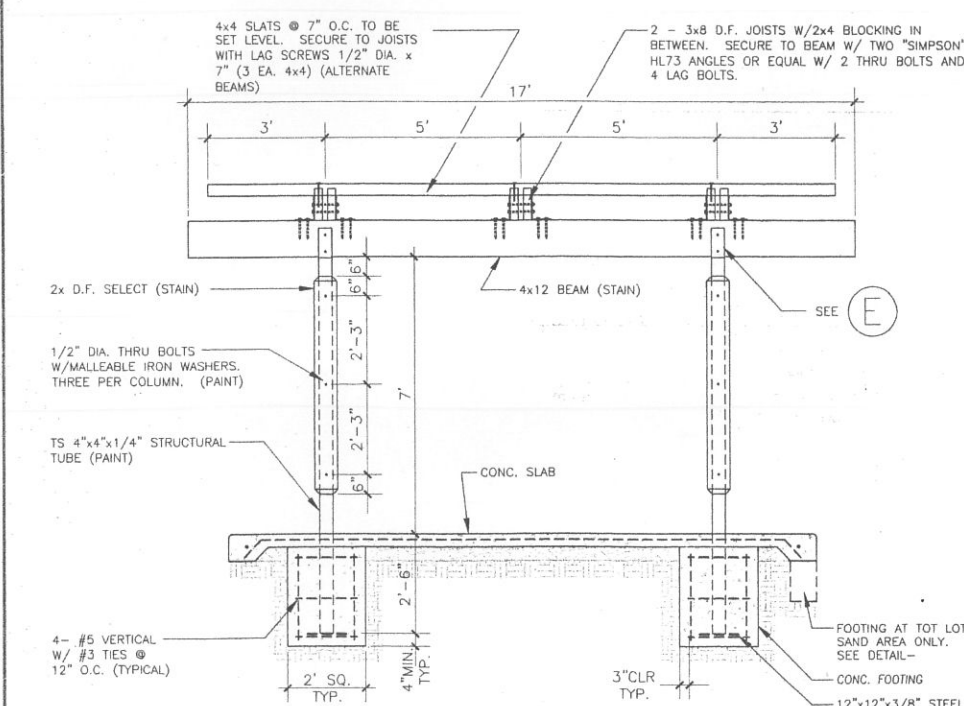
REVISION	DESCRIPTION	DATE	BY	APPRD.

SL FONG PARK		PHASE ONE
FOUNDATION PLAN		
DEPARTMENT OF PUBLIC WORKS CITY OF STOCKTON, CALIFORNIA		
DESIGNED BY: MDC	APPROVED BY: <i>[Signature]</i>	SHEET NO. S1
DRAWN BY: MDC	CITY ENGINEER STOCKTON, CA	OF 24 SHEETS
CHECKED BY: MDC	DATE: 8/16/02	PROJECT NO. 01-29
RECORD DWG:		
DATE: AUGUST 16, 2002		

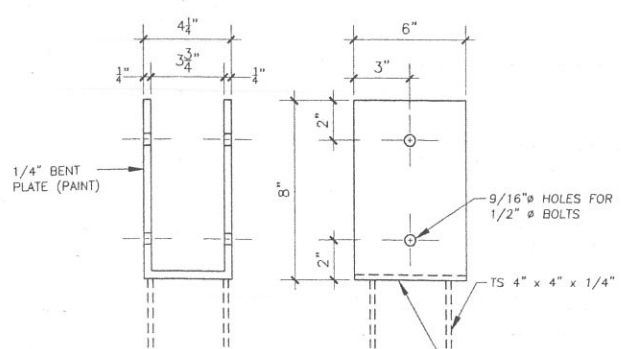
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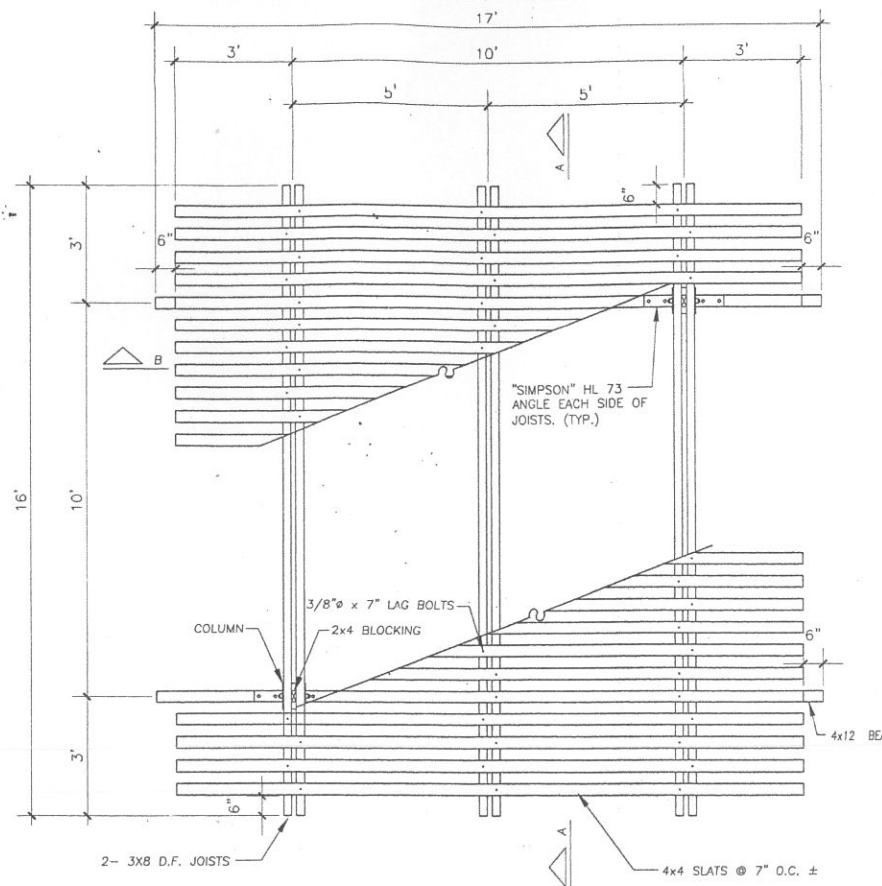
A SECTION
NTS



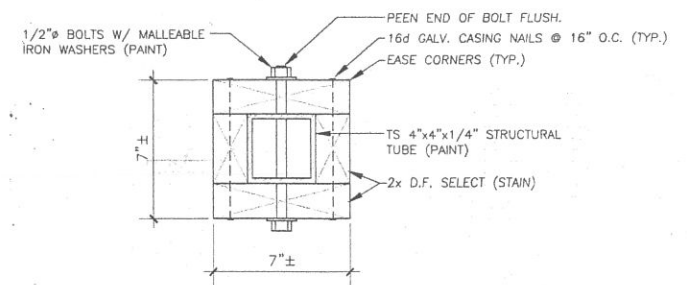
B SECTION
NTS



E TYPICAL BEAM SUPPORT
NTS



C FRAMING PLAN
NTS



D POST - SECTION
NTS

- 1. GENERAL**
 - A. ALL WORK SHALL BE IN STRICT ACCORDANCE WITH THE 1997 EDITION OF THE UNIFORM BUILDING CODE AND STANDARDS AND ALL PUBLICATIONS NOTED HEREIN.
 - B. DETAILS SHOWN ON THE STRUCTURAL DRAWINGS ARE TYPICAL AND SIMILAR. DETAILS APPLY TO SIMILAR CONDITIONS. SPECIFIC NOTES AND DETAILS ON THE DRAWINGS TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS.
 - C. DIMENSIONS SHOWN SHALL TAKE PRECEDENCE OVER SCALE ON PLANS AND DETAILS. ANY DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER.
 - D. THE REVIEW OF SHOP DRAWINGS BY THE ENGINEER IS FOR GENERAL COMPLIANCE WITH THE DRAWINGS AND SPECIFICATIONS.
 - E. ALL DETAIL CHANGES DESIRED SHALL BE SUBMITTED TO THE ENGINEER IN WRITING. SHOP DRAWINGS DO NOT CONSTITUTE CHANGES IN WRITING. ALONG WITH A LETTER, THE SHOP DRAWINGS SHALL SHOW ALL PROPOSED CHANGES.
 - F. COORDINATE STRUCTURAL DRAWINGS WITH EQUIPMENT DRAWINGS FOR CONSTRUCTION DETAILS.
- 2. WOOD**
 - A. MATERIALS:
 - 1) FOUNDATION SILLS, NAILERS AND LEDGERS IN DIRECT CONTACT WITH CONCRETE AND WITHIN 6" OF THE GROUND: D.F. GRADE #1 OR BETTER, PRESSURE TREATED.
 - 2) ALL 4x AND 6x POSTS: D.F. GRADE #1 OR BETTER.
 - 3) ALL OTHER 6x FRAMING MEMBERS: DF GRADE #1 OR BETTER.
 - 4) ALL OTHER 2x OR 4x FRAMING MEMBERS: DF GRADE #1 OR BETTER.
 - 5) MINIMUM POST SIZE SHALL BE 2-2x UNLESS NOTED OTHERWISE ON PLANS.
 - 6) MINIMUM HEADER SIZES:
 - a) FOR 2x4 STUD WALL: 4x8
 - b) FOR 2x6 STUD WALL: 6x8
 - 7) PLYWOOD: ALL PANELS SHALL BE IDENTIFIED WITH THE GRADE MARK OF THE APA:
 - a) ROOF PLYWOOD: NOTED ON PLANS
 - b) FLOOR PLYWOOD: NOTED ON PLANS
 - c) WALL PLYWOOD: NOTED ON PLANS
 - 8) PRESERVATIVE TREATMENT: CHEMONITE, OR EQUAL PER UBC STANDARD 1811.7.
 - 9) GLULAMINATED BEAMS ARE GRADE 24F-V4 UNLESS NOTED OTHERWISE.
 - B. WOOD FASTENERS
 - 1) MACHINE BOLTS: ASTM A307.
 - 2) ALL BOLTS AND LAG SCREWS SHALL BE PROVIDED WITH METAL WASHERS UNDER HEADS AND NUTS WHICH BEAR ON WOOD.
 - 3) LAG SCREWS AND WOOD SCREWS SHALL BE SCREWED AND NOT DRIVEN INTO PLACE.
 - 4) BOLTS AND SCREWS SHALL BE TIGHTENED AT TIME OF ERECTION AND RE-TIGHTENED BEFORE CLOSING IN OR AT COMPLETION OF JOB.
 - 5) BOLT HOLES: MAXIMUM 1/16" LARGER THAN BOLT SIZE. OVERSIZED OR SLOTTED HOLES NOT ALLOWED UNLESS SPECIFICALLY NOTED ON PLANS.
 - 6) LAG SCREWS: LEAD HOLES SHALL BE DRILLED TO 75% OF THE SHANK DIAMETER WITH DEPTH EQUAL TO BOLT LENGTH. LEAD HOLES FOR THE SHANK SHALL BE EQUAL TO THE SHANK DIAMETER AND SHANK LENGTH.
 - 7) SPLIT-RING CONNECTORS SHALL BE TECO, OR EQUAL, AND SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS. ANY MEMBER DAMAGED BY INSTALLATION OF CONNECTOR SHALL BE REPLACED. (HOLES FOR BOLTS TO BE BOLT DIAMETER + 1/16").
 - 8) NAIL JOINTS:
 - a) ALL NAILS SHALL BE COMMON WIRE NAILS OR SPIKES.
 - b) MINIMUM NAILING PER TABLE 23-II-B-1 OF UBC, OR AS NOTED ON PLANS.
 - 9) MISCELLANEOUS METAL CONNECTORS: ALL METAL CONNECTORS USED FOR CONNECTING STRUCTURAL WOOD SHALL HAVE ICBO APPROVAL AND BE SIMPSON STRONG TIE CONNECTORS OR EQUAL. ALL CONNECTORS SHALL BE GALVANIZED WITH A G-90 COATING.
 - 10) ALL WOOD SCREWS SHALL CUT THREAD, WITH A MINIMUM PENETRATION OF 7 SHANK DIAMETERS INTO THE MAIN WOOD MEMBER.
 - C. MISCELLANEOUS:
 - 1) PROVIDE BLOCKING AT ALL CHANGES IN CEILING LEVELS.
 - 2) STRUCTURAL MEMBERS SHALL NOT BE CUT FOR PIPES, ETC., UNLESS SPECIFICALLY SHOWN OR NOTED ON PLANS.
 - 3) PIPES EXCEEDING ONE-THIRD OF THE PLATE WIDTH SHALL NOT BE PLACED IN PARTITIONS USED AS BEARING OR LATERAL FORCE RESISTING WALLS, UNLESS FURRED ENTIRELY CLEAR OF STUDS. WHERE ALLOWED, PIPES SHALL BE PLACED IN THE CENTER OF PLATES, USING A NEAT HOLE. NO NOTCHING ALLOWED. 2" HOLES ALLOWED IN CENTER OF A 2x6 NOMINAL PLATE.
- 3. STRUCTURAL STEEL AND MISCELLANEOUS IRON**
 - A. CODES - ALL WORK SHALL CONFORM TO THE LATEST EDITION OF THE FOLLOWING CODES:
 - 1) UBC - UNIFORM BUILDING CODE
 - 2) AISC - AMERICAN IRON AND STEEL SPECIFICATIONS
 - 3) AWS - AMERICAN WELDING SOCIETY
 - 4) ASTM - AMERICAN SOCIETY OF TESTING MATERIALS.

- B. MATERIALS:**
 - 1) STRUCTURAL STEEL MEMBERS: ASTM A-36 OR PER PLAN.
 - 2) STRUCTURAL TUBING: ASTM A500 GRADE B.
 - 3) STRUCTURAL WELLS: ASTM A53 GRADE B.
 - 4) NUTS, BOLTS, WASHERS: ASTM A307, UNLESS OTHERWISE NOTED ON PLANS.
 - 5) HIGH-STRENGTH NUTS, BOLTS, WASHERS: ASTM A325.
 - 6) WELDING MATERIAL: E-70 ELECTRODES PER AWS-D1.1.
 - 7) PAINT PRIMER: FED. SPEC. TT-031, RED OXIDE.
 - 8) GALVANIZING: ASTM A575 MIN. 207 HOT-DIPPED.
 - 9) STEEL STUD MATERIAL: SHALL CONFORM TO ASTM A-466-91 GRADE A, AND/OR UBC T20-11, WITH A MINIMUM YIELD STRENGTH OF 33 KSI.
- C. FABRICATION:**
 - 1) WELDING: WELDING SHALL BE PERFORMED BY CERTIFIED WELDERS ONLY IN AN ICBO APPROVED WELD SHOP.
 - 2) SHOP FABRICATION TO THE GREATER POSSIBLE EXTENT.
 - 3) SHOP PRIME ALL STEEL EXCEPT GALVANIZED STEEL. DO NOT PRIME SURFACES TO BE WELDED OR WHICH WILL BE PLACED INTO CONCRETE.
 - 4) BOLT HOLES TO BE DRILLED MAXIMUM 1/16" LARGER THAN BOLT DIAMETER UNLESS OTHERWISE NOTED ON PLANS.
- D. SHOP DRAWINGS:**
 - 1) SHOP DRAWINGS SHALL BE SUBMITTED FOR ALL STRUCTURAL STEEL MEMBERS.
 - 2) COORDINATE SHOP DRAWINGS WITH ALL TRADES.
- E. TESTING AND INSPECTION:**
 - 1) STRUCTURAL STEEL: SUBMIT MILL REPORTS AS PER AISC SPECIFICATIONS.
 - 2) HIGH-STRENGTH NUTS, BOLTS AND WASHERS: PROVIDE WRITTEN MILL CERTIFICATES.
 - 3) ALL FIELD WELDING SHALL BE BY A CERTIFIED WELDER AND INSPECTED BY AN APPROVED WELDING INSPECTOR.
 - 4) HIGH-STRENGTH BOLTS SHALL BE INSPECTED BY A QUALIFIED INSPECTOR APPROVED BY THE ENGINEER.

- 4. CONCRETE**
 - A. GENERAL: ALL CONCRETE WORK SHALL BE PERFORMED IN ACCORDANCE WITH ACI AND UBC CODES.
 - B. CONCRETE STRENGTH: CONCRETE SHALL OBTAIN A MINIMUM DESIGN STRENGTH OF
 - a) SLAB: 3,000 PSI;
 - 1) CEMENT: 5.5 SACK PER YARD FOR 3,000 PSI CONCRETE.
 - 2) WATER: MAXIMUM 7 GALLONS PER SACK OF CEMENT.
 - 3) AGGREGATE: MAXIMUM SIZE 3/4"
 - 4) SLUMP: 4" MAXIMUM.
 - 5) CURING: KEEP WET MINIMUM OF 7 DAYS OR APPLY MEMBRANE CURING COMPOUND APPROVED BY THE ENGINEER.
 - 6) VIBRATION: ALL CONCRETE SHALL BE VIBRATED INTO PLACE WITH A MECHANICAL VIBRATOR.
 - 7) FORM REMOVAL: SIDE FORMS OF FOUNDATIONS AND SLABS AFTER A MINIMUM OF 2 DAYS.
 - 8) TESTING: IN ACCORDANCE WITH ACI-318-99, CH. 3.
 - C. REINFORCING MATERIALS:
 - 1) DEFORMED BARS: ASTM A615 GRADE 60, UNLESS OTHERWISE NOTED.
 - 2) ELECTRIC WELDED WIRE FABRIC (WWF): ASTM A-185.
 - 3) MINIMUM LAP SPLICES AS FOLLOWS UNLESS OTHERWISE NOTED: #3-#4=24", #5=30", #6=36", #7-55", #8-72", #9-92"
 - 4) FOR SLABS ON GROUND, REINFORCING BARS SHALL BE HELD IN PLACE AT THE CENTERLINE OF THE SLAB BY MEANS OF CONCRETE BLOCKS, BAR CHAINS OR OTHER APPROVED METHOD. BARS SHALL NOT BE POSITIONED BY PULLING UP WITH HOOKS AS CONCRETE IS POURED.
 - D. MISCELLANEOUS:
 - 1) PROVIDE 3/4" CHAMFER ON ALL EXPOSED CONCRETE EDGES UNLESS OTHERWISE NOTED ON PLANS.
 - 2) ANCHOR BOLTS AND DOWELS MUST BE SECURELY SUPPORTED IN PLACE BEFORE POURING CONCRETE TO INSURE PROPER LOCATION PER PLAN.
- 5. SITE NOTES**
 - A. PROVIDE FINE HAIR BRUSH FINISH ON ALL CONCRETE SLABS.
 - B. CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY APPLICABLE SECTIONS OF THE CURRENT CITY OF STOCKTON STANDARD SPECIFICATIONS.
 - C. SUBGRADE UNDER SAND BASE SHALL BE COMPACTED TO 90% RELATIVE COMPACTION.
 - D. WEAKENED PLANE JOINTS SHALL BE 1/2" DEEP @ 10'-0" O.C.
- 6. PAINTING**
 - A. METALS SHALL BE PAINTED
 - 1 COAT RUST INHIBITIVE PRIMER
 - 2 COATS EXTERIOR ENAMEL (VELVACON MAHOGANY Q2-694)
 - B. WOOD SHALL BE STAINED
 - 2 COATS OLYMPIC HEAVY BODY (MAHOGANY) STAIN SHALL BE APPLIED BY BRUSH FOR FIRST COAT.
 - C. CONTRACTOR SHALL SUBMIT COLOR SAMPLES TO THE CITY OF STOCKTON PARKS AND RECREATION DEPARTMENT FOR APPROVAL.



SEGRIED ENGINEERING, INC.
 4045 Coronado Ave. • Stockton, CA 95204-2398
 209-943-2021 • Fax: 209-942-0214 • E-mail: mail@segriedeng.com

- Civil Engineering
- Land Surveying
- Structural Engineering
- Planning

REVISIONS				
NO.	DESCRIPTION	DATE	BY	APPROV.

S. L. FONG PARK PHASE 1

SHADE STRUCTURE

**DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA**

SCALE: AS SHOWN	APPROVED BY DATE: <i>S. L. Fong</i>	SHEET NO. S-1
DESIGNED BY: AJL	CHECKED BY: AJL	OF 1 SHEETS
DRAWN BY: RJS	F. B. NO.:	C.O.S. JOB NO.
CITY ENGINEER STOCKTON, CALIFORNIA		

6/2002 11:44:17