

B W I M M I N G

P O O L

IMPROVEMENTS FOR

ISLANDER PARK

3794 MOUNT VERNON AVENUE
RIVERSIDE, CALIFORNIA 92507

PREPARED FOR
CITY OF RIVERSIDE PARK & RECREATION DEPARTMENT
3900 MAIN STREET, RIVERSIDE, CALIFORNIA 92522

REVISIONS	BY
AS-BUILT	RB

Rowley International Inc
 Engineering
 2325 Palos Verdes Drive West
 Second Floor
 Palos Verdes Estates, California 90274
 (213) 377-6724

Filtration
 Solar
 Hydro

ISLANDER POOL
 Prepared for
 City of Riverside Park & Recreation Department
 3900 Main Street, Riverside, CA 92522

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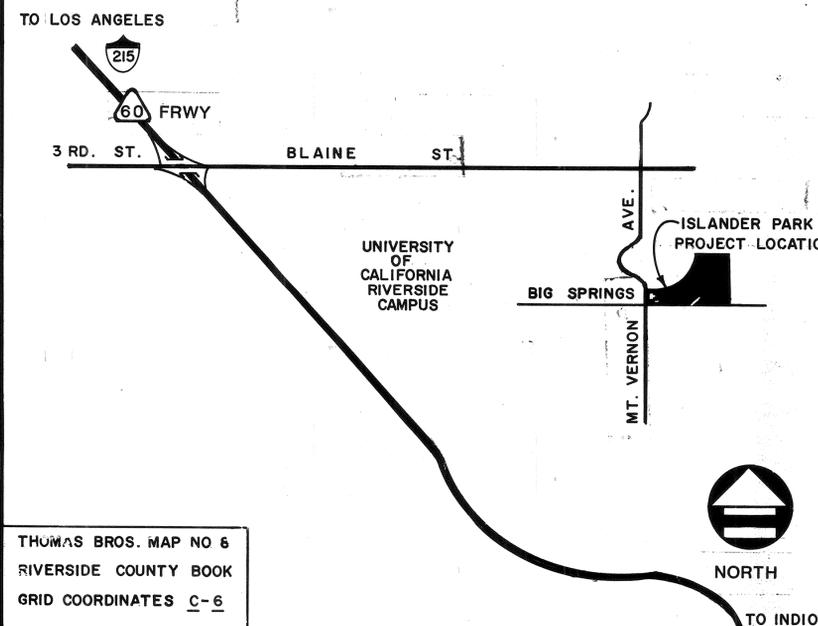
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 (213) 413 - 5313

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 Irvine, CA 92718
 (714) 768-6911

VICINITY MAP



THOMAS BROS. MAP NO 6
 RIVERSIDE COUNTY BOOK
 GRID COORDINATES C-6

SHEET INDEX

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APPROVALS

Dee W. Bachman 10/23/87
 Dee W. Bachman, Director of Park and Recreation Date

Terry Nielson 10/23/87
 Terry Nielson, Park Superintendent Date

Ron Reese 10-23-87
 Ron Reese, Recreation Superintendent Date

Robert L. Johnson 10-23-87
 Robert L. Johnson, Park Project Coordinator Date

SHEET 25 OF 65

DRAWN
ANNE McCOWAN
 CHECKED
W N R
 DATE
MAY 6, 1987
 SCALE
NONE
 JOB NO.
86.113
 SHEET
**TITLE SHEET w/
 SHEET INDEX &
 VICINITY MAP**
 OF T-1 SHEETS

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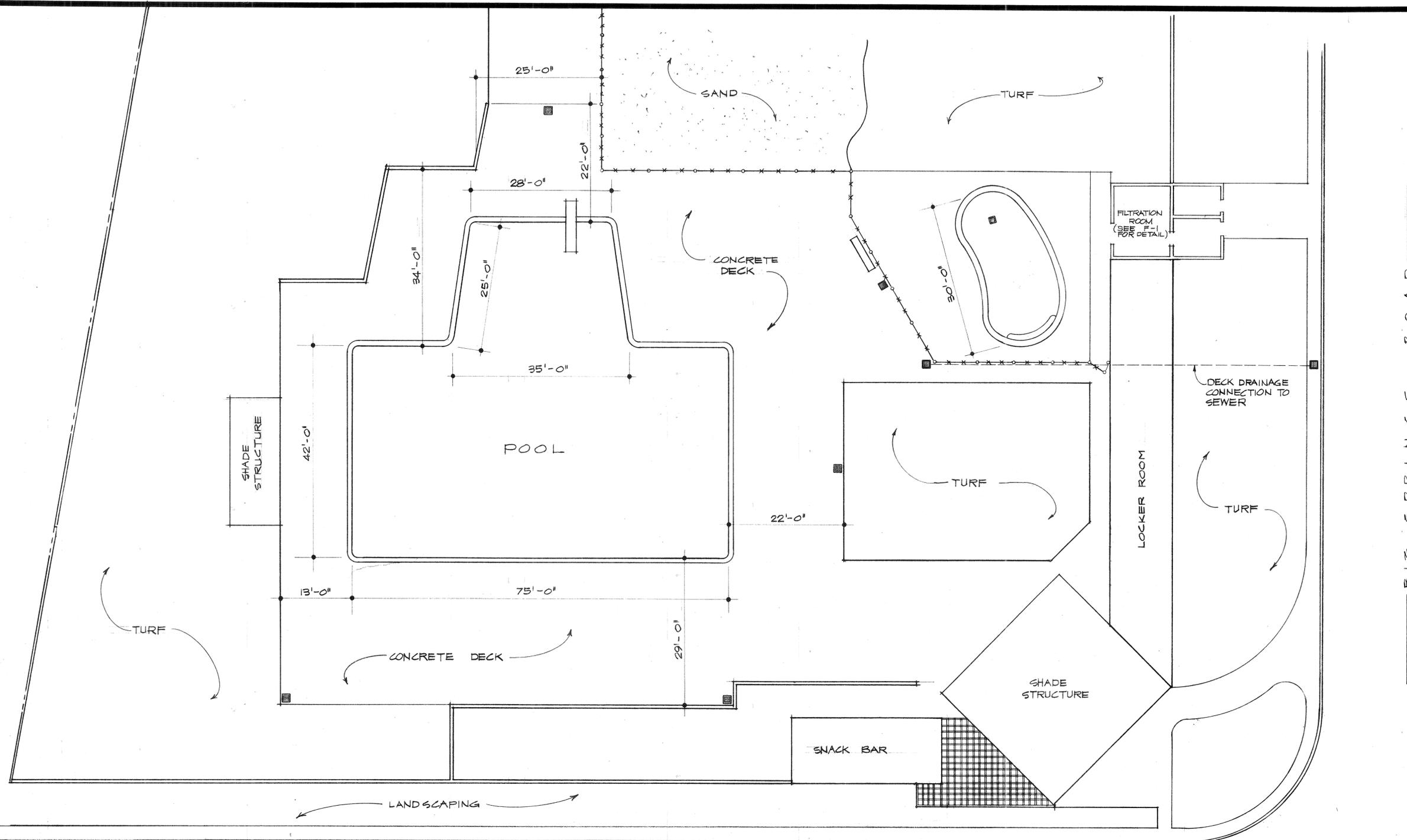
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SHEET 26 OF 65

DRAWN	A. C. ROQUE
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DATE	MAY 6, 1987
SCALE	AS SHOWN
JOB NO.	86.113
SHEET	SITE PLAN
SP/A-1	1

OF SHEETS



B I G S P R I N G S R O A D

M O U N T V E R N O N A V E N U E

NOTE:
 CONTRACTOR MAY USE EXISTING PARKING LOT FOR ACCESS AND STORAGE AT HIS OWN RISK, EXISTING TURF AREAS TO REMAIN CLEAR OF ALL CONSTRUCTION MATERIALS, EQUIPMENT AND WORKER VEHICLES.

ADDITIVE ITEMS

- REFER TO THE BID PROPOSAL DOCUMENTS FOR THE FOLLOWING ITEMS:
1. INSTALL AUTOMATIC FLOW CONTROL VALVE (ITEM #14 ON SHEET SP/A-4).
 2. REMOVE AND REPLACE ENTIRE POOL DECK FROM EDGE OF POOL TO PERIMETER FENCE.
 3. RENOVATION OF WADING POOL AS INDICATED IN THE DRAWINGS INCLUDING:
 - A. REMOVAL AND REPLACEMENT OF DECK AND COPING TILE.
 - B. NEW CONCRETE WADING POOL FLOOR.
 - C. TWO NEW MAIN DRAINS.
 - D. NEW PLASTER AND WATERLINE TILE.
 - E. REMOVAL AND REPLACEMENT OF ALL CIRCULATION PIPING AND FITTINGS.
 - F. REMOVAL OF UNDERWATER LIGHT.
 4. INSTALL BACKFLOW DEVICE ON WATER SUPPLY.

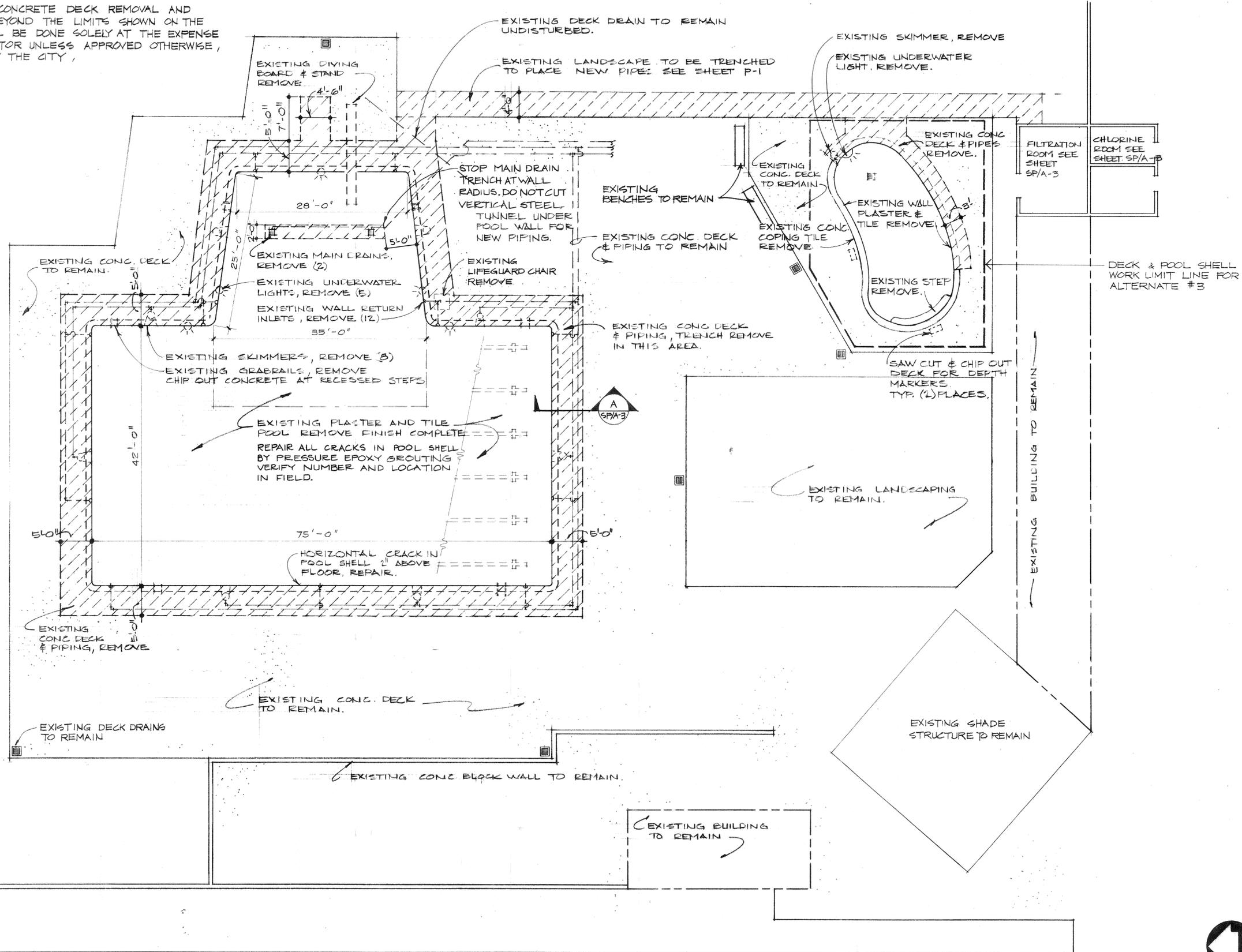


SITE PLAN

SCALE: 1" = 10'-0"

NOTE :

ADDITIONAL CONCRETE DECK REMOVAL AND REPLACEMENT BEYOND THE LIMITS SHOWN ON THE DRAWINGS SHALL BE DONE SOLELY AT THE EXPENSE OF THE CONTRACTOR UNLESS APPROVED OTHERWISE, IN WRITING, BY THE CITY.



