

# villegas park

city of riverside



**recreation systems, incorporated**  
 2500 east nutwood avenue, suite 28  
 fullerton, california  
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## consultants

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## approvals

<i>[Signature]</i> CITY ENGINEER	DATE
<i>[Signature]</i> CITY SUPERVISOR	7-27-81 DATE
<i>[Signature]</i> CITY PROJECT COORDINATOR	7-27-81 DATE

date

MAY 7, 1981

date revised

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 L-2 LANDSCAPE DETAILS, PLANT LIST & NOTES

OUTLINE FOR BID SCHEDULE

- I BASE BID - SHALL INCLUDE ALL WORK TO BE COMPLETED EXCLUDING FOLLOWING BID ITEMS.
  - II TOT LOT EQUIPMENT, SAND & SLUMP
  - III PARKING LOT EXPANSION
  - IV CONCRETE STAGE & ADJOINING EQUIPMENT
  - V POOL AREA CONCRETE CURB & IRRIGATOR RERWORK
- NOTE: FOR MORE INFORMATION SEE SPECS.

GENERAL REQUIREMENTS

ALL WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, THE CITY OF RIVERSIDE STANDARD PLANS AND SPECIFICATIONS, AND THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, A.P.M.A., 1979 EDITION AND ALL AMENDMENTS (STD. SPECS.).

THE CONTRACTOR SHALL ASCERTAIN THE LOCATION OF ALL UNDERGROUND UTILITY STRUCTURES AND FACILITIES PRIOR TO DOING WORK (INCLUDING THOSE NOT SHOWN) AND SHALL TAKE PRECAUTIONARY MEASURES IN THE COURSE OF WORK TO PREVENT DAMAGE.

THE CONTRACTOR SHALL NOTIFY THE INSPECTOR OF ANY DISCREPANCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES AND SHALL BE HELD LIABLE FOR DAMAGES DUE TO OBSTRUCTING NATURAL DRAINAGE PATTERNS.

GRADING

STRAIGHT GRADES SHALL BE RUN BETWEEN ALL ELEVATIONS AND CONTOURS, WITH SMOOTH TRANSITIONS TO CONFORM TO THE INTENT OF THE PLANS.

ALL WORK SHALL BE IN ACCORDANCE WITH CITY OF RIVERSIDE STANDARD, SECTION 211, TO A DEPTH OF 12" PRIOR TO PLACING BASE OR FILL. UPPER 12" SHALL BE FREE OF FOREIGN MATERIAL.

ALL CLEARING, GROUND PREPARATION AND PLACEMENT AND COMPACTION OF FILLS SHALL BE DONE UNDER THE INSPECTION AND TESTING OF THE PROJECT SOIL ENGINEER.

LARGE RUBBLE UNCOVERED DURING GRADING SHALL BE REMOVED FROM SITE.

ALL ORGANIC SURFACE MATERIAL SHALL BE REMOVED FROM SITE.

THE EXISTING SOIL UNDER NEW CONCRETE SHALL BE ASSAYED & COMPACTED TO 90% PER STD. SPECS., SECTION 211, TO A DEPTH OF 12" PRIOR TO PLACING BASE OR FILL. UPPER 12" SHALL BE FREE OF FOREIGN MATERIAL.

FILL MATERIAL SHALL BE PLACED IN 6" MAXIMUM LIFTS BROUGHT TO OPTIMUM WATER CONTENT, AND COMPACTED TO A MINIMUM OF 90% PER ASTM D1557-70.

ALL TRENCH EXCAVATION SHALL BE MECHANICALLY COMPACTED TO 90%. JETTING OR FLOODING IS NOT ACCEPTABLE.

FINISH GRADE SHALL BE 1" BELOW EDGE OF ADJACENT FINISH CONCRETE SURFACE IN LAWN AREAS, AFTER SETTLEMENT, 2" BELOW IN PLANTING AREAS.

DUST SHALL BE CONTROLLED BY WATERING.

AREAS TO RECEIVE FILL SHALL BE PROPERLY PREPARED AND SHALL BE APPROVED BY THE CITY GRADING ENGINEER OR HIS REPRESENTATIVE AND SOILS ENGINEER PRIOR TO PLACING OF FILL.

THE EXISTING IRRIGATION LINES AND CISTERNS SHALL BE REMOVED OR CRUSHED IN PLACE AND BACK-FILLED AND WORK SHALL BE APPROVED BY THE GRADING INSPECTOR AND SOILS ENGINEER.

THE STOCKPILING OF EXCESS MATERIAL SHALL BE AS APPROVED BY THE CITY GRADING ENGINEER PRIOR TO EXCAVATION.

ALL TRENCH BACKFILLS SHALL BE TESTED AND CERTIFIED BY THE SITE SOILS ENGINEER PER THE GRADING AND EXCAVATION CODE.

THE LOCATION AND PROTECTION OF ALL UTILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.

ALL EXISTING DRAINAGE COURSES ON THE PROJECT SITE MUST CONTINUE TO FUNCTION, ESPECIALLY DURING STORM CONDITIONS. APPROVED PROTECTIVE MEASURES AND TEMPORARY DRAINAGE PROVISIONS MUST BE USED TO PROTECT ADJOINING PROPERTIES DURING THE GRADING PROJECT. IN ALL CASES, THE CONTRACTOR SHALL BE HELD LIABLE FOR DAMAGES DUE TO OBSTRUCTING NATURAL DRAINAGE PATTERNS.

FOR FINAL ACCEPTANCE THE CONTRACTOR SHALL ALSO SUBMIT A WRITTEN CERTIFICATION OF COMPLIANCE TO THE AS-BUILT GRADING PLAN.

ALL DIRT, ROCK OR CONSTRUCTION MATERIAL WHICH IS TRACKED OR DROPPED WITHIN THE PUBLIC RIGHTS-OF-WAY DURING THE TRANSPORTATION OF SAID MATERIAL OR EQUIPMENT ASSOCIATED WITH THE PROJECT SHALL BE CLEANED OR REMOVED DAILY AND AS DEEMED NECESSARY BY THE GRADING INSPECTOR.

THE CONTRACTOR SHALL SUBMIT ONE COPY OF THE GRADING PLAN SHOWING "AS-BUILT" ITEMS IN RED TO THE CITY GRADING INSPECTOR PRIOR TO FINAL ACCEPTANCE OF CONSTRUCTION BY THE CITY.

A.C. PAVING

A.C. PAVING AND AGGREGATE BASE SHALL BE AS NOTED ON PLANS IN ACCORD WITH STD. SPECS., SECTIONS 203, 301, AND 302, AND SPECIFICATIONS.

STRIPING IN PARKING AREAS SHALL BE 4" WIDE, SPACED AS SHOWN ON PLANS, IN COMPLIANCE WITH CITY STDS.

CONCRETE

ALL WORK SHALL BE IN ACCORDANCE WITH STD. SPECS., SECTIONS 201 AND 303 AND SPECIFICATIONS.

CONCRETE SHALL BE CLASSED ACCORDING TO STD. SPECS., TABLE 201-1.1.2.

ALL CONCRETE SHALL BE TREATED WITH A MOISTURE LOSS RETARDANT FOR CURING.

EXPANSION JOINTS SHALL BE INSTALLED MAX. 32'-0" O.C. AND CRACK CONTROL JOINTS SHALL BE INSTALLED MAX. 16'-0" O.C., EXCEPT WHERE SPECIFICALLY NOTED ON PLAN.

WATER SERVICE

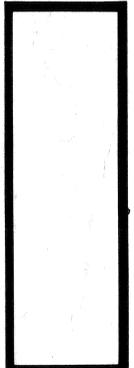
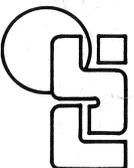
ALL WORK SHALL BE IN ACCORDANCE WITH CITY OF RIVERSIDE, PUBLIC UTILITIES, WATER DIVISION NOTES AND SPECIFICATIONS AND THE SPECIAL PROVISIONS.

ELECTRICAL

REFER TO "E" SHEETS.

UTILITIES

CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES PRIOR TO COMMENCEMENT OF WORK.



REMOVE EX. CURB, GUTTER, & SIDEWALK AS NECESSARY TO CONSTRUCT HANDICAP RAMP PER CITY OF RIVERSIDE PUBLIC WORKS STD. DETAIL # 304

AVENUE  
N 56° 01' 29" E

PETERS STREET  
50'

AVENUE  
N 33° 57' 47" W  
31.64'

ARGUEDIT/ JE

661.14'

890.4  
888.2  
890.0  
890.6

EXISTING COMMUNITY CENTER BUILDING

EXIST. LIGHT FIXTURES - REMOVE FOR RELOCATION. REMOVE PITS & STUB OUT ELEC. FOR CONNECT TO FUTURE LOCATION (SEE SHT. E-1)

REMOVE APPROX. 24 L.F. EXIST. CURB & GUTTER

**BID SCHEDULE III**  
REMOVE EXIST. DRIVEWAY APPROACH  
REMOVE APPROX. 107 L.F. EXIST. CURB & GUTTER  
REMOVE EXIST. AC PAVING FOR REALIGNMENT OF CURB & GUTTER 661.25'

RELOCATE (5) EXISTING PALM TREES (SEE LANDSCAPE PLAN SHT. L-1)

**BID SCHEDULE IV**  
REMOVE EXIST. LIGHT POLE & CAP ELEC. LINES  
REMOVE EXIST. HORSESHOE PITS INCL. SIDE BOARDS & STAKES  
REMOVE EXIST. DRINKING FOUNTAIN & CAP WATER LINE FOR USE WITH NEW FOUNTAIN (SEE SHT. SE-3)

**BID SCHEDULE II**  
SAW CUT EXIST. CONC. SLAB & REMOVE CROSSHATCHED PORTION. ALSO REMOVE EXIST. 12" HIGH CONC. WALL (APPROX. LENGTH 33')

REMOVE D.G. & SLAB GRADE IN CROSSHATCHED AREA TO DEPTH OF 12"

EXISTING BATHHOUSE

EXISTING POOL

REMOVE EXIST. BACKSTOP

REMOVE EXIST. CURBS

EXIST. GL. FENCE AROUND POOL (REMAINS)

REMOVE EXIST. IRRIGATION EQUIP. PER NOTATIONS ON IRRIGATION PLAN - SHT. SP-1 (POOL & POOL BLDG. AREA ONLY)

REMOVE DEAD PALM TREE - SHALL BE INCLUDED IN BASE BID

REMOVE ± IS EXISTING CURB & GUTTER (TO ALIGN W/ PROPOSED CURB)

EX. 8" Ø TREE TO REMAIN (PROTECT)

EX. MULTI-TRUNK MULBERRY TO BE REMOVED

REMOVE DEAD TREE

EX. 12" Ø TREE TO REMAIN (PROTECT)

EX. 10" Ø MULBERRY TO REMAIN (PROTECT)

REMOVE 5 PITS TO BE  
REMOVE 4 ELLIPHS

S 56° 00' 45" W

327.73'

S 33° 58' 15" E

S 56° 01' 02" W

881.3

S 56° 00' 22" W

333.50'

N 33° 57' 47" W

330.58'

S 33° 57' 47" E

350.54'

DORLEN STREET

40'

**NOTE:**  
TREES FOR REMOVAL IN FIELD WILL BE TAGGED. COORDINATE W/ PARK PROJECTS INSPECTOR.



**BENCH MARK**  
CITY OF RIVERSIDE B.N. #G6-J  
P.K. NAIL AND TAG STAMPED CITY OF RIVERSIDE IN THE WESTERLY CURB RETURN AT WASHINGTON AND LINCOLN F.B. REFERENCE, C.R.F.B. #47 PAGE 1 ELEVATION 912.466

**NOTE**  
BOUNDARY DATA AS SHOWN HEREON WAS COMPILED FROM RECORD DATA AND DOES NOT REPRESENT A FIELD SURVEY.

THIS MAP WAS PREPARED UNDER THE SUPERVISION OF  
*William Large*  
William E. Large L.S. 4225 Date 5/3/79



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**TOPOGRAPHIC MAP**  
OF  
**VILLEGAS PARK**  
FOR  
**RECREATION SYSTEMS INC.**

Scale: 1" = 40' Date: 5/2/79  
Drawn by: R.B. Job No.: 4606  
Checked by: W.E.L. F.B.

**recreation systems incorporated**  
landscape architecture

ning ton ca 714/879-6373

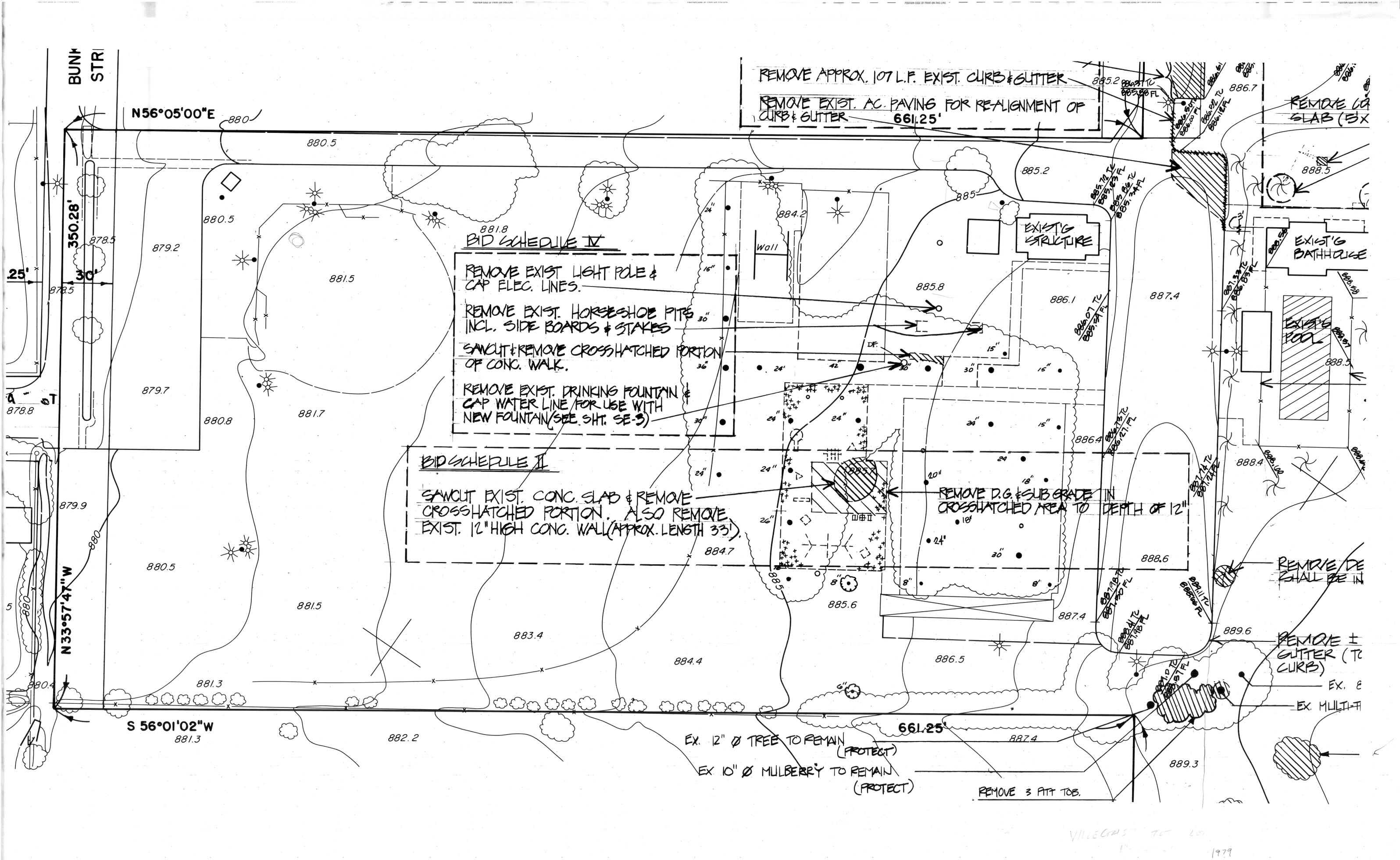
**RIVERSIDE**

**VILLEGAS PARK**

**DATE**  
5-7-81

**REVISED**

**SHEET NO.**  
SE-1



BUNK STRI

N56°05'00"E

350.28'

N33°57'47"W

S 56°01'02"W

REMOVE APPROX. 107 L.F. EXIST. CURB & GUTTER

REMOVE EXIST. AC. PAVING FOR REALIGNMENT OF CURB & GUTTER 661.25'

REMOVE CONCRETE SLAB (5X)

BID SCHEDULE IV

REMOVE EXIST. LIGHT POLE & CAP ELEC. LINES.

REMOVE EXIST. HORSESHOE PITS INCL. SIDE BOARDS & STAKES

SAWCUT & REMOVE CROSSHATCHED PORTION OF CONC. WALK.

REMOVE EXIST. DRINKING FOUNTAIN & CAP WATER LINE FOR USE WITH NEW FOUNTAIN (SEE SHT. SE-3)

BID SCHEDULE II

SAWCUT EXIST. CONC. SLAB & REMOVE CROSSHATCHED PORTION. ALSO REMOVE EXIST. 12" HIGH CONC. WALL (APPROX. LENGTH 33')

REMOVE D.G. & SUB GRADE IN CROSSHATCHED AREA TO DEPTH OF 12"

REMOVE DE BRICK

REMOVE ± GUTTER (TO CURB)

EX. E EX. MULTI

EX. 12" Ø TREE TO REMAIN (PROTECT)

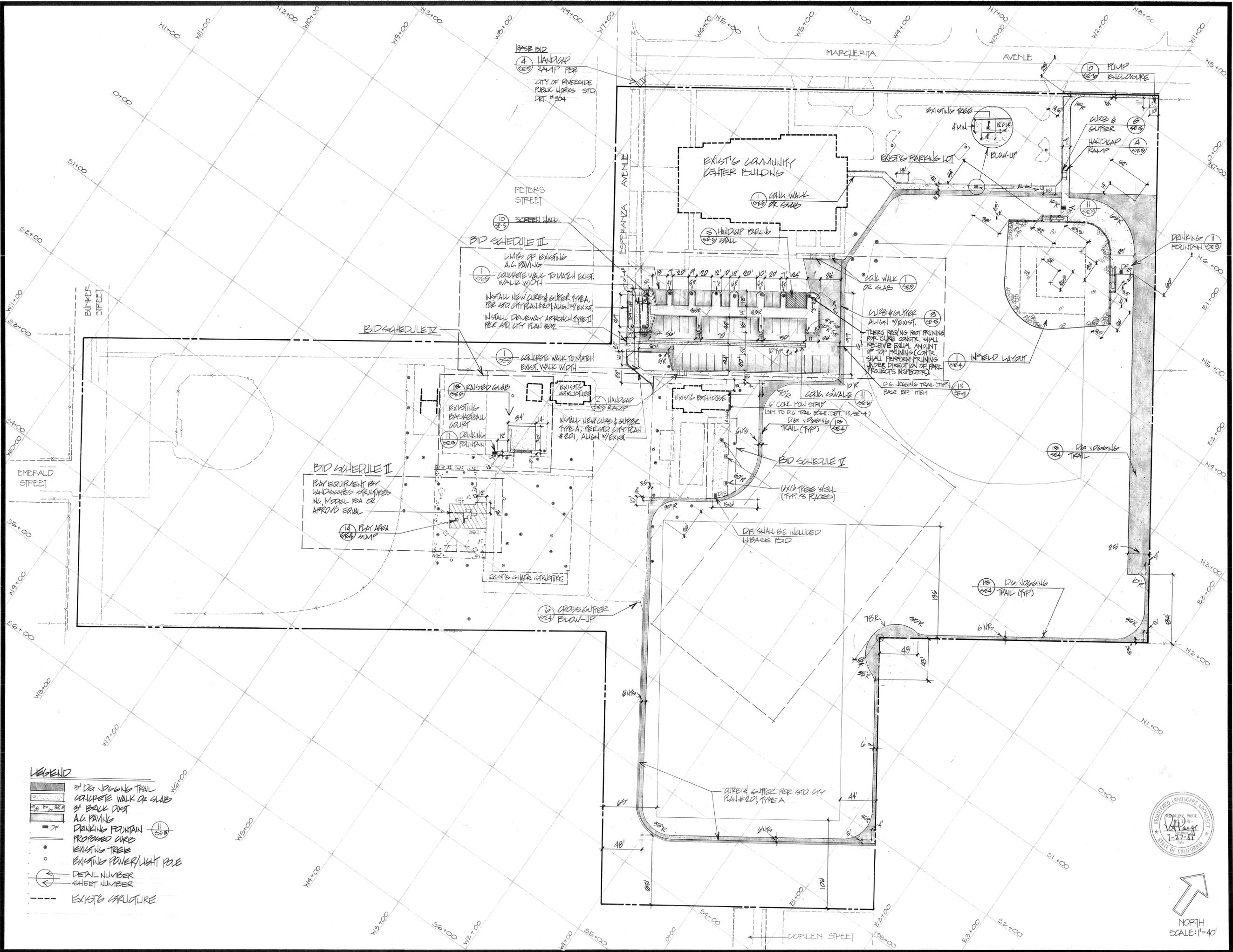
EX. 10" Ø MULBERRY TO REMAIN (PROTECT)

REMOVE 3 PFT TOB.

VILLEGAS

1979





BASE BID  
 4 HANDICAP RAMP PER CITY OF RIVERSIDE PUBLIC WORKS STD. DET. #504

BID SCHEDULE II  
 LIMITS OF EXISTING A.C. PAVING  
 1 CONCRETE WALL TO MATCH EXIST. WALK WIDTH  
 INSTALL NEW CURB & GUTTER TYPE A, PER STD. CITY PLAN #20, ALIGN W/ EXIST.  
 INSTALL DRIVEWAY APPROACH TYPE II PER STD. CITY PLAN #20

BID SCHEDULE II  
 PLAY EQUIPMENT BY LANDSCAPE ARCHITECTS INC., MODEL 13A OR APPROVED EQUAL  
 14 PLAY AREA PUMP

- LEGEND**
- 3" DIA JOGGING TRAIL
  - CONCRETE WALK OR SLAB
  - 3" BRICK DET
  - A.C. PAVING
  - DP DRINKING FOUNTAIN
  - PROPOSED CURB
  - EXISTING TREE
  - EXISTING POWER/LIGHT POLE
  - DETAIL NUMBER
  - SHEET NUMBER
  - EXISTING STRUCTURE

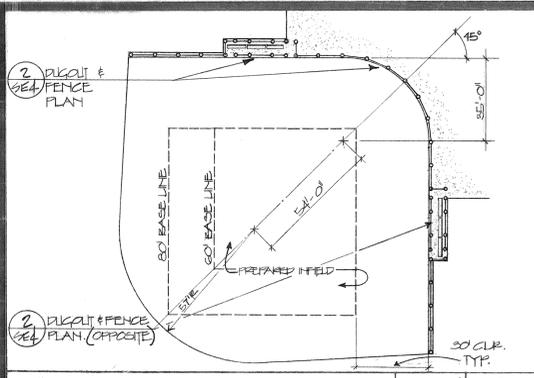


**recreation systems incorporated**  
 landscape architecture  
 park and environmental planning  
 2500 east nutwood ave. fullerton ca 714/879-6373

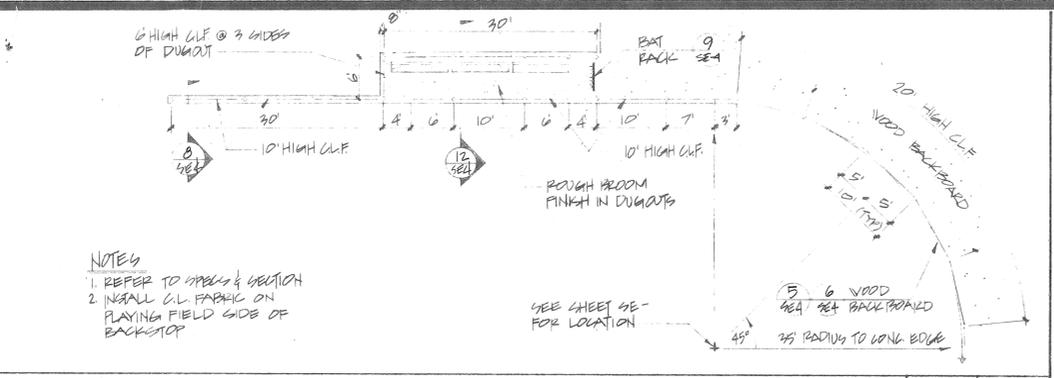


**VILLEGAS PARK**  
 RIVERSIDE  
 LAYOUT & DIMENSIONAL PLAN

date 5-7-81  
 revised  
 sheet no. SE-3



INFIELD LAYOUT PLAN 1"=30'-0" 1

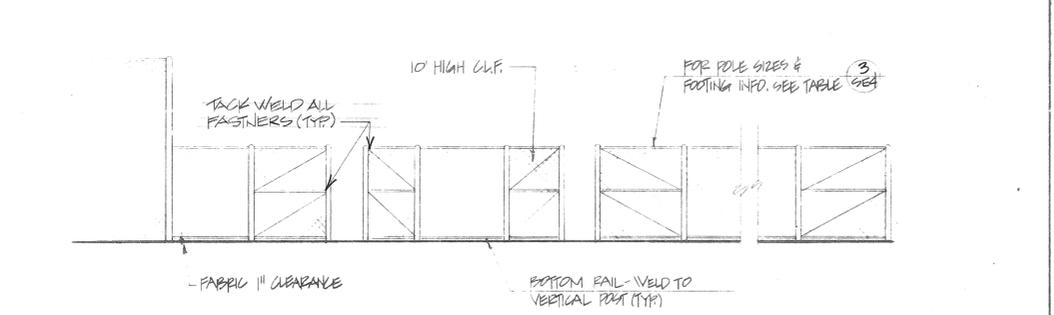


DUGOUT & BACKSTOP LAYOUT 1"=10'-0" 2

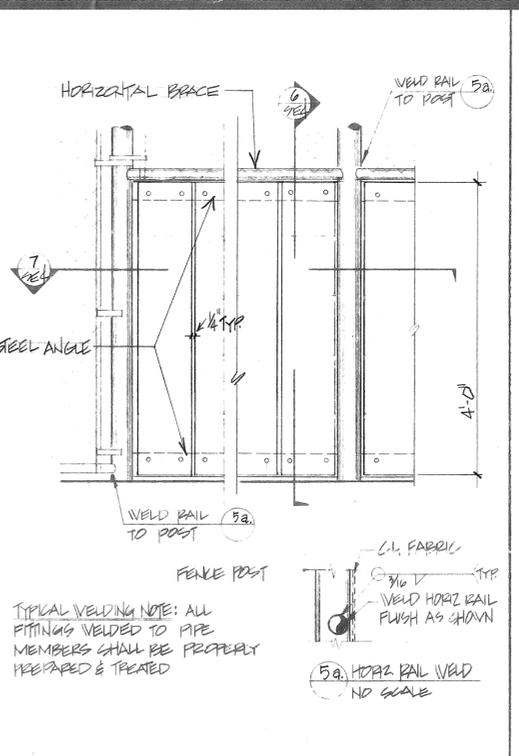
CLF POST SIZE				CLF MATERIALS (UNLESS OTHERWISE NOTED)	
POSTS	DIA.	HEIGHT	FOOTING DEPTH	FOOTING DIAMETER	CHAINLINK FABRIC - 2" MESH 1 GA.
6" LINE	2"	3.69	3'-3"	1'-0"	TRUSS RODS - 3/8" Ø GALV. ROD
6" END	2"	5.79	3'-3"	1'-6"	STRETCHER BAR 1/4" X 3/8"
6" CORNER	2 1/2"	5.79	3'-3"	1'-6"	
10" LINE	2 1/2"	5.79	3'-9"	1'-0"	
10" END	3"	7.90	3'-9"	1'-6"	
10" CORNER	3"	7.90	3'-9"	1'-6"	
TOP, BOTTOM RAIL, HORIZ. BRACE	1 1/2"	2.27			
10" BACKSTOP	4"	10.79	4'-3"	1'-6"	

NOTES:  
 1. ALL CHAINLINK FABRIC TO BE KNICKLED CORNERS, TOP & BOTTOM  
 2. ALL CLF. SHALL HAVE BOTTOM RAIL  
 3. POST DIA. GIVEN AT LEFT REFER TO STANDARD NOMINAL PIPE SIZES  
 4. TACK WELD ALL FASTENERS

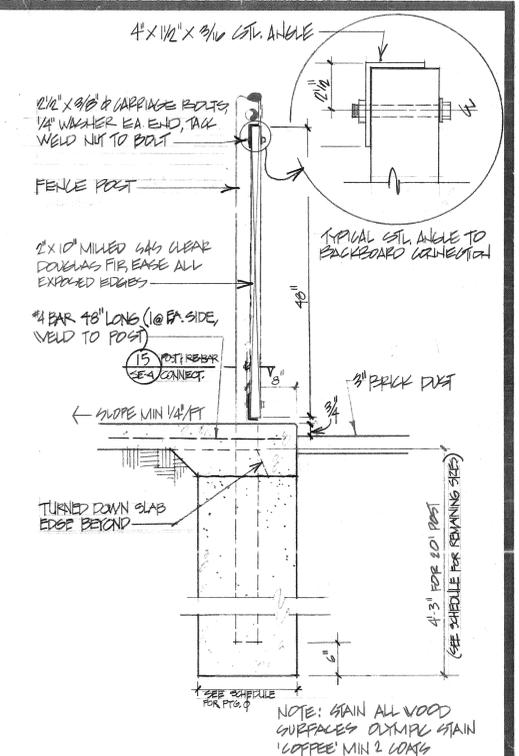
CHAINLINK FENCE TABLE FOR BALLFIELDS 3



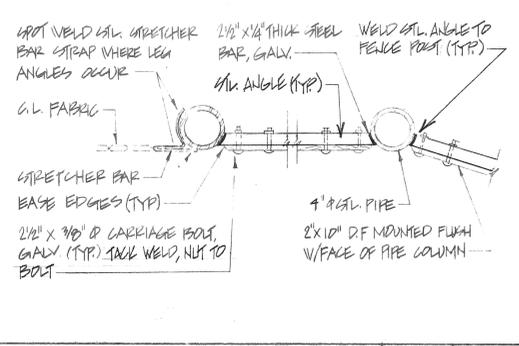
DUGOUT-ELEVATION 1/8"=1'-0" 4



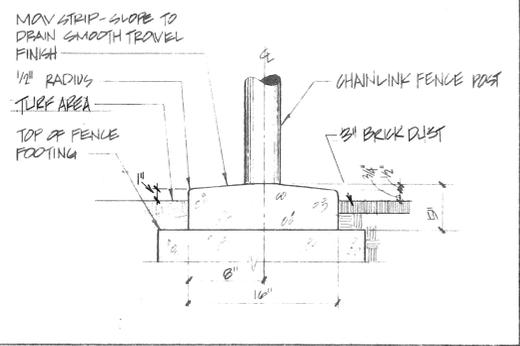
WOOD BACKBOARD-ELEVATION 1"=1'-0" 5



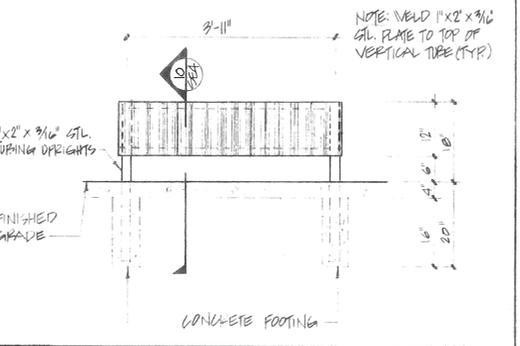
WOOD BACKBOARD & POLE FOUNDATION NO SCALE 6



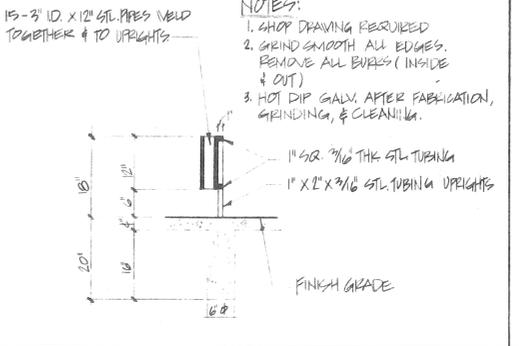
WOOD BACKBOARD-PLAN 1/2"=1'-0" 7



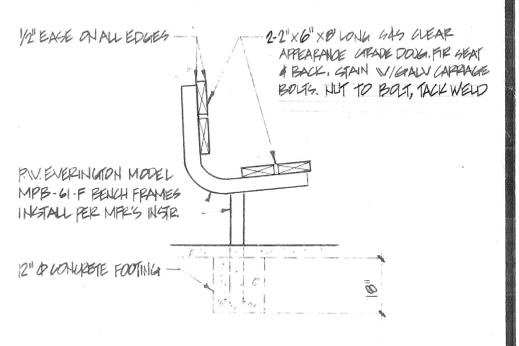
MOV STRIP @ CHAINLINK FENCE NO SCALE 8



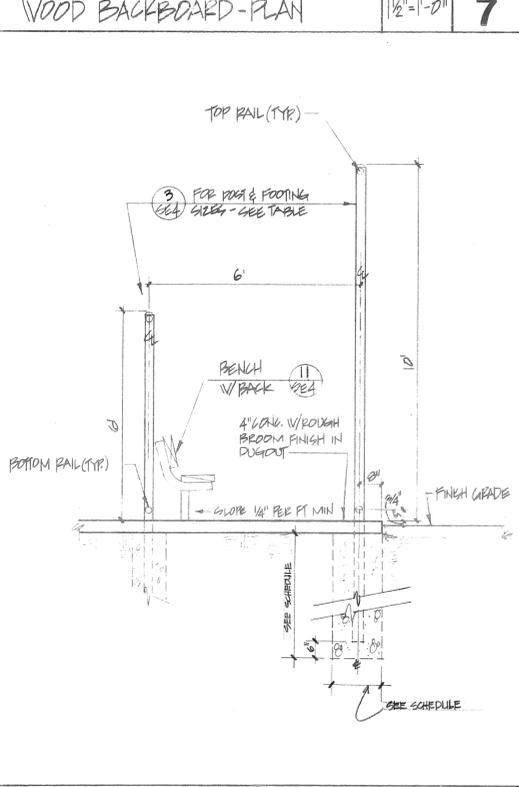
BAT RACK-ELEVATION 3/4"=1'-0" 9



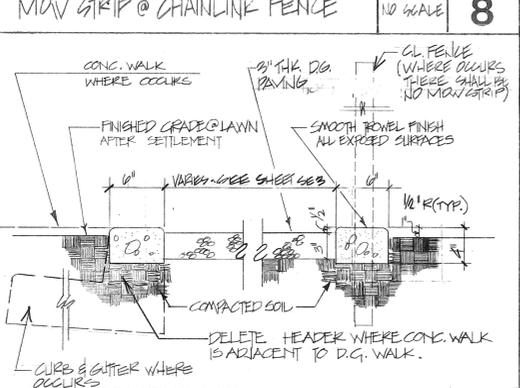
BAT RACK-SECTION 3/4"=1'-0" 10



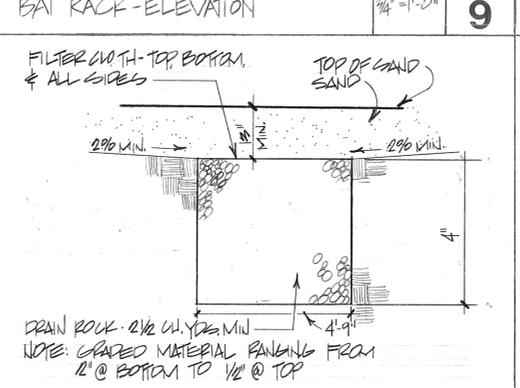
BENCH W/BACK NO SCALE 11



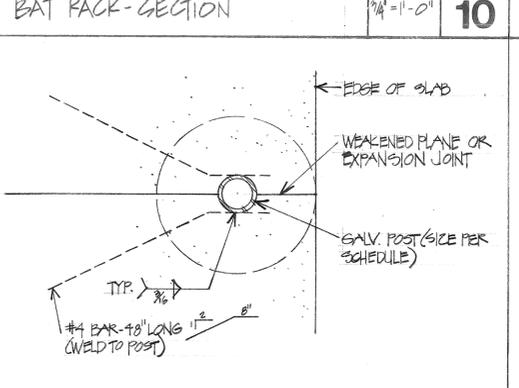
DUGOUT-SECTION 1/2"=1'-0" 12



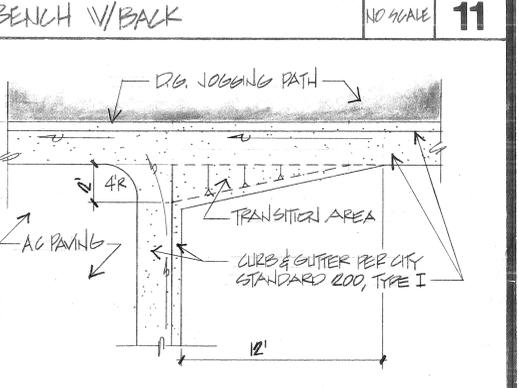
D.G. JOGGING TRAIL SECTION 1/2"=1'-0" 13



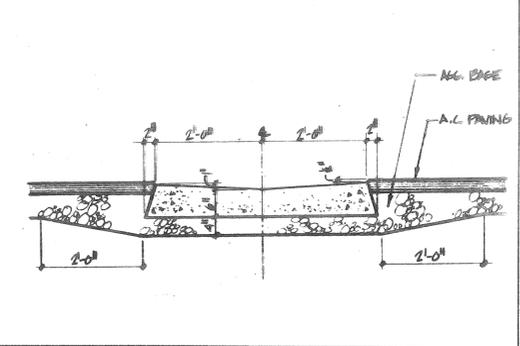
PLAY AREA SLUMP N.T.S. 14



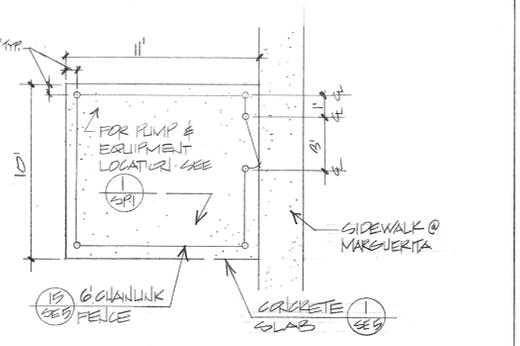
POST & RE-BAR CONNECTION N.T.S. 15



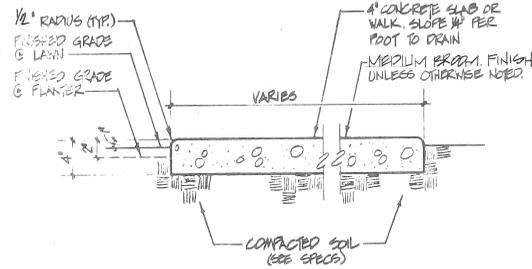
CROSS GUTTER: BLOW-UP 1/4"=1'-0" 16



CONCRETE SWALE N.T.S. 17

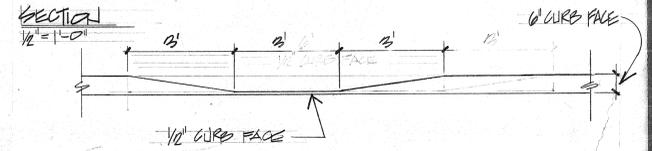
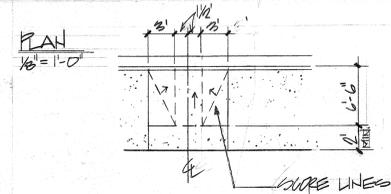
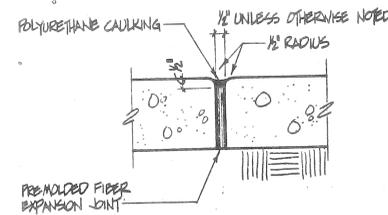
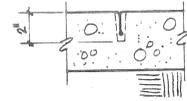


PUMP ENCLOSURE 1/4"=1'-0" 18



PVC CRACK CONTROL JOINT - JOINT MATERIAL SHALL BE A "I"-SHAPED PLASTIC STRAP AT LEAST 1" DEEP, HAVING SUITABLE ANCHORAGE TO PREVENT MOVEMENT, & HAVING A REMOVABLE STIFFENER AT LEAST 3/4" WIDE.

AFTER PRELIMINARY TROWELING, THE CONCRETE SHALL BE PARTED WITH A STRAIGHT EDGE TO A DEPTH OF 2". THE PLASTIC SHALL BE INSERTED IN THE IMPRESSION SO THAT THE UPPER SURFACE OF THE STIFFENER IS FLUSH WITH THE CONCRETE. JOINTS SHALL BE TOoled WITH A 1/4" RADIUS & SHALL OCCUR @ MAX. 16'-0" O.C. SEE PLAN FOR LAYOUT.



CONCRETE WALK OR SLAB

1/2" = 1'-0" 1

PVC CRACK CONTROL JOINT

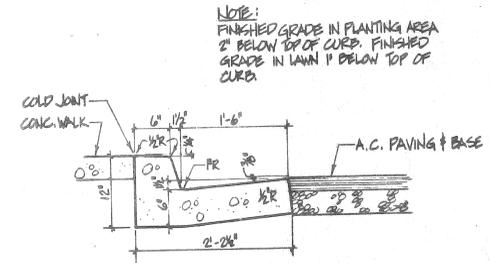
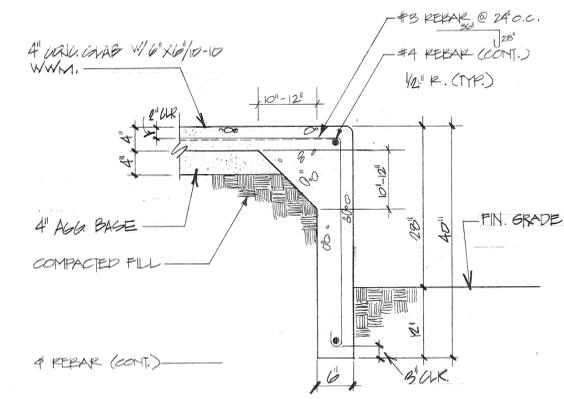
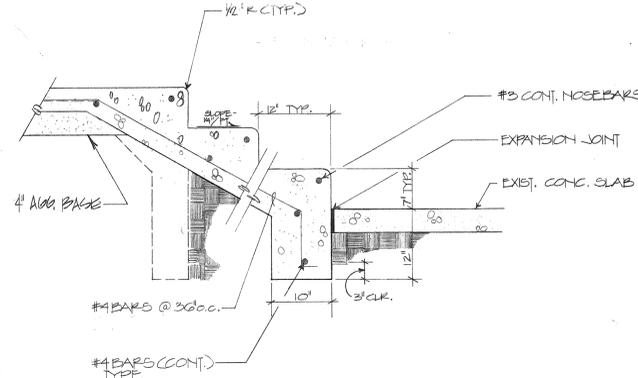
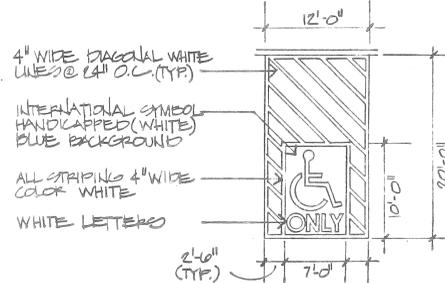
N.T.S. 2

EXPANSION JOINT WITH CAULKING

N.T.S. 3

HANDICAP RAMP

4



NOTE: FINISHED GRADE IN PLANTING AREA 2" BELOW TOP OF CURB. FINISHED GRADE IN LAWN 1" BELOW TOP OF CURB.

HANDICAP STALL

1/8" = 1'-0" 5

CONCRETE STAIRS

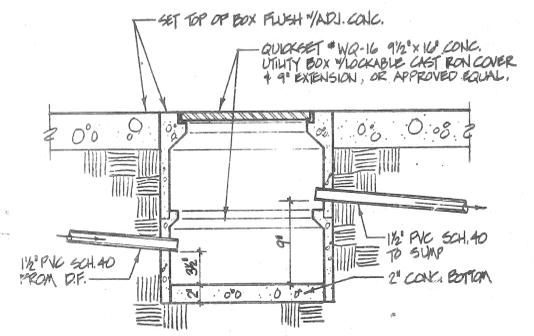
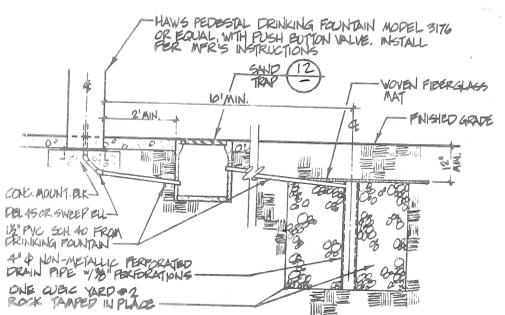
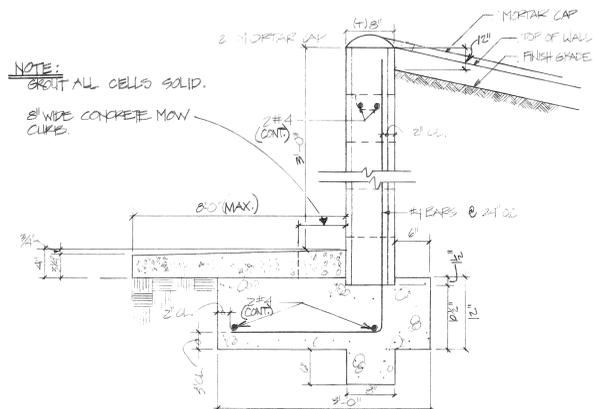
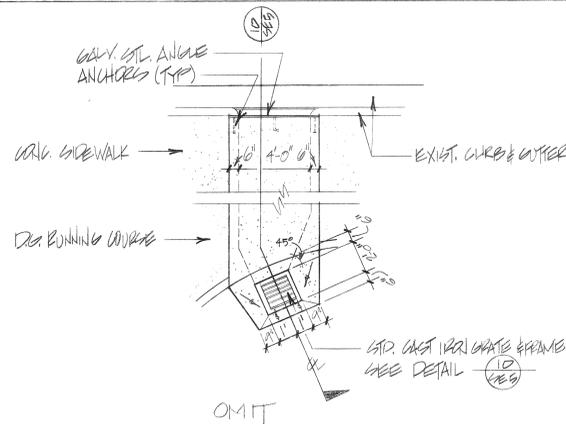
1" = 1'-0" 6

RAISED SLAB

1" = 1'-0" 7

CONCRETE CURBS AND GUTTERS

1" = 1'-0" 8



PARKWAY DRAIN - PLAN 3/4"

1/4" = 1'-0" 9

SCREEN WALL DETAIL

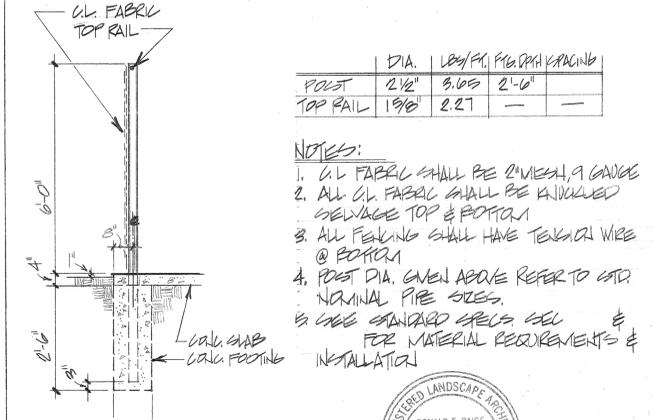
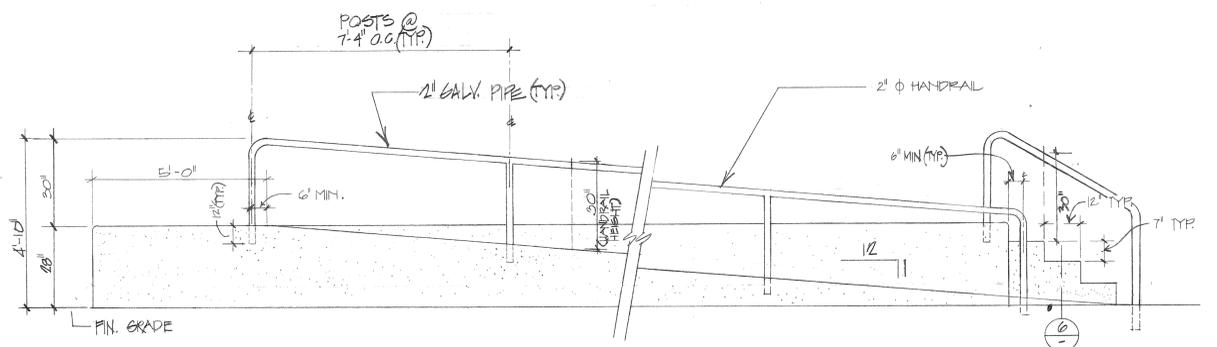
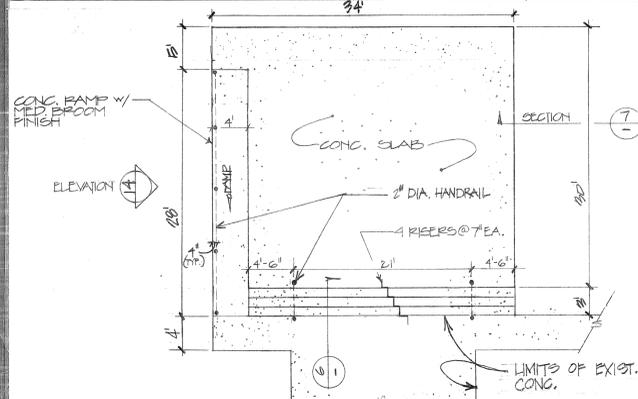
N.T.S. 10

DRINKING FOUNTAIN @ SUMP

1/2" = 1'-0" 11

DRINKING FOUNTAIN SAND TRAP

1/2" = 1'-0" 12



POST	DIA.	WGT./FT.	PERIMETER
TOP RAIL	2 1/2"	8.65	21.6"
	1 3/8"	2.27	-

NOTES:  
 1. ALL FABRIC SHALL BE 2-MESH, 9 GAUGE  
 2. ALL U.L. FABRIC SHALL BE ENLARGED SEWAGE TOP & BOTTOM  
 3. ALL FENCING SHALL HAVE TENSAR WIRE @ BOTTOM  
 4. POST DIA. GIVEN ABOVE REFER TO STD. NOMINAL PIPE SIZES.  
 5. USE STANDARD SPEC'S FOR MATERIAL REQUIREMENTS & INSTALLATION



RAISED SLAB PLAN

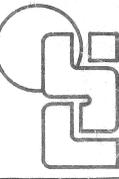
1/2" = 1'-0" 13

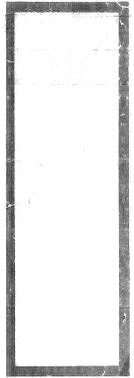
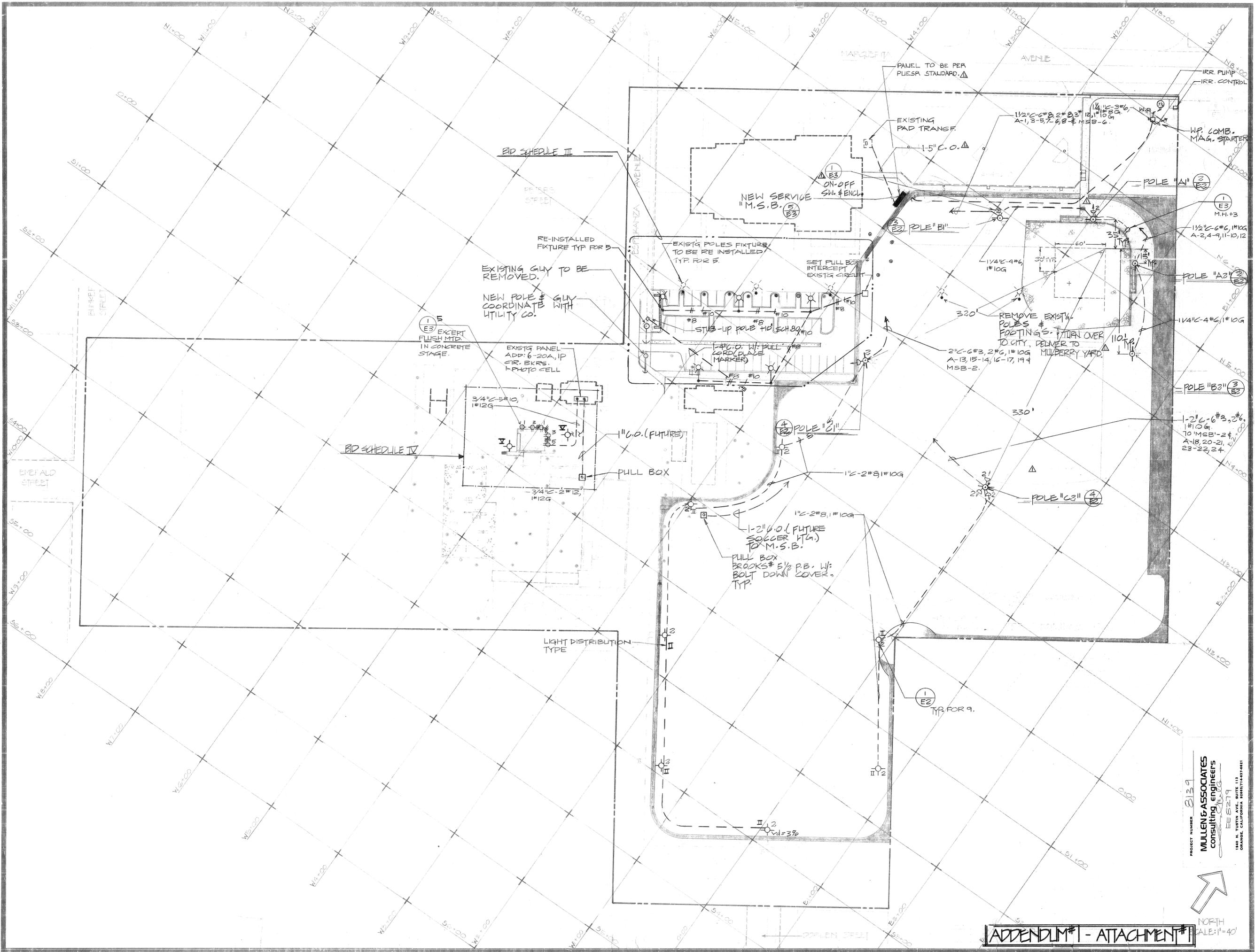
CONCRETE RAMP ELEVATION

1/2" = 1'-0" 14

6" CHAINLINK FENCE

1/2" = 1'-0" 15





PROJECT NUMBER: 2139  
**MULLEN & ASSOCIATES**  
 consulting engineers  
 1140 N. YURDIN AVE., SUITE 112  
 CHANA, CALIFORNIA 92703-4421  
 EE 6279



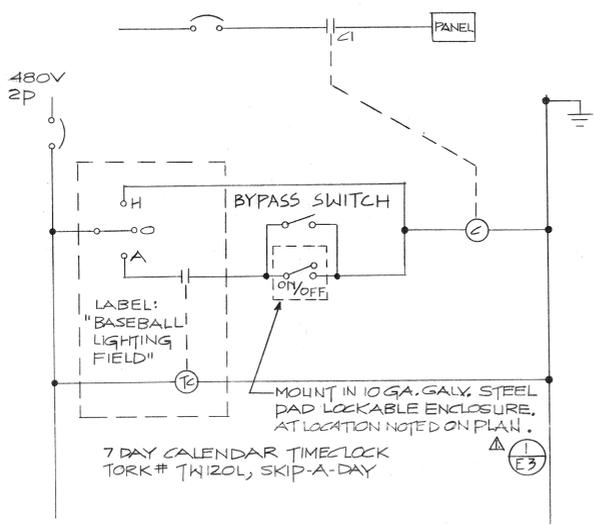
**ADDENDUM #1 - ATTACHMENT #1**  
 NORTH SCALE: 1"=40'

FIXTURE SCHEDULE		
SYMBOL	DESCRIPTION	LAMP
A 1140	SPORTS FLOOD, 1000 W METAL HALIDE, 208V BALLAST, 2-LINE FUSES, GLARE HOOD, PROT. OUTER HOUSING CAST ALUM. CONSTRUCTION, DARK BRONZE ACRYLIC & WITH LEXAN VANDAL SHIELD. CROUSE-HINDS# SALD-1000-MPH-208-ML4954-DF-VS	1- M-1000
B 310	VANDAL RESISTANT SECURITY FIXTURE, FINNED ALUM., LEXAN REFRACTOR. INTERGAL 208V BALLAST, DARK BRONZE ACRYLIC, TYPE II & II DIST. SEE PLANS. LUMIDYNE# VR-1-250 HPS 208 BZ	1- LW-250
C 310	FLOOD WITH LEXAN LENS/GLARE HOOD COMBINATION. 208V BALLAST. WITH 2-LINE FUSES. CROUSE-HINDS# MVD-2 LEC-VS-ML5541-DF	1- LW-250

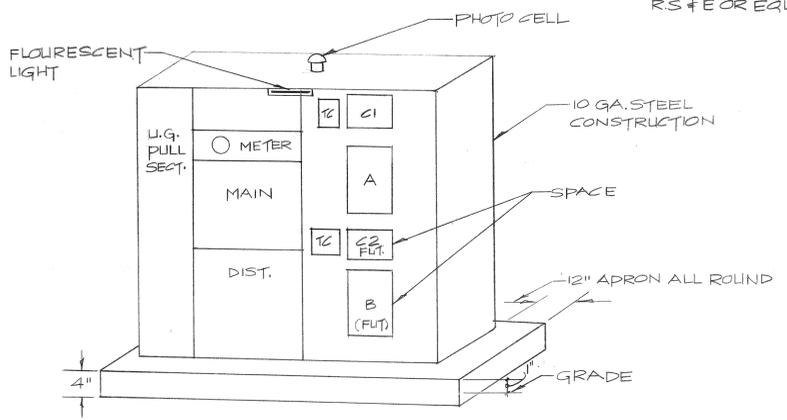
228A BUS M.L.O.

120/208V 30,4W PANEL "A" SCHEDULE			
CIR	CON	LOC	WATTS
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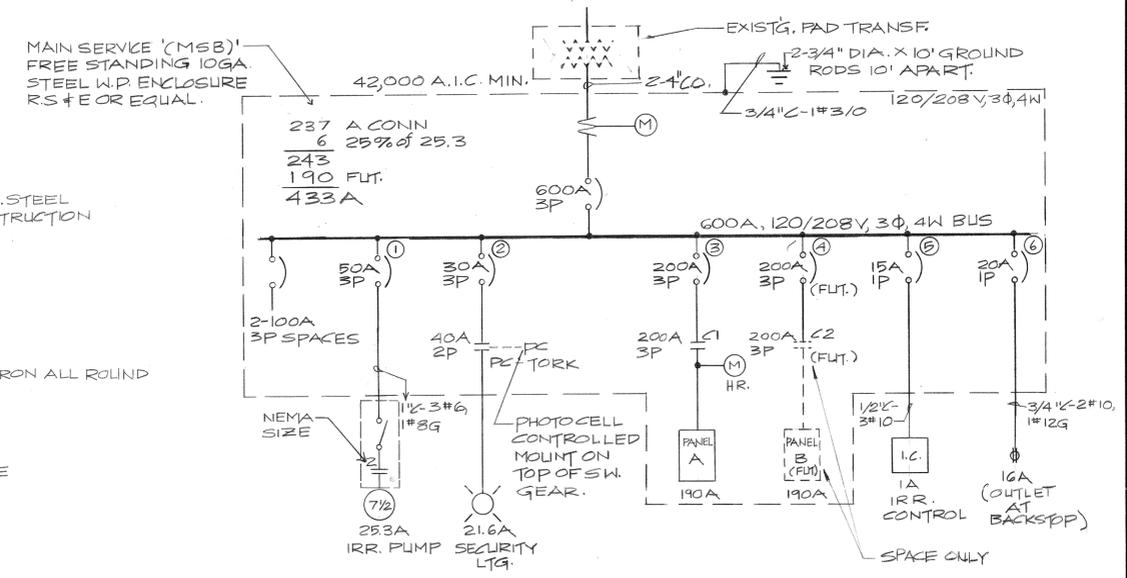
LIG. CONTACTOR SIZE PER I-LINE DIAGRAM



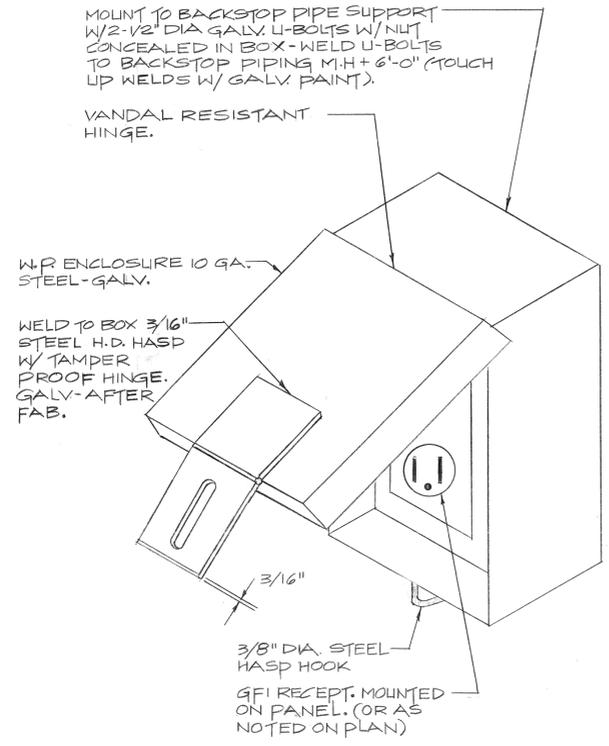
④ FIELD LIGHTING CONTROL DIAGRAM  
 (E3) (DEVICES LOCATED IN SWITCH GEAR ENCLOSURE- UNLESS NOTED). TYP.



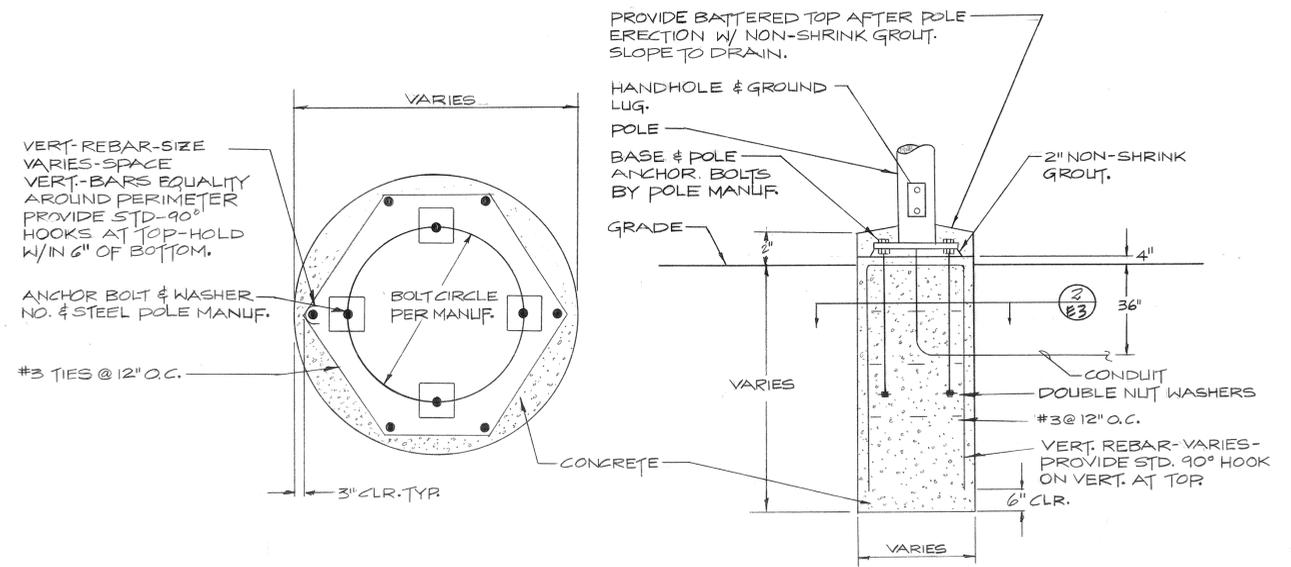
⑤ ELEVATION - MSB  
 (E3) NO SCALE



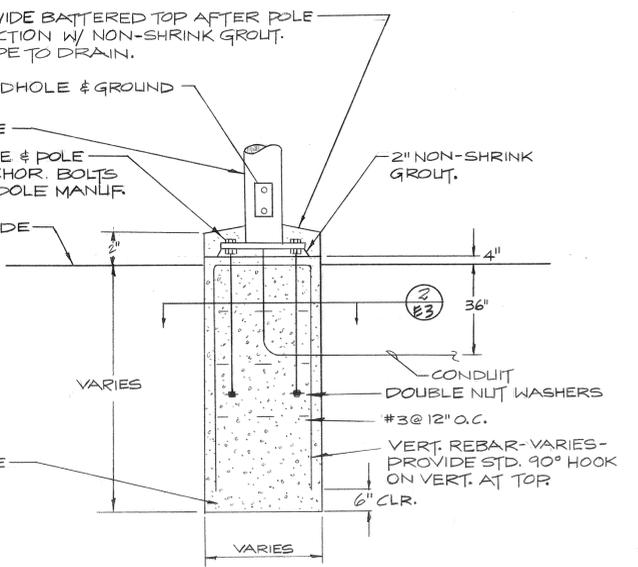
⑥ SINGLE LINE DIAGRAM  
 (E3) NO SCALE



① VANDAL RESISTANT ENCLOSURE  
 (E3) NOT TO SCALE



② FOUNDATION SECTION  
 (E3) NOT TO SCALE



③ TYPICAL ELEVATION  
 (E3) NOT TO SCALE

APPENDIX#1 - ATTACHMENT#1

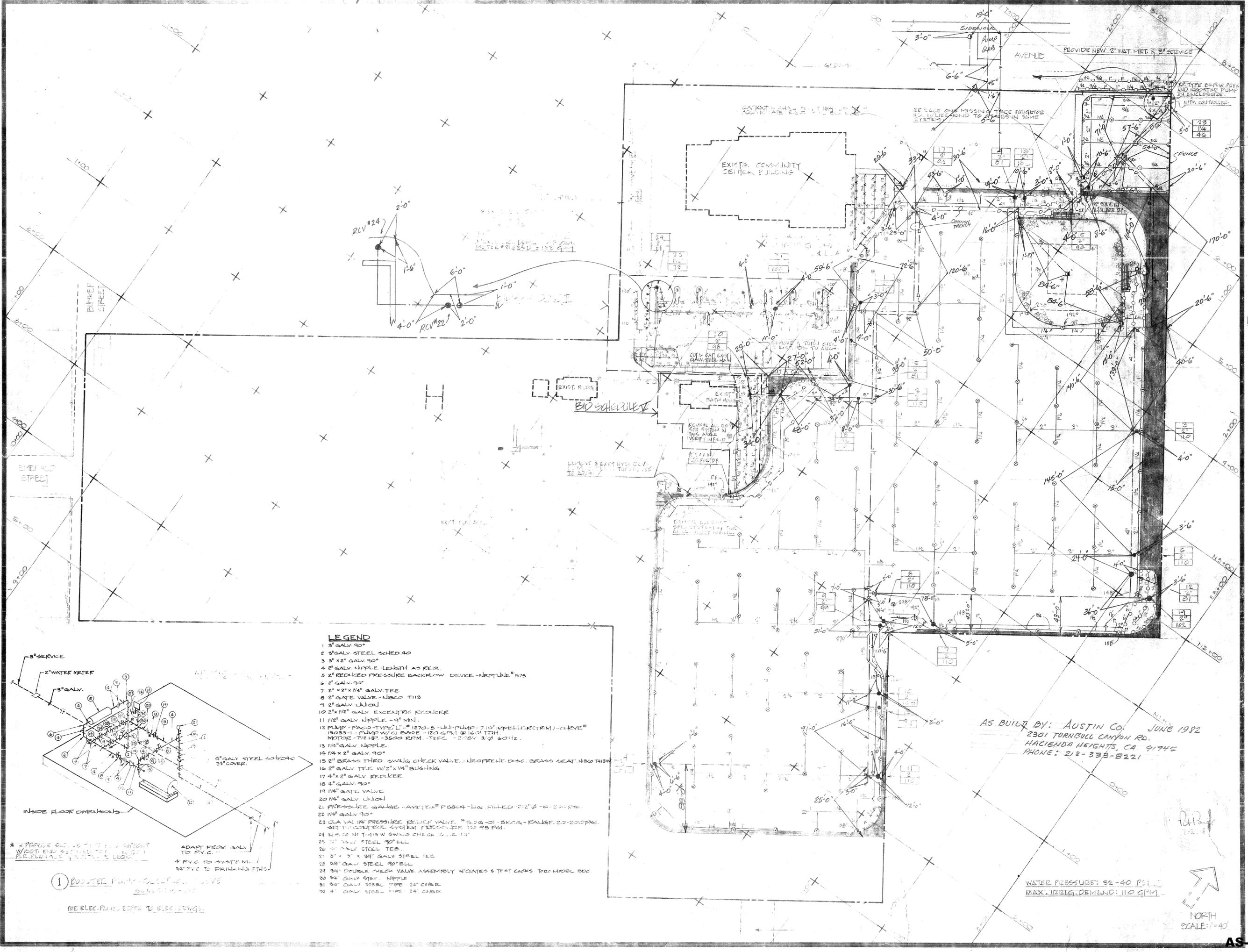


RIVERSIDE

VILLEGAS PARK  
 ELECTRICAL DETAILS

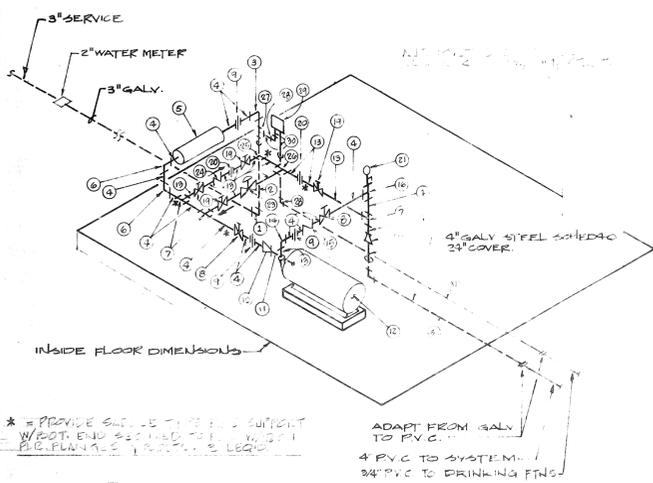
PROJECT NUMBER 8139  
 MULLEN & ASSOCIATES  
 consulting engineers  
 140 N. TUSTIN AVE., SUITE 113  
 ORANGE, CALIFORNIA 92667-4451  
 date 8-7-81  
 revised 8-10-81  
 sheet no. 113





**LEGEND**

- 1 3" GALV 90°
- 2 3" GALV STEEL SCHED 40
- 3 3" x 2" GALV 90°
- 4 2" GALV NIPPLE LENGTH AS REQ.
- 5 2" REDUCED PRESSURE BACKFLOW DEVICE - NEPTUNE # 575
- 6 2" GALV 90°
- 7 2" x 2" x 1/4" GALV TEE
- 8 2" GATE VALVE - NIBCO TH3
- 9 2" GALV UNION
- 10 2" x 1/2" GALV EXCENTRIC REDUCER
- 11 1/2" GALV NIPPLE - 9" MIN.
- 12 PUMP - PACO-TYPE "L" - # 1270-S - UNI-PUMP - 7.10" IMPELLER (TRIM) - CURVE # 13033-1 - PUMP W/ CI BASE - 120 GPM @ 160' TDH. MOTOR - 1/2 HP - 3500 RPM - TEFC - 208V 3/Ø 60Hz.
- 13 1/4" GALV NIPPLE
- 14 1/4" x 2" GALV 90°
- 15 2" BRASS THRO SWING CHECK VALVE - NEOPRENE DISC BRASS SEAT NIBCO TH313
- 16 2" GALV TEE 1/2" x 1/4" BUSHING
- 17 4" x 2" GALV REDUCER
- 18 4" GALV 90°
- 19 1/4" GATE VALVE
- 20 1/4" GALV UNION
- 21 PRESSURE GAUGE - AMEJEX # P5804 - LIQ FILLED - 2" x 1/2" - 0 - 200 PSI
- 22 1/4" GALV 90°
- 23 CLA VAL 1/4" PRESSURE RELIEF VALVE # 506-01 - BK. G. - KAUSE 20-200 PSI. SET TO 120 PSI FOR SYSTEM PRESSURE TO 95 PSI.
- 24 NIBCO TH 1/4" W SWING CHECK VALVE 1/4"
- 25 1/2" GALV STEEL 90° BELL
- 26 1/2" GALV STEEL TEE
- 27 3/4" x 1/2" x 3/4" GALV STEEL TEE
- 28 3/4" GALV STEEL 90° BELL
- 29 3/4" DOUBLE CHECK VALVE ASSEMBLY W/GATES & TEST COCKS TORO MODEL DDC
- 30 3/4" GALV 90° NIPPLE
- 31 3/4" GALV STEEL PIPE 24" COVER
- 32 4" GALV STEEL PIPE 24" COVER



AS BUILT BY: AUSTIN CO. JUNE 1982  
 2301 TURNBULL CANYON RD.  
 HACIENDA HEIGHTS, CA 91745  
 PHONE: 213-338-8221

WATER PRESSURE: 32-40 PSI  
 MAX. INSTANT. DEMAND: 110 GPM

NORTH  
 SCALE: 1"=40'



RIVERSIDE

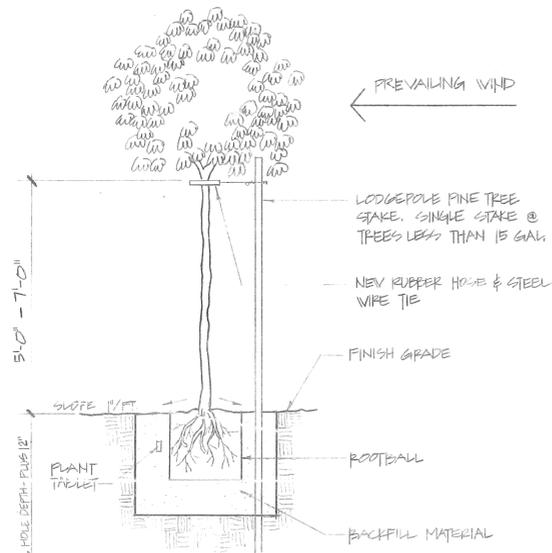
VILLEGAS PARK  
 IRRIGATION PLAN

date  
 5-7-81  
 revised  
 sheet no.

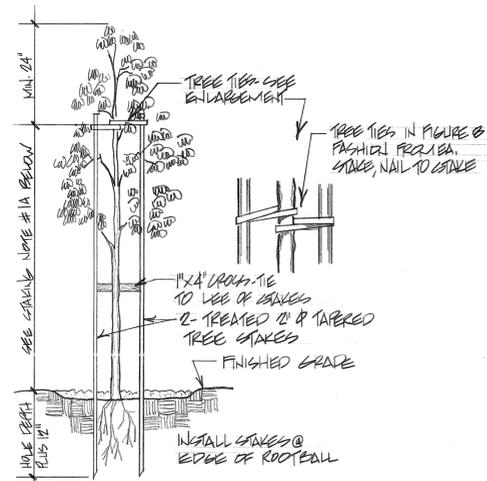
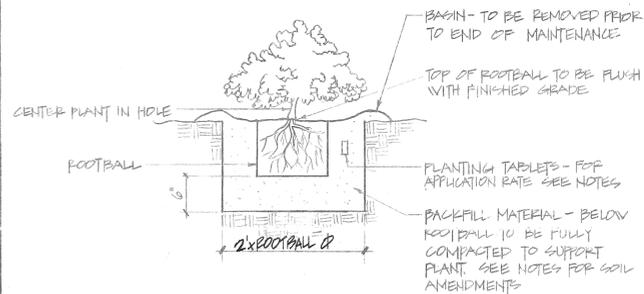
SD-1  
 AS-BUILT







NOTE: ALL DIMENSIONS NOT SHOWN ARE SAME AS TYP. PLANTING HOLE



TREE STAKING - 15 GALLON

NO SCALE 1

TYPICAL PLANTING HOLE - ALL PLANTS

NO SCALE 2

TREE STAKING - 15 GALLON & 24\"/>

N/S 3

4

PLANT LIST

	BOTANICAL NAME	COMMON NAME	GAL			SPEC	SPEC. MIN. SIZE		REMARKS
			1-GAL	5-GAL	15-GAL		HT.	DIAMETER	
	PODOCARPUS GROWLIOR	FERAL PINE			9				
	FICUS RETUSA VITICIA	INDIAN LAUREL FIG			6				
	JACARANDA ACUTIFLOA	JACARANDA			4				
	FRAXINUS VELLUTINA	MOCESSTO ASH			8				
	MORUS ALBA	FRUITLESS MULBERRY			5				
	LIRIODENDRON TULIPIFERA	TULIP TREE			15				
	FRAXINUS LANCEA	EVERGREEN ASH			31				
	LILULE AMERICANA	AMERICAN ELM			12				
	CARYA ILLINOENSIS	PECAN			2				
COVER TREES	DRACANTHEMUM FLORIBUNDUM	ROSEA ICE PLANT	(FROM PLANTS)					12\"/>	
	TURF (SEE SPECS FOR MIXTURE OF SEED)	(HYDROSEEDING)						SEE SPECS FOR RATE	

LANDSCAPE NOTES

- STAKING:
  - SUPPORT STAKES SHOULD BE NO TALLER THAN MIN. HEIGHT NECESSARY FOR TREE TRUNK TO RETURN TO AN UPRIGHT POSITION AFTER DEFLECTION.
  - A LINE DRAWN BETWEEN TWO SUPPORT STAKES SHOULD BE AT RIGHT ANGLES TO THE PREVAILING WIND.
  - ON MULTI-TRUNK TREES, BRANCHES REQUIRING ADDITIONAL SUPPORT SHALL BE SINGLE STAKED.
- SOIL AMENDMENTS:
  - ALL LANDSCAPE AREAS SHALL RECEIVE SOIL AMENDMENTS PER CITY STANDARDS AND SOIL ANALYSIS (SEE SPECS.) USE (MINIMUM QUANTITY PER 1000 SQ. FT.)
    - 6 CU. YDS. NITROGEN-STABILIZED ORGANIC AMENDMENT
    - 15 LBS. COMMERCIAL FERTILIZER 12-12-12
    - 100 LBS. GYPSUM
    - 10 LBS. AMMONIUM SULFATE
- THE PLANTING PLANS ARE ACCURATE FOR PLANTING ONLY. THE PLANT LIST TO BE USED AS A GUIDE ONLY, CONTRACTOR TO VERIFY QUANTITIES BY PLAN CHECK.
- ALL TREES IN LAWN AREAS TO BE PLANTED A MIN. 6' FROM WALKS AND SPRINKLER HEADS, MIN. 8' FROM WALLS, FENCES, AND STRUCTURES. ALL TREES SHALL BE PLANTED MIN. 10' FROM SEWER AND WATER MAIN LINES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE AND STAKE ALL SEWER AND WATER MAINS PRIOR TO PLANTING.
- AMENDED BACKFILL FOR PLANTING HOLES SHALL BE:
  - 2 PARTS BY VOLUME ON-SITE SOIL
  - 4 PARTS BY VOLUME ORGANIC AMENDMENT
  - 2 LBS. IRON SULFATE PER CU. YD. OF MIX.
  - 1 LB. 12-12-12 COMMERCIAL FERTILIZER PER CU. YD.
 NOTE: ABOVE BACKFILL MIX IS A MIN. & MAY BE ADJUSTED PER AGRICULTURAL SOILS REPORT
- PLANT TABLETS: 21 GRAM TABLETS SHALL BE PLACED IN THE UPPER 1/3 OF THE PLANTING PIT, ± 2\"/>

GALLONS	TABLETS
1	1-2
3	2-3
5	3-5
7	3-5
15 BOX SIZE	1 PER 1/2\"/>

5

6