POOL & DECK PLAN
SCALE 1/8" = 1'-0" (DEMOLITION)



REVISIONS	BY
AS-BUILT	RD

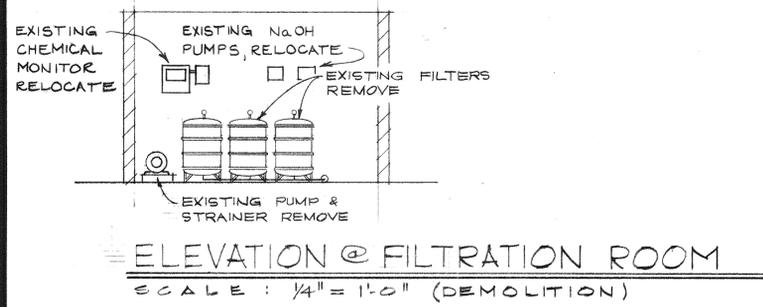
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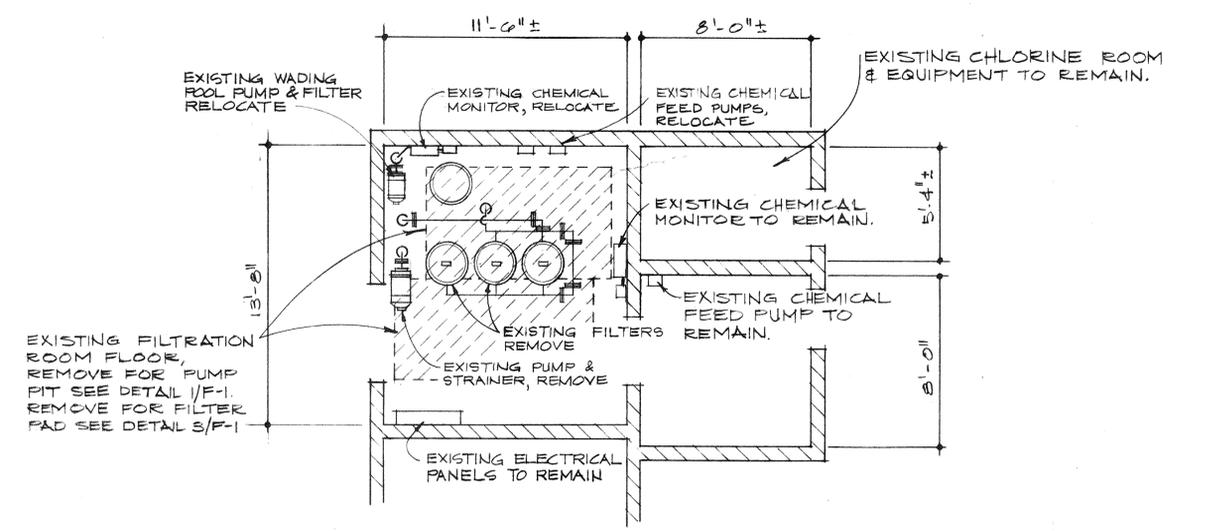
SHEET 27 OF 65

DRAWN	S.T. GARCIA
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SCALE	AS SHOWN
JOB NO.	86.113
SHEET	POOL & DECK PLAN
OF SHEETS	SP/A-2

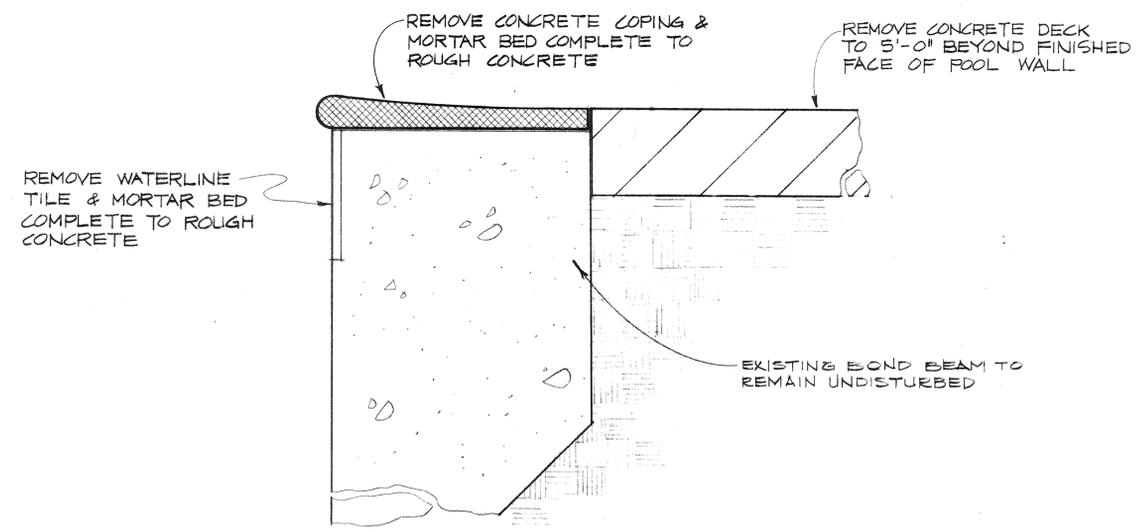


DEMOLITION NOTES

1. VERIFY EXISTING CONDITIONS AND ACCURACY OF DRAWING DIMENSIONS BEFORE STARTING WORK. REPORT DISCREPANCIES BETWEEN THE DRAWINGS AND ACTUAL CONDITIONS TO EXECUTIVE ENGINEER FOR INSTRUCTIONS BEFORE STARTING WORK.
2. PROTECT EXISTING WORK WHICH IS TO REMAIN IN PLACE OR IS TO BE REUSED PER SPECIFICATION REQUIREMENTS.
3. VERIFY THE INTEGRITY OF ALL WORK TO REMAIN.
4. ADDITIONAL WORK DETERMINED NECESSARY DURING CONSTRUCTION SHALL BE APPROVED BY THE CITY AND EXECUTIVE ENGINEER.
5. CONTRACTOR SHALL VERIFY THE NUMBER AND LOCATION OF ALL CRACKS IN THE CONCRETE POOL SHELL AND REPAIR BY PRESSURE EPOXY GROUTING.
6. ALL DECK EQUIPMENT AND MECHANICAL EQUIPMENT REMOVED AND NOT REUSED SHALL REMAIN PROPERTY OF THE CITY AND SHALL BE DELIVERED, BY THE CONTRACTOR, TO THE MULBERRY YARD AT 3880 MULBERRY, RIVERSIDE, CA., AT THE CITY'S OPTION. ANY EQUIPMENT THAT THE CITY ELECTS NOT TO SALVAGE SHALL BE DISPOSED OF OFF SITE IN A LEGAL MANNER BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CITY.



FILTRATION & CHLORINE ROOM PLAN
SCALE: 1/4" = 1'-0" (DEMOLITION)



A SECTION
SCALE: 3" = 1'-0"

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W. N. R.
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86. 113

SHEET
FILTRATION & CHLORINE ROOM PLAN (DEMOLITION)
OF SP/A-3 SHEETS

EQUIPMENT SCHEDULE

GENERAL NOTES

ITEM NO.

ITEM NO.	LOCATION	DET.	QTY.	DESCRIPTION	MFGR.
1	DECK EQUIPMENT	1 SPA-6	1	ONE METER DIVING TOWER - EPOXY COATED ALUMINUM FRAME WITH DOUBLE STAINLESS STEEL GUARDRAILS ON EACH SIDE, ADJUSTABLE FULCRUM, 16' 6070-T6 ALUMINUM EXTRUDED SPRINGBOARD, AND BRONZE DECK ANCHORS.	ARCADIA AIR PRODUCTS 70-231-400
2		3 SPA-6	6	GRABRAILS - FIGURE "4" STYLE 304 STAINLESS STEEL. 1.90" OUTSIDE DIAMETER X .109" WALL THICKNESS, WITH WELDED JOINTS AND 320 GRIT FINISH.	KDI PARAGON
3		4 SPA-6	24	GRABRAIL/HANDRAIL ANCHORS - CAST BRONZE LOCKING WEDGE AND STAINLESS STEEL ESCUTCHEON PLATE.	KDI PARAGON 28102 & 28302
4		3 SPA-6	6	BUILT IN STEPS - FOAMED PLASTIC (FROST PROOF) WITH SLIP RESISTANT TREAD. THREE STEPS PER SET.	KDI PARAGON 32102
5		2 SPA-6	1	LIFEGUARD CHAIR - 6' HIGH, WITH 304 STAINLESS STEEL FRAME, BRONZE ANCHORS AND ANCHOR STUB.	KDI PARAGON 20002
6		6 P-2	9	DECK SLOT DRAIN GRATE - 8" X 8" VANDAL PROOF GALVANIZED CAST IRON GRATE AND FRAME.	ALHAMBRA FOUNDRY A-2010
7		7 SPA-5	1	LIFE LINE - 3/4" POLYETHYLENE ROPE 75' LONG WITH HOOKS AND (20) 5" X 9" FLOATS.	KDI PARAGON C2983, C3030, & C3040
8		7 SPA-6	1	HANDICAP LIFT SOCKET - BRONZE ANCHOR WITH VANDAL PROOF THREADED CAP.	LIFEGUARD LIFT INC.
9	POOL FIXTURES	1 P-2	2	MAIN DRAIN OUTLET - 12" X 12" CHROME PLATED BRONZE FRAME AND GRATE, VANDAL PROOF.	SWIMQUIP 7120
10		6 SPA-6	2	CUP WALL ANCHORS - CHROME PLATED CAST BRONZE ANCHOR WITH THREADED CHROME PLATED BRONZE EYEBOLT.	KDI PARAGON 70316
11		2 P-2	8	SKIMMER - MOLDED CYCOLAC BODY WITH 10" DIAMETER HEAVY DUTY CYCOLAC DECK PLATE AND 8" WIDE WEIR. PROVIDE FLOAT ASSEMBLY AND EQUALIZER LINE WITH 2" SPRING CHECK VALVE AND FLUSH MOUNTED INLET FITTING.	SWIMQUIP 8650-74
12		5 P-2	28	RETURN INLET - CYCOLAC EYEBALL FITTING WITH 1" DIAMETER ORIFICE DIRECTIONAL NOZZLE 1 1/2" SOLVENT WELD.	SWIMQUIP #8429
13		FILTRATION EQUIPMENT	13 F-1	1	FILTER SYSTEM - FULLY AUTOMATED PERMANENT MEDIA HI-RATE SAND FILTER WITH (3) TANKS AND 6" FACE PIPING.
14	14 F-1		1	FLOW CONTROL VALVE - STAINLESS STEEL BODY WITH ELASTOMETRIC CONTROL MEMBER, AND AUTOMATIC PILOT CONTROL. 6" SIZE.	ROLL SEAL 06-S-S7-L-15 140-RF-550 GPM
15	15 F-1		1	FLOWMETER - SELF POWERED WITH ANALOG READOUT, 0-1200 GPM SCALE RANGE FOR 6" PIPE.	SIGNET MK 509
16	16 F-1		1	FLOWSENSOR - PADDLEWHEEL TYPE WITH 1-50 FT/SEC. RANGE, AND SADDLE FOR 6" PIPE.	SIGNET MK 615
17	17 F-1		1	THERMOMETER - STAINLESS STEEL CASE AND STEM, 30°-130° F RANGE, MOUNTED IN 6" POOL RETURN LINE.	LETRO SL-1D
18	18 F-1		1	PUMP - 15 HP, 3 Ø, 208V, 3450 RPM, BRONZE FITTED, SELF-PRIMING WITH ATTACHED STRAINER BASKET AND EPOXY COATED WETTED SURFACES. 6" SUCTION AND 4" DISCHARGE. 550 GPM @ 85' HEAD.	PUREX CHK-150
19	CHEMICAL TREATMENT		2 E-2	1	CHLORINE DETECTOR - DETECTS 1 PPM OF CHLORINE WITH INTEGRAL FAN FOR POSITIVE SAMPLING OF AIR. WALL MOUNTED 115 V, 0.4 A.
20		1 E-2	10	UNDERWATER LIGHTS - STAINLESS STEEL LIGHT, NICHE, AND FACE RING, 500 WATT WITH 100' CORD. 150' CORD LENGTH IS REQUIRED IN THREE PLACES. CONDUIT HUB MOUNTED HORIZONALLY ON REAR OF NICHE.	WADE DESIGN SERIES ONE
21		21 F-1	1	CHLORINE ALARM HORN - LOW CURRENT, HIGH DECIBEL HORN OR SIREN. 120 V, 0.28A.	EDWARDS SIGNALING DEVICES #5520-N5
22		22 F-1	1	CHLORINE STROBE BEACON - HIGH INTENSITY STROBES RED LENS, 80 DOUBLE FLASHES PER MINUTE, WITH FLANGE FOR MOUNTING ON 1" PIPE. 120V, 0.40A.	EDWARDS SIGNALING DEVICES #57R-AY
23				SAFETY SIGNS - SEE SPECIFICATIONS SECTION 13154	
24			2 F-1	1	SUMP PUMP - 1/3 H.P. SUBMERSIBLE WITH MERCURY FLOAT SWITCH. 115 V, 9.0A, 60HZ, 1 Ø
25					
26					

FILTRATION

1. FILTER TANK ASSEMBLIES BEAR THE NATIONAL SANITATION SEAL OF APPROVAL FOR A MAXIMUM FLOW RATE OF 20 G.P.M. PER SQ. FT. OF FILTER AREA.
2. FILTER TANKS WITH EXTERNAL AND INTERNAL ACCESSORIES: MANUFACTURER TO PROVIDE GUARANTEES AND WARRANTIES AND SPARE PARTS NECESSARY FOR STANDARD FILTER OPERATION AND MAINTENANCE.
3. FILTER MANUFACTURER TO CERTIFY FILTER MEDIA.
4. POST ON WALL FILTER OPERATING INSTRUCTIONS WITH VALVE OPERATING SEQUENCES CHART, MOUNT IN WATER RESISTANT / WATERTIGHT CONTAINER + 48" ABOVE FLOOR NEAR FILTERS, NUMBER VALVES TO CORRESPOND WITH INSTRUCTIONS ON VALVE SEQUENCING PROCEDURE PER SPECIFICATIONS.
5. PROTECT POTABLE WATER CONNECTION TO FILTER AUTOMATIC BACKWASH VALVES WITH A PRESSURE VACUUM BREAKER.

PLUMBING

1. HYDROSTATICALLY TEST ALL PIPING: 100 P.S.I. PRESSURE GAUGE RATING FOR 1 HOUR.
2. SANDBLAST ALL FERROUS METAL TO WHITE METAL INCLUDING FACE OF FLANGES AND COAT PER SPECIFICATIONS.
3. SUPPORT OVERHEAD AND VERTICAL PIPING PER SPECIFICATION REQUIREMENTS.
4. INSTALL ALL PIPING PER SPECIFICATION REQUIREMENTS.
5. IDENTIFY ALL FILTER ROOM PIPING WITH PAINTING CODE AND ARROWS PER SPECIFICATIONS.
6. ALL BUTTERFLY VALVES UP TO 6": LEVER OPERATE, ALL BUTTERFLY VALVES OVER 6" GEAR OPERATED. USE VALVES RATED FOR 150 P.S.I. AND 200 °F.
7. POOL CIRCULATION PIPING AND ALL P.V.C. FITTING SHALL BE SCHEDULE 80 P.V.C. INJECTION MOLDED AND SOLVENT WELDED.
8. ALL VALVES 1 1/2" THRU 3" R.S. "TRUE UNION" STYLE SOCKET WITH REPLACEABLE TEFLON SEAT INJECTION MOLDED AND SOLVENT WELDED.
9. ALL PIPING PASSING THROUGH WALLS OF WATER HOLDING TANKS AND FITS SHALL HAVE A FLANGE TYPE WATERSTOP OF FULL PIPE SIZE DIAMETER INSTALLED.
10. BEFORE HYDROSTATIC TESTING SECURE ALL FIXTURES PER SPECIFICATION.
11. COORDINATE THE INTERFACING OF THE EXISTING CITY WATER AND BACKWASH TO WASTE LINES WITH THE CITY OF RIVERSIDE.

PUMPS

1. PROVIDE ALL PUMPS WITH SEPARATE "ON/OFF" SWITCH. INSTALL A MASTER CONTROL SWITCH WITH "ON/OFF" FOR EMERGENCY OPERATION.
2. INTERLOCK FILTER PUMP WITH CHEMICAL METERING PUMP AND CHLORINE BOOST PUMP.

CONCRETE

1. DO NOT PLASTER POOL UNTIL CONCRETE IN ALL POOL SHELL TRENCHES HAS CURED FOR 28 DAYS.
2. DO NOT PLASTER WADING POOL UNTIL CONCRETE FLOOR HAS CURED FOR 28 DAYS.

CHEMICAL

1. CHEMICAL METERING PUMP FEED LINES SECURE TO WALL AND/OR OVERHEAD WITH CLIPS OR DEVICES THAT DO NOT CRIMP, DISTORT OR ALLOW HIGH AND LOW AREAS IN RUNS. PLACE CHECK VALVE AND SHUT OFF VALVE BEFORE LINES ENTER POOL RETURN PIPING.
2. ALL COMPONENTS OF THE EXISTING AUTOMATED CHEMICAL CONTROL SYSTEM SHALL BE RELOCATED AS REQUIRED AND RECONNECTED TO NEW PIPING.
3. THE CHEMICAL MONITOR BYPASS LINE SHALL SAMPLE WATER AFTER FILTERS AND BEFORE ANY CHEMICAL INJECTION, AND RETURN TO SUCTION SIDE OF PUMP.
4. CONTRACTOR SHALL VERIFY PROPER OPERATION OF THE AUTOMATED CHEMICAL CONTROL SYSTEM.

27	WADING POOL	3 F-2	2	MAIN DRAIN GRATES - 12" X 12" CHROME PLATED BRONZE FRAME AND GRATE, VANDAL PROOF.	SWIMQUIP 7120
28		5 P-2	3	RETURN INLET - CYCOLAC EYEBALL FITTING WITH 1" DIAMETER ORIFICE DIRECTIONAL NOZZEL 1-1/2" SOLVENT WELD.	SWIMQUIP 8429
29		4 P-2	1	SKIMMER - MOLDED CYCOLAC BODY WITH 10" DIAMETER HEAVY DUTY CYCOLAC DECK PLATE AND 8" WEIR. PROVIDE FLOAT ASSEMBLY AND 2" SPRING CHECK VALVE.	SWIMQUIP 8650-74
31					
32					

NOTE:
ALL ITEMS LISTED IN THE EQUIPMENT SCHEDULE ARE NEW UNLESS STATED OTHERWISE. THIS IS A LIST OF MAJOR EQUIPMENT ONLY. ADDITIONAL ITEMS REQUIRED TO COMPLETE THIS WORK SHALL BE PROVIDED BY THE CONTRACTOR.

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A5-BUILT	RB

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SHEET 29 OF 65
 DRAWN
 A. C. ROQUE
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 DATE
 MAY 6, 1987
 SCALE
 NONE
 JOB NO.
 86.113
 SHEET
 EQUIPMENT
 SCHEDULE &
 GENERAL NOTES
 OF SP/A-4 SHEETS

REVISIONS	BY
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Hydro Solar Filtration

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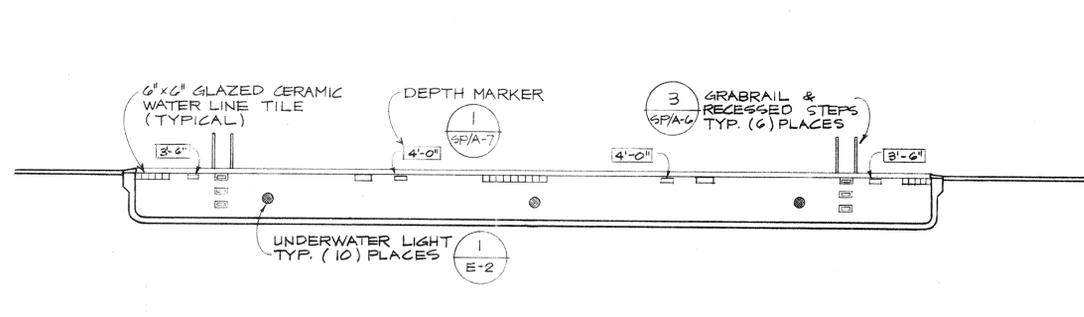
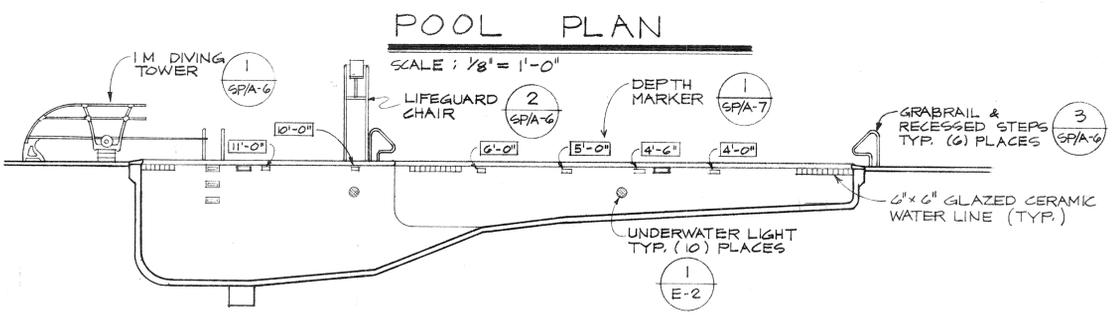
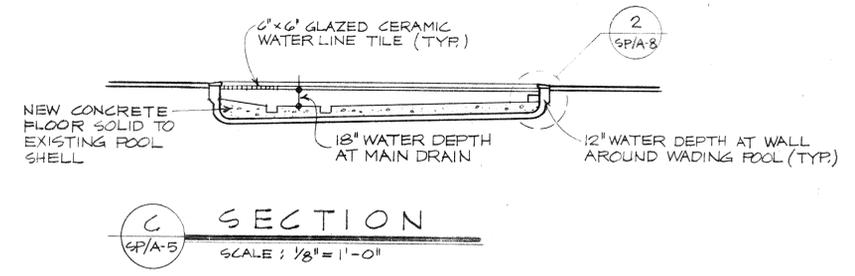
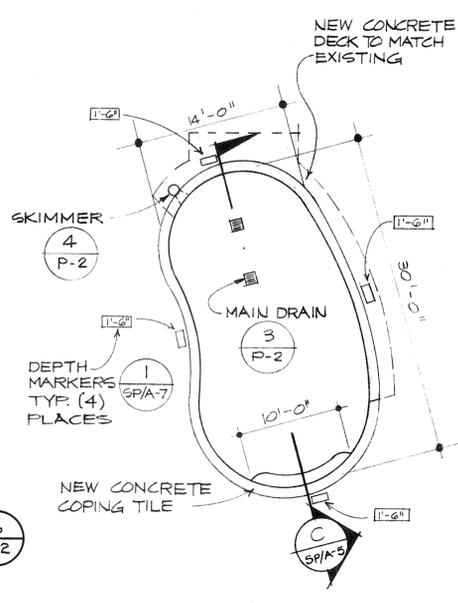
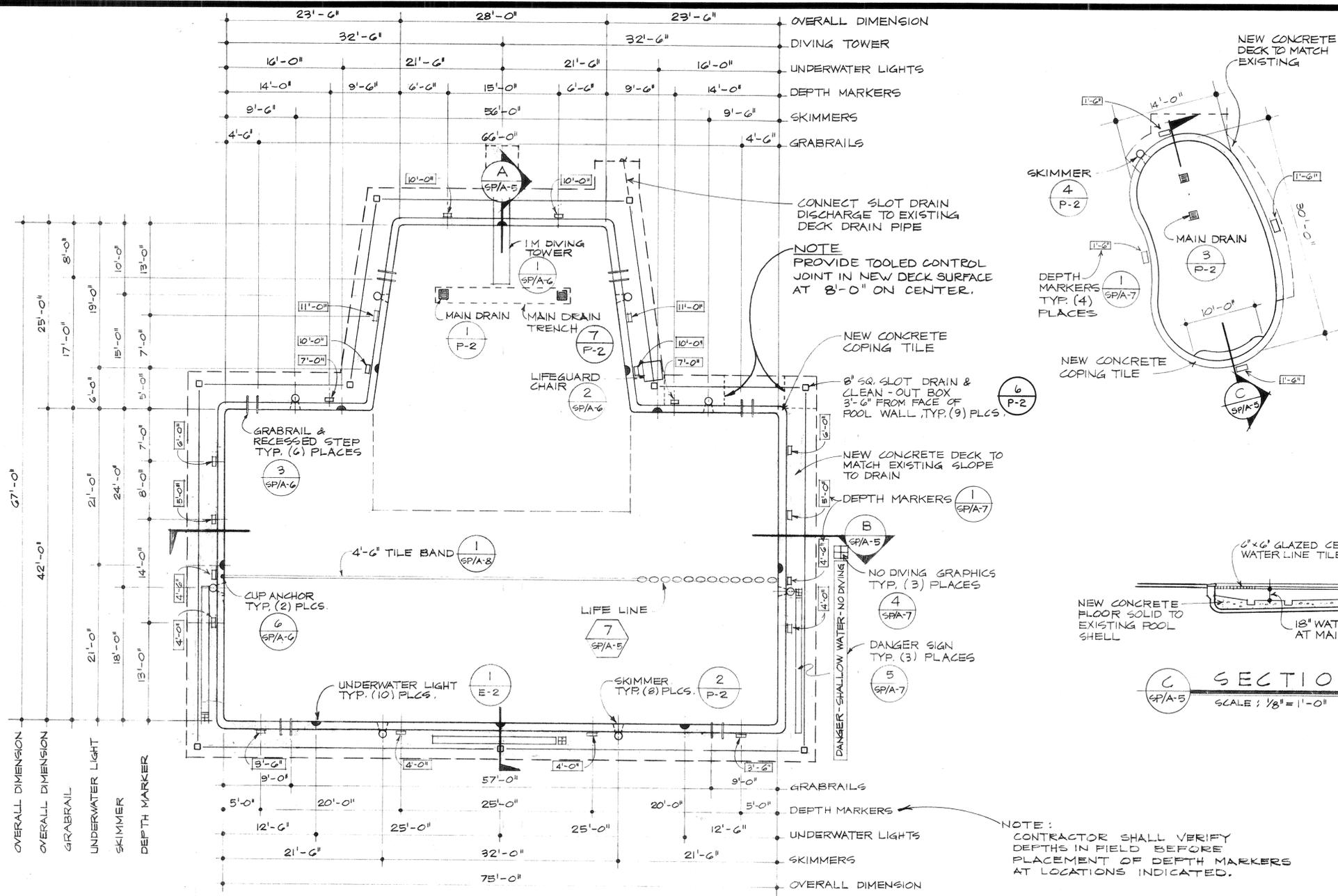
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SHEET
POOL PLAN & SECTIONS

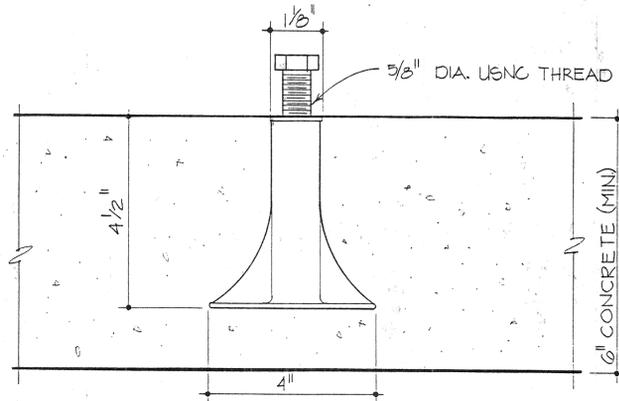
OF SP/A-5 SHEETS

POOL STATISTICS		
DIMENSIONS	POOL	WADING POOL
OVERALL LENGTH	67'	30'
OVERALL WIDTH	42'	14'
PERIMETER	277'	80'
SURFACE AREA	3,938 SQ FT	420 SQ FT
DEPTHS	3'-6", 5'-0", 11'-0"	1'-0", 1'-6"
VOLUME	24,600 CU FT	525 CU FT
TOTAL GALLONS	184,000 GAL	4,000 GAL
BATHING LOAD - 1/20 SQ FT	197	21
LIGHTING		
NUMBER OF LIGHTS	10	NONE
WATTAGE PER LIGHT	500 W	
WATTAGE PER SQ FT	1.3 W	
WATTAGE TOTAL	5,000 W	
FILTERS		
FILTER AREA	40.5 SQ FT	EXISTING
FILTER FLOW RATE	550 GPM	
TURNOVER	UNDER 6 HRS	
FILTER TYPE	HI-RATE SAND	
BACKWASH RATE	170 GPM	
BACKWASH VALVE	AUTOMATIC	
PUMP		
FILTER PUMP	550 GPM @ 85' OF HEAD 15 HP	EXISTING



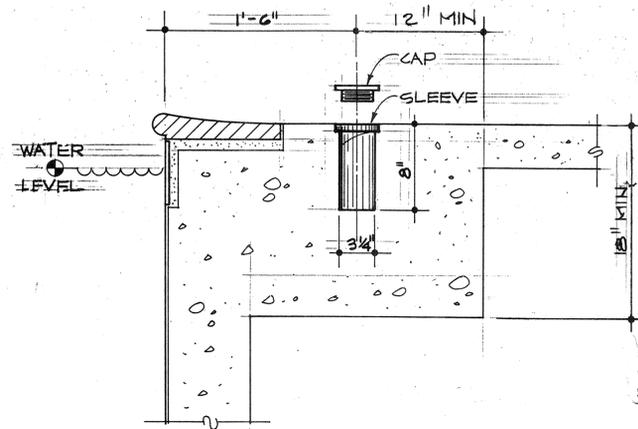
A SECTION
 SP/A-5 SCALE: 1/8" = 1'-0"

B SECTION
 SP/A-5 SCALE: 1/8" = 1'-0"



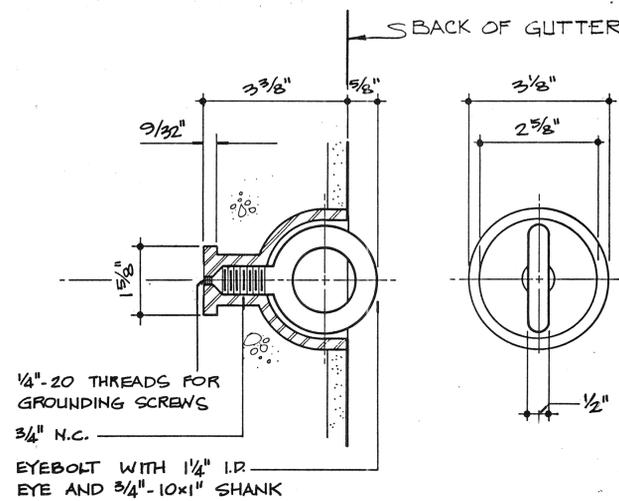
NOTE:
ANCHOR MUST BE BONDED
SEE DETAIL 4/E-2.

8 DETAIL @ DIVING TOWER ANCHOR
SCALE: 1/2" = 1'-0"



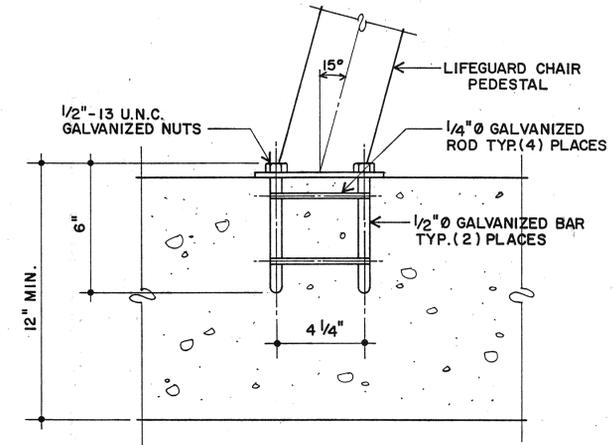
NOTE:
ANCHOR MUST BE BONDED
SEE DETAIL 4/E-2.

7 DETAIL @ HANDICAP LIFT SOCKET
SCALE: 1/2" = 1'-0"



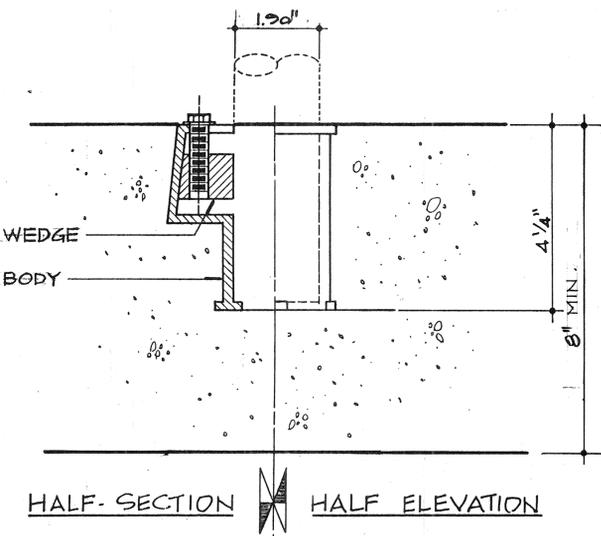
NOTE:
ANCHOR MUST BE BONDED
SEE DETAIL 4/E-2.

6 DETAIL @ CUP ANCHOR
SCALE: HALF SCALE



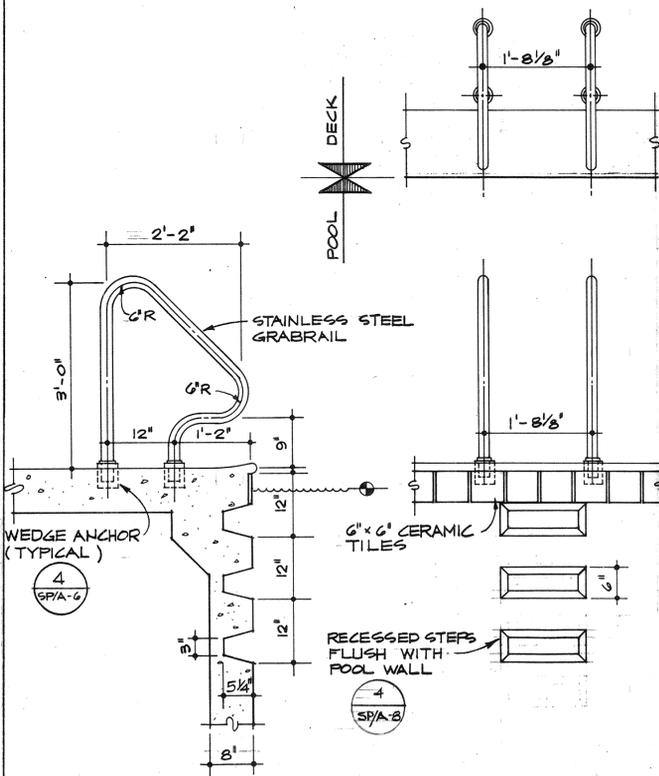
NOTE:
ANCHOR MUST BE BONDED
SEE DETAIL 4/E-2.

5 DETAIL @ LIFEGUARD CHAIR ANCHOR
SCALE: 1/2" = 1'-0"

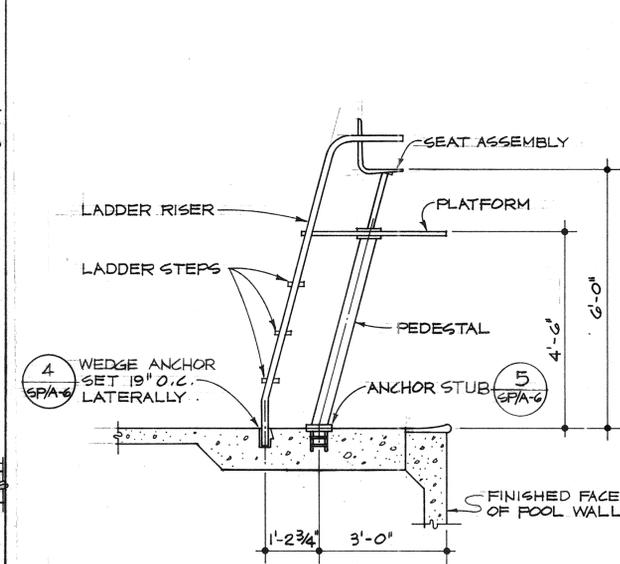


NOTE:
ANCHOR MUST BE BONDED
SEE DETAIL 4/E-2.

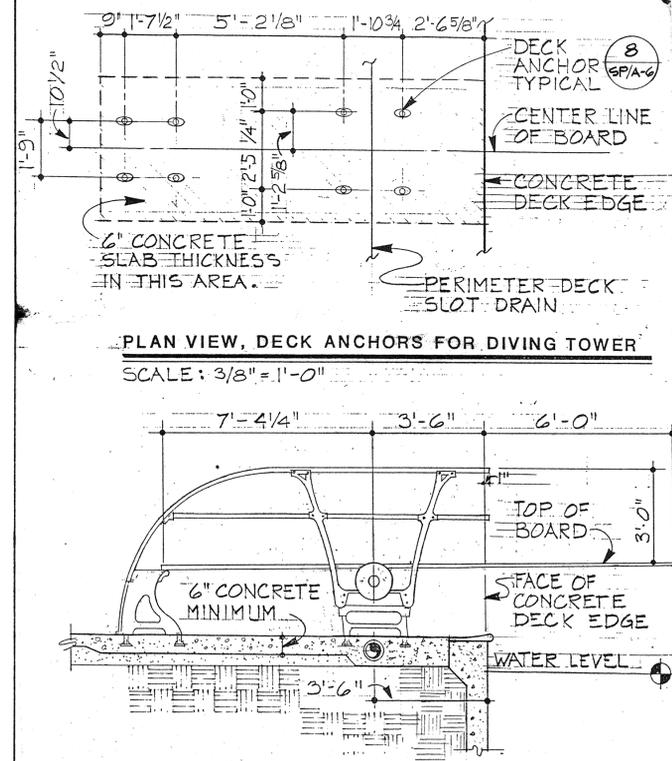
4 DETAIL @ WEDGE ANCHOR
SCALE: 1/2" = 1'-0"



3 DETAIL @ GRABRAIL & RECESSED STEPS
SCALE: 3/4" = 1'-0"



2 DETAIL @ LIFEGUARD CHAIR
SCALE: 1/2" = 1'-0"



1 DETAIL @ IM DIVING TOWER
SCALE: 3/8" = 1'-0"

REVISIONS	BY
A6-BUILT	RB

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(213) 377-6724

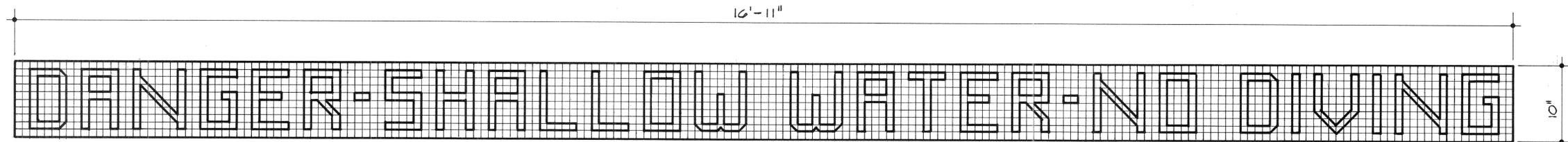
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SHEET 31 OF 65

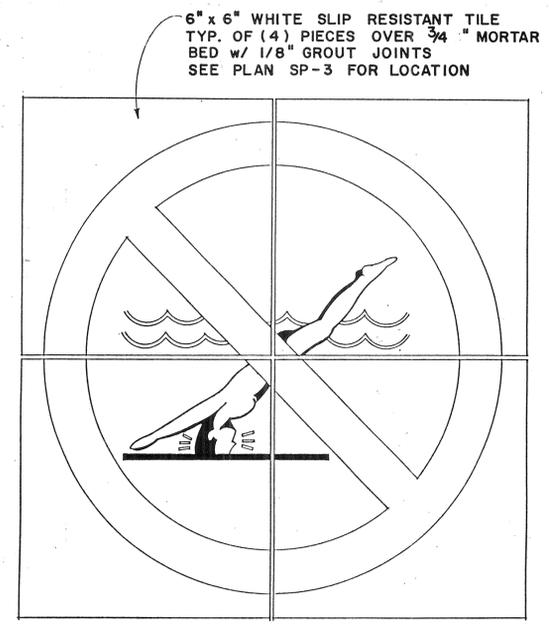
DRAWN	A.C. ROQUE
CHECKED	WNR
DATE	MAY 6, 1987
SCALE	AS SHOWN
JOB NO.	86.113
SHEET	
DETAILS	
SP/A-6	SHEETS

REVISIONS	BY
AS-BUILT	RB

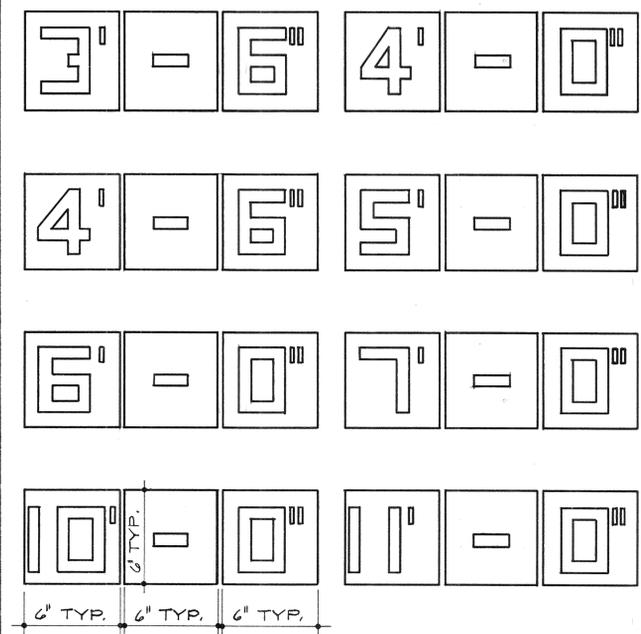


- NOTES:**
- ALL LETTERS AND DASHES ARE TO BE IN 1" BLACK TILES.
 - THE FIELD IS TO BE IN 1" WHITE TILE.
 - ALL GROUT IS TO BE WHITE.
 - CENTER SIGN BETWEEN DEPTH MARKERS.

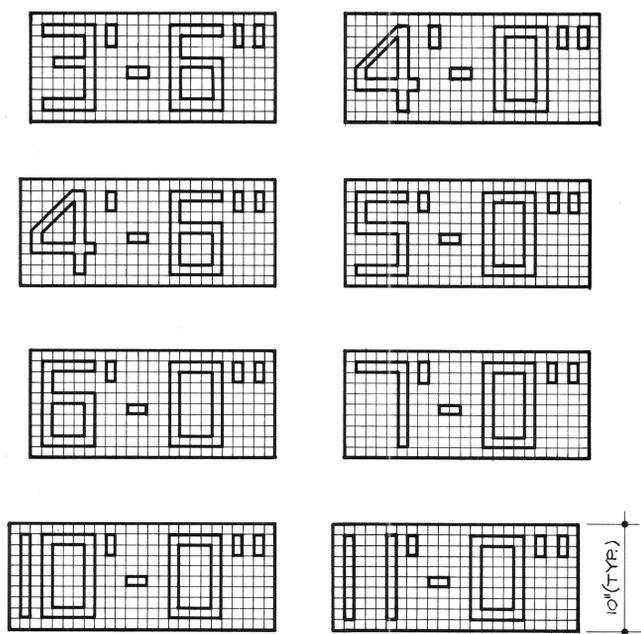
5 DETAIL @ NO DIVING SIGN
 SCALE: 1/2" = 1'-0"



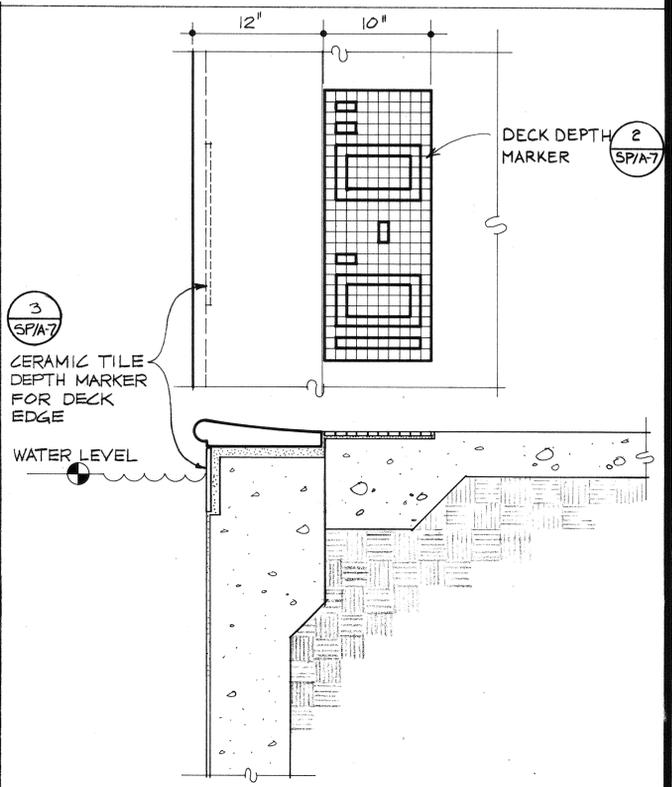
- SILK SCREEN**
- 1" WIDE x 11" DIA. RED CIRCLE
 - TAN COLOR BODY W/ BLACK OUTLINE, HAIR & TRUNKS
 - 1/8" BLUE WATER
 - 1/8" BLACK POOL FLOOR
 - 1/16" RED TICKS ABOUT THE HEAD



- NOTES:**
- ALL NUMBERS AND DASHES ARE TO BE IN BLACK
 - THE FIELD IS TO BE IN BLUE
 - ALL GROUT IS TO BE WHITE
 - ALL NUMBERS 4" HIGH W/ 3/4" THICKNESS
 - CONTRACTOR SHALL VERIFY DEPTHS IN FIELD BEFORE PLACEMENT OF DEPTH MARKERS AT LOCATIONS INDICATED.



- NOTES:**
- ALL NUMBERS AND DASHES ARE TO BE IN 1" BLACK TILES
 - THE FIELD IS TO BE IN 1" WHITE TILES
 - ALL GROUT IS TO BE WHITE
 - CONTRACTOR SHALL VERIFY DEPTHS IN FIELD BEFORE PLACEMENT OF DEPTH MARKER AT LOCATION INDICATED.



NOTE: DEPTH MARKERS AT WADING POOL SIMILAR WITH 1'-6" DEPTH INDICATED.

4 DETAIL @ NO DIVING GRAPHICS
 SCALE: HALF SIZE

3 DETAIL @ DECK EDGE DEPTH MARKER
 SCALE: 3" = 1'-0"

2 DETAIL @ DECK DEPTH MARKER
 SCALE: 1/2" = 1'-0"

1 DETAIL @ DEPTH MARKER
 SCALE: 1/2" = 1'-0"

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 Filtration Engineering
 Hydro Solar
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 Second Floor
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SHEET 32 OF 65

DRAWN	D. COLLOCA
CHECKED	WNR
DATE	MAY 6, 1987
SCALE	AS SHOWN
JOB NO.	86-113
SHEET	DETAILS
OF SP/A-7 SHEETS	

REVISIONS	BY
AS-BUILT	RB

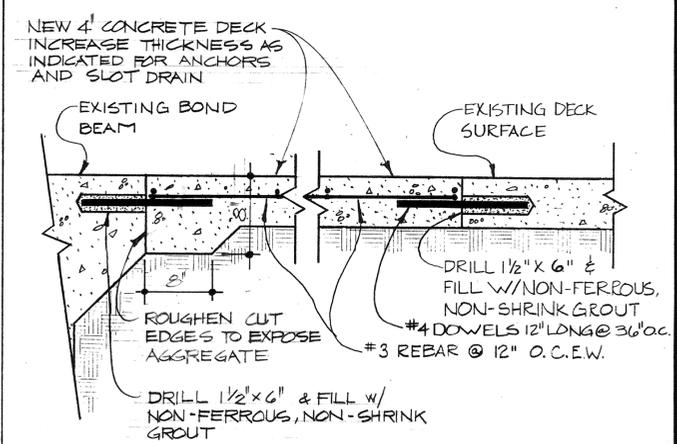
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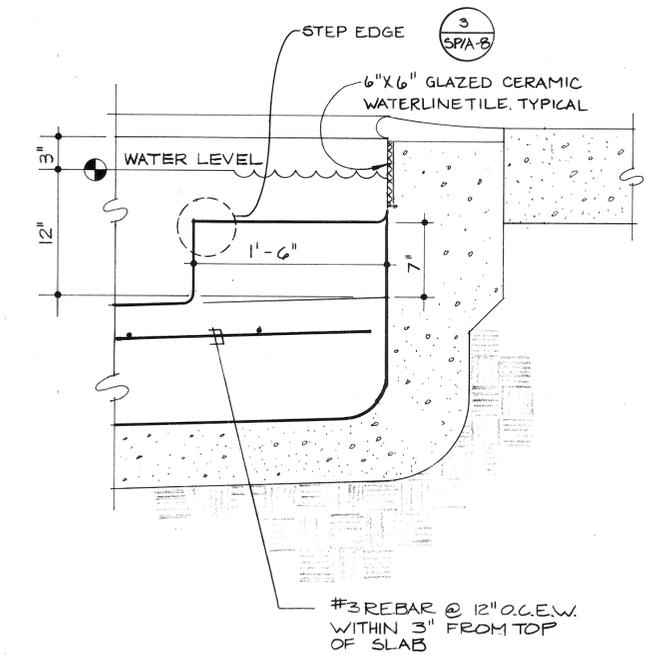
DRAWN A. C. ROQUE
CHECKED W N R
DATE MAY 6, 1987
SCALE AS SHOWN
JOB NO. 86.113
SHEET DETAILS
SP/A-8 OF SHEETS



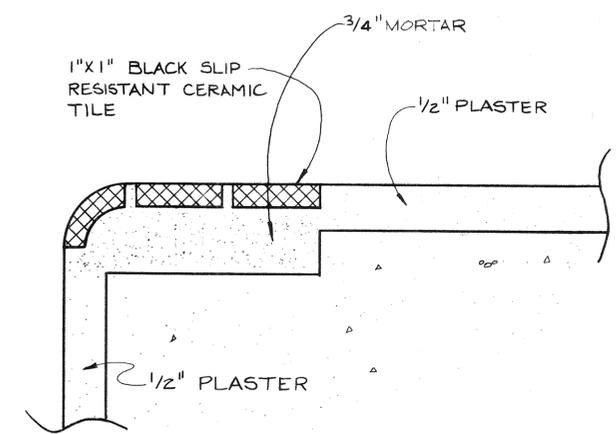
NOTE:
 REBAR MUST BE BONDED TO EXISTING REBAR. CHIP CONCRETE TO EXPOSE REBAR AS REQUIRED FOR BONDING CLAMP. SEE DETAIL 4/E-2.

PROVIDE TOOLED CONTROL JOINT IN NEW DECK AT 8'-0" O.C. TYPICAL. FINISH CONCRETE TO MATCH EXISTING DECK.

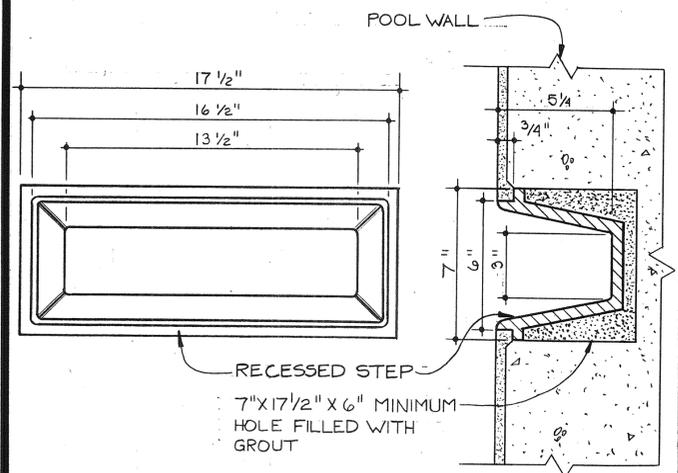
5 DETAIL @ DECK TRENCH
 SP/A-8 SCALE: 1/2" = 1'-0"



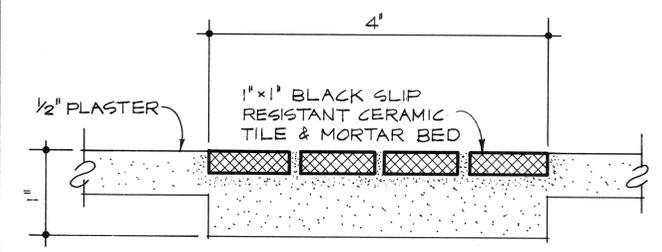
2 DETAIL @ WADING POOL FLOOR
 SP/A-8 SCALE: 1/2" = 1'-0"



3 DETAIL @ STEP EDGE
 SP/A-8 SCALE: FULL SIZE



4 DETAIL @ RECESSED STEP
 SP/A-8 SCALE: 3" = 1'-0"



NOTE:
 RUN TILE ACROSS POOL FLOOR AND UP WALLS TO BOTTOM OF WATER LINE TILE.

1 DETAIL @ 4'-6" TILE BAND
 SP/A-8 SCALE: FULL

REVISIONS	BY
A6-BUILT	RB

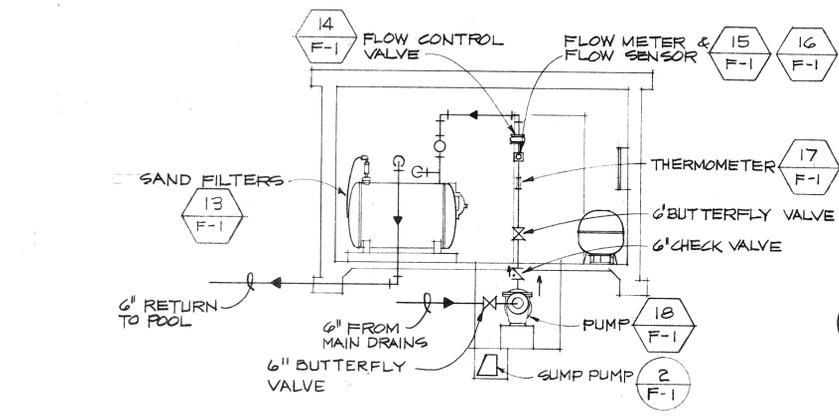
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 Prepared for
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 3900 Main Street, Riverside, CA 92552

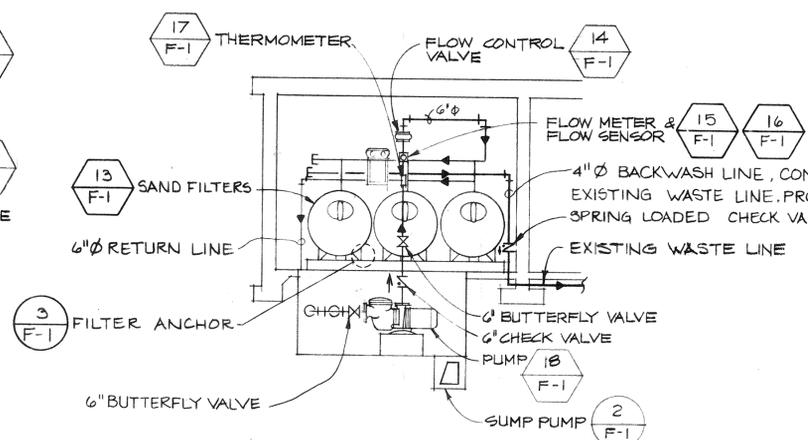
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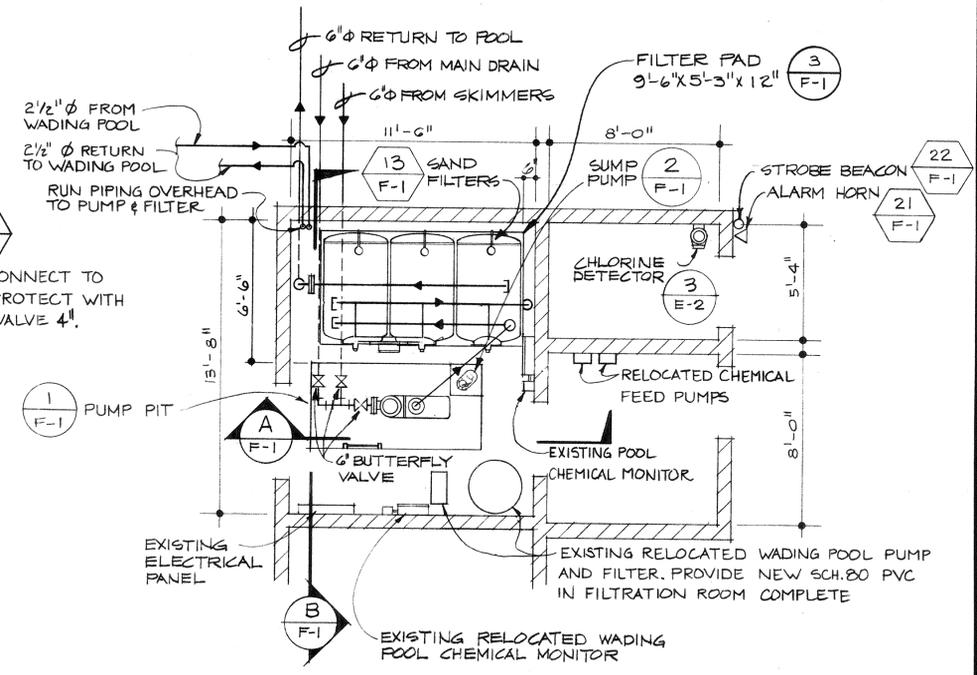
DRAWN	A.C. ROQUE
CHECKED	WNR
DATE	MAY 6, 1987
SCALE	AS SHOWN
JOB NO.	86.113
SHEET	FILTRATION/CHLORINE RM. PLAN & ELEVATIONS
OF F-1 SHEETS	



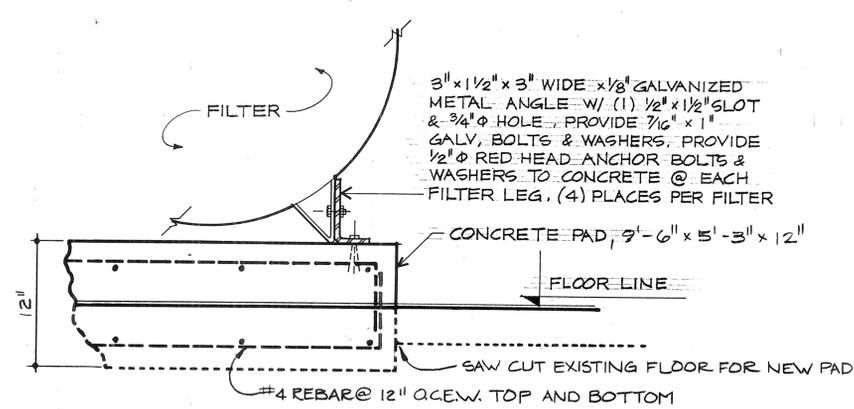
B ELEVATION
 SCALE: 1/4" = 1'-0"



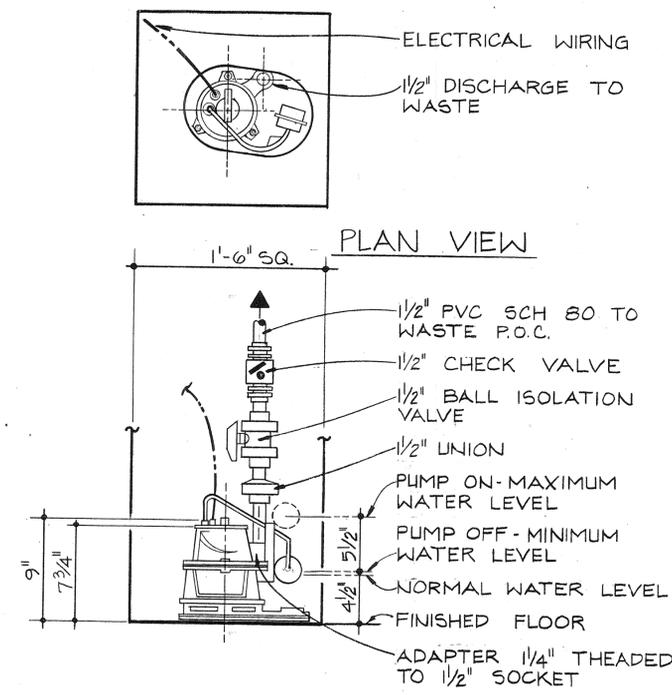
A ELEVATION
 SCALE: 1/4" = 1'-0"



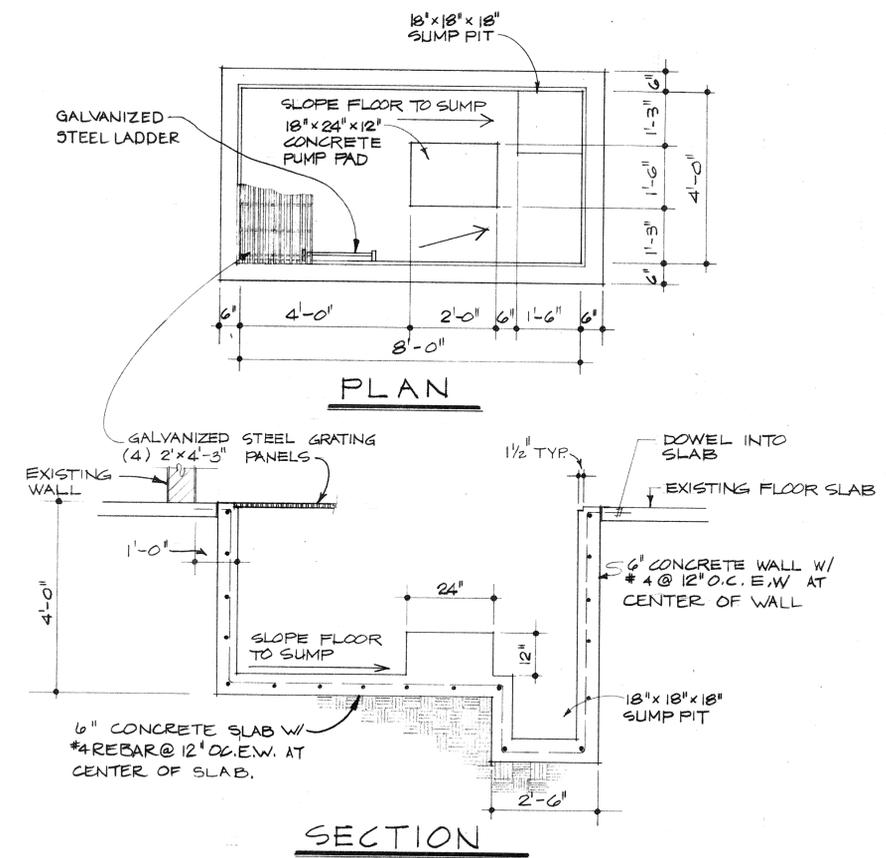
FILTRATION & CHLORINE ROOM PLAN
 SCALE: 1/4" = 1'-0"



3 DETAIL @ FILTER ANCHOR
 SCALE: NONE



2 DETAIL @ SUMP PUMP
 SCALE: 1/2" = 1'-0"



1 DETAIL @ PUMP PIT
 SCALE: 1/2" = 1'-0"

REVISIONS	BY
AS-BUILT	RB

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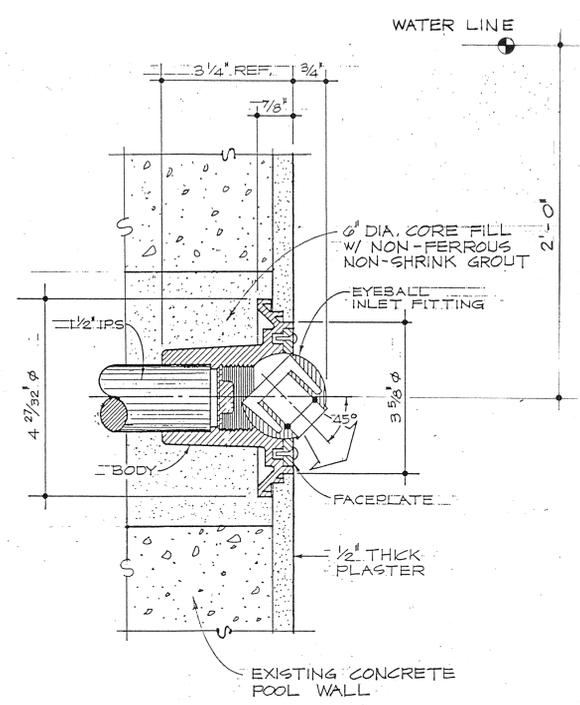
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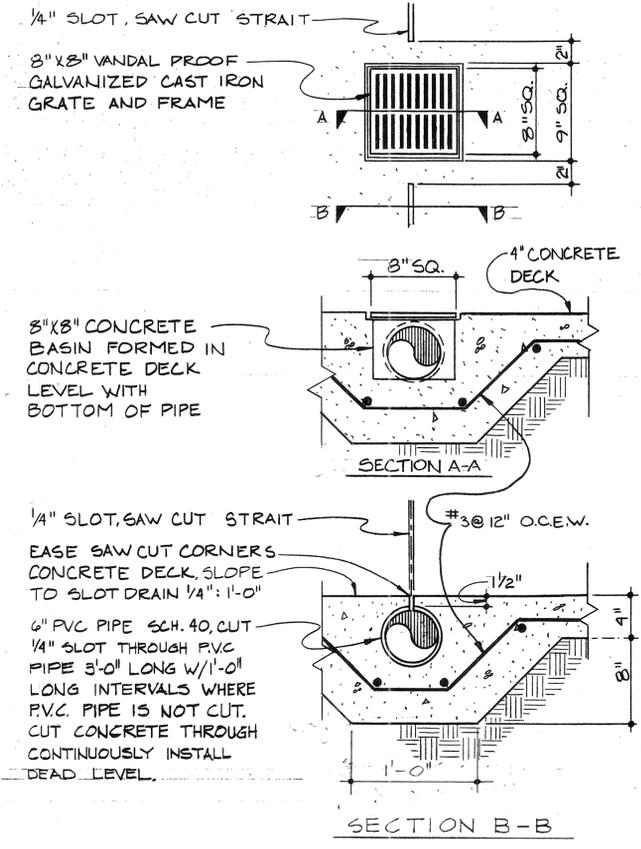
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SHEET 36 OF 65

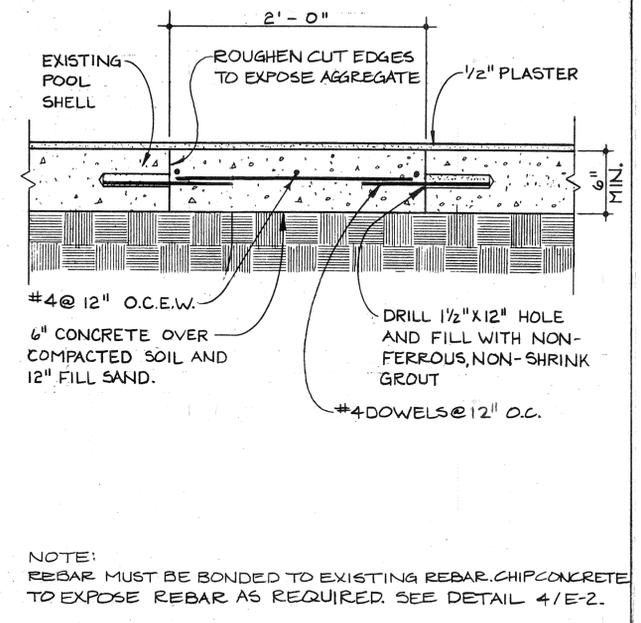
DRAWN	A. C. ROQUE
CHECKED	W. N. R.
DATE	MAY 6, 1987
SCALE	AS SHOWN
JOB NO.	86.113
SHEET	
DETAILS	
OF	P-2 SHEETS



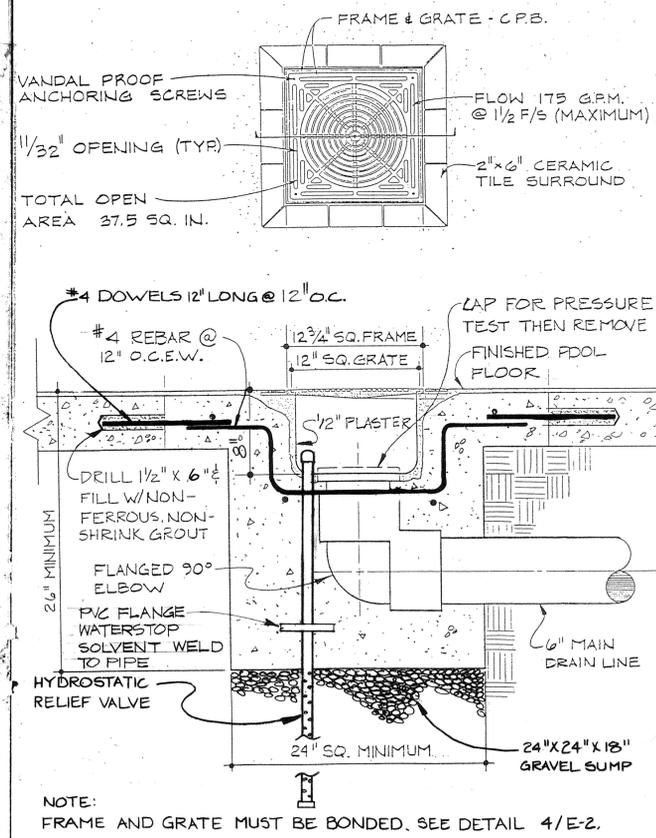
5 DETAIL @ INLET FITTING
 P-2 SCALE: HALF SCALE



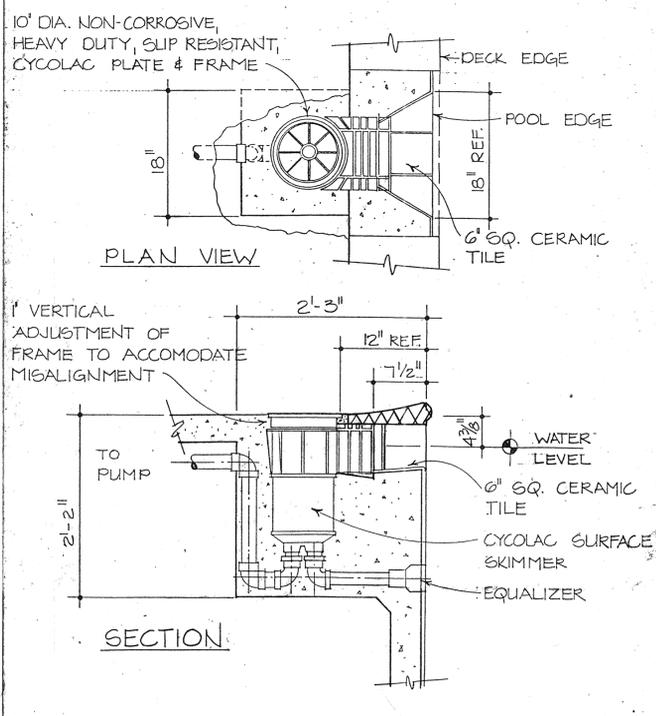
6 DETAIL @ DECK SLOT DRAIN
 P-2 SCALE: 1/2" = 1'-0"



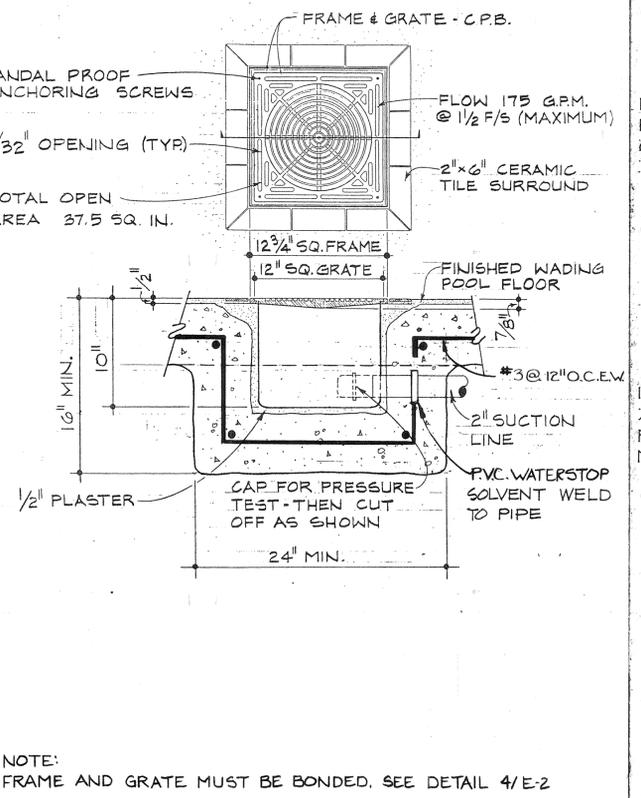
7 DETAIL @ MAIN DRAIN TRENCH
 P-2 SCALE: 1/2" = 1'-0"



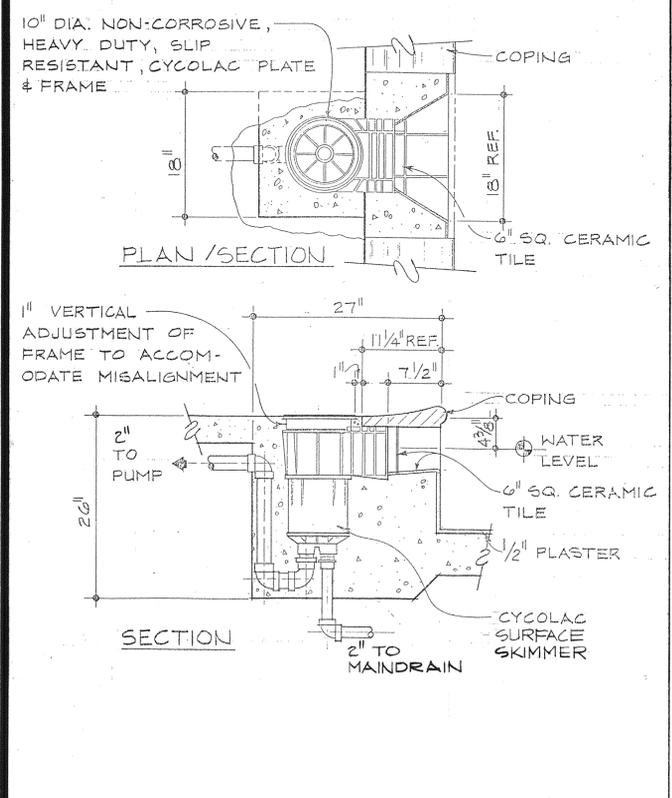
1 DETAIL @ POOL MAIN DRAIN
 P-2 SCALE: 1/2" = 1'-0"



2 DETAIL @ POOL SKIMMER
 P-2 SCALE: NONE

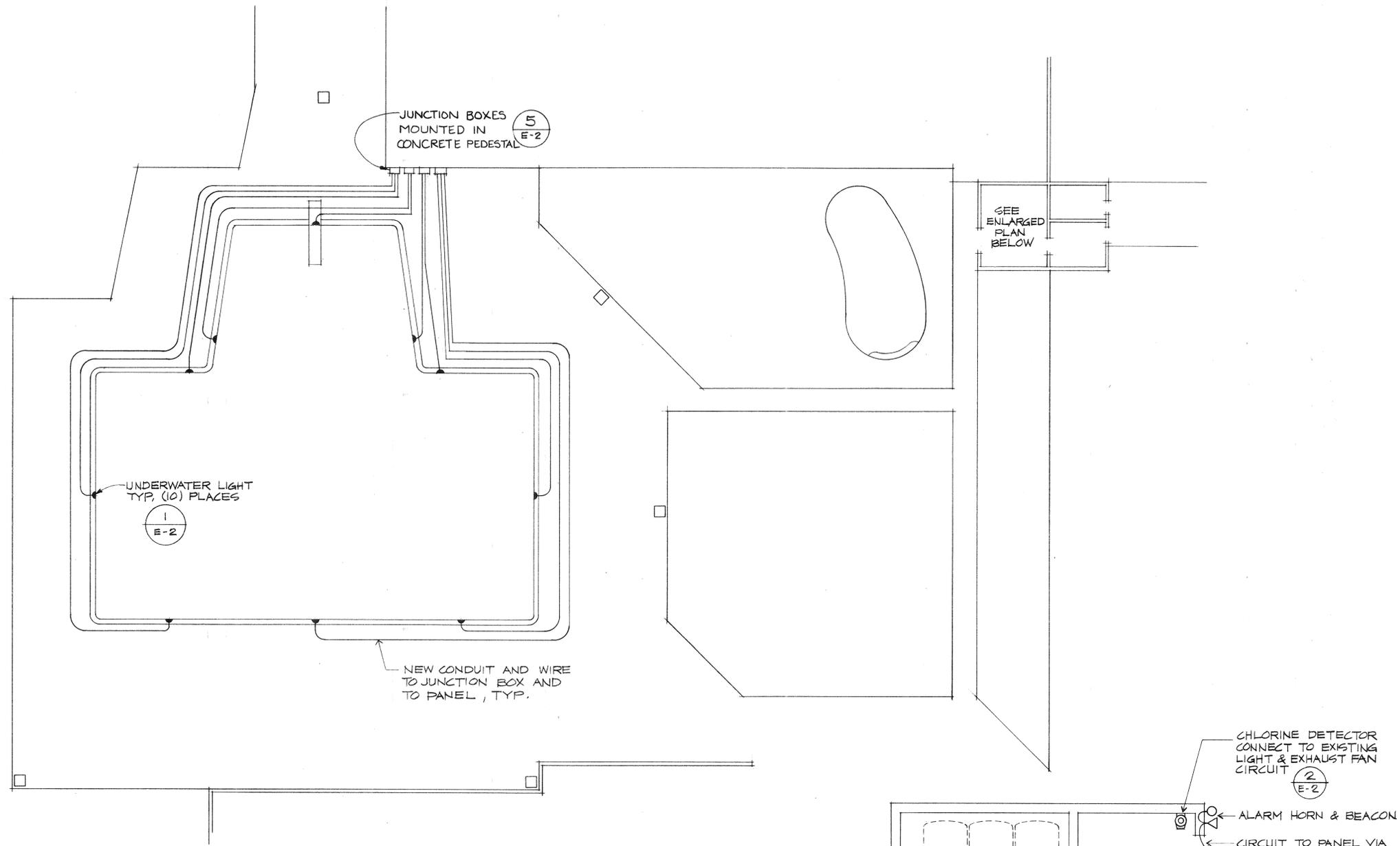


3 DETAIL @ WADING POOL MAIN DRAIN
 P-2 SCALE: 1/2" = 1'-0"

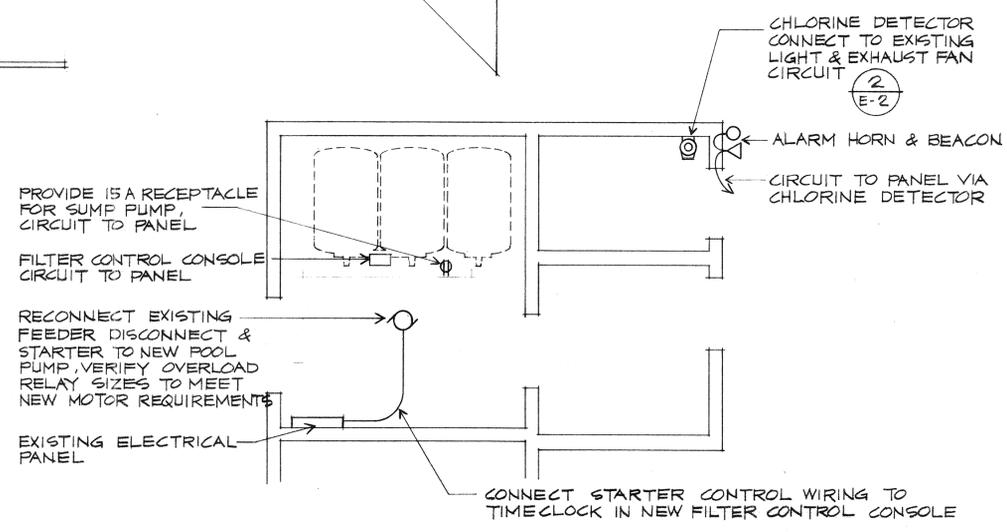


4 DETAIL @ WADING POOL SKIMMER
 P-2 SCALE: 1/2" = 1'-0"

8 DETAIL



POOL ELECTRICAL PLAN
SCALE: 1" = 10'-0"



FILTRATION & CHLORINE ROOM ELECTRICAL PLAN
SCALE: 1/4" = 1'-0"

REVISIONS	BY
AS-BUILT	RB

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SHEET 37 OF 65

DRAWN	A. C. ROQUE
CHECKED	WNR
DATE	MAY 6, 1987
SCALE	AS SHOWN
JOB NO.	86.113
SHEET	
POOL & DECK ELECTRICAL PLAN	
OF	E-1 SHEETS

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AS-BUILT	RB

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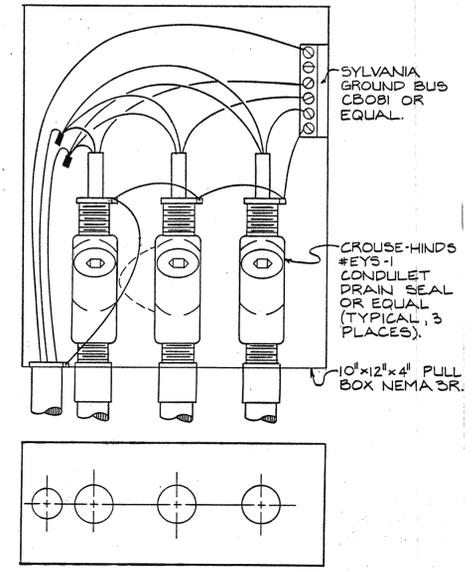
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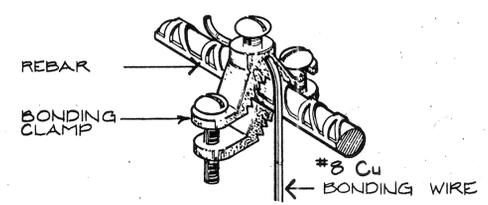
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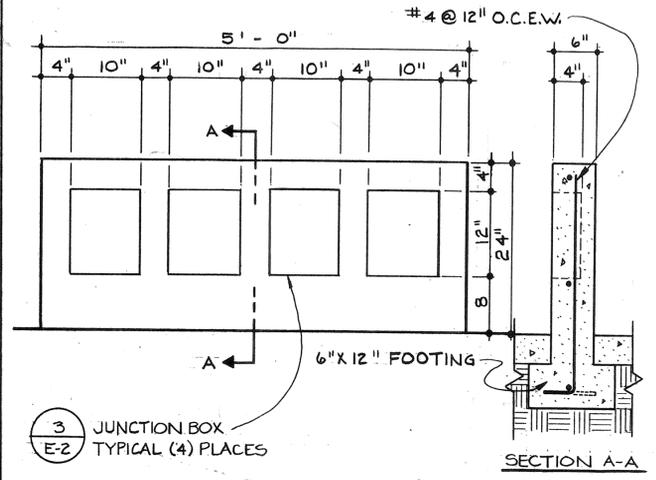
DRAWN	A. C. ROQUE
CHECKED	WNR
DATE	MAY 6, 1987
SCALE	AS SHOWN
JOB NO.	86.113
SHEET	DETAILS
OF	E-2 SHEETS



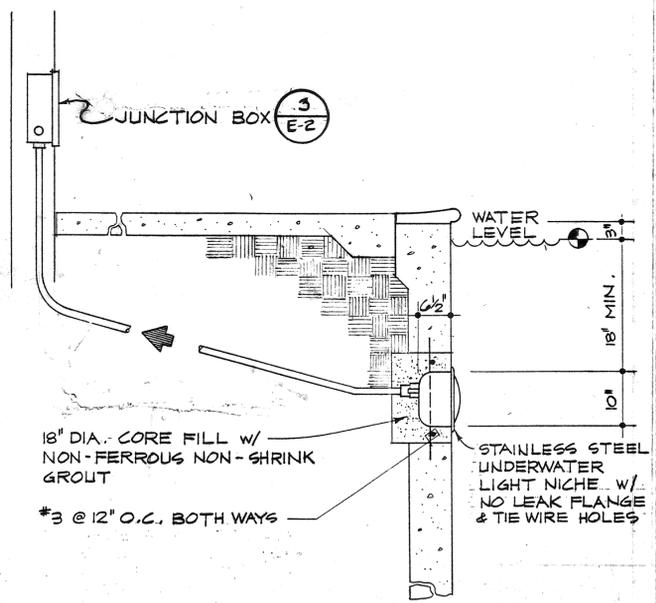
3 DETAIL @ JUNCTION BOX
 E-2 SCALE: NONE



4 DETAIL @ REBAR ANCHOR BONDING CLAMP
 E-2 SCALE: NONE



5 DETAIL @ JUNCTION BOX PEDESTAL
 E-2 SCALE: 1" = 1'-0"



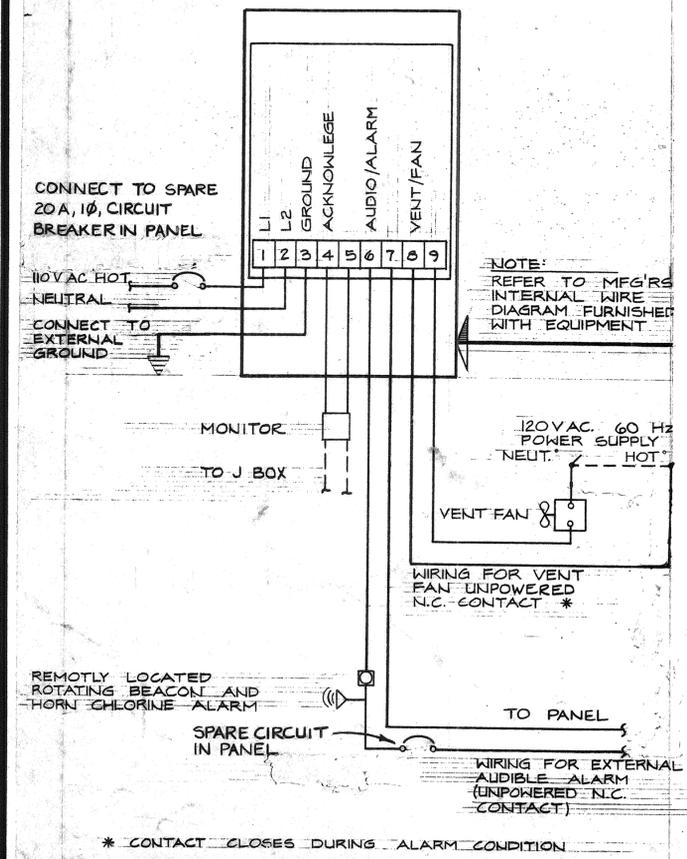
1 DETAIL @ UNDERWATER LIGHT
 E-2 SCALE: 3/4" = 1'-0"

SEQUENCE OF OPERATIONS
CHLORINE ALARM CONDITION

1. EXHAUST FAN, LIGHT, HORN AND BEACON LIGHT ARE INTERLOCKED IN "ON" POSITION TURN "OFF" WITH KEY SWITCH.
2. EXHAUST FAN INTERLOCKED WITH LIGHTS IN CHLORINE ROOM ANYTIME LIGHTS COME ON.
3. 110 V CIRCUIT FOR ACCESSORY ITEMS (HORN, BEACON, LIGHT(S) TERMINALS 6 & 9 ACT AS SWITCHES ONLY.

NOTE:

1. CHLORINE DETECTOR WALL MOUNTED AT 5'-0" ABOVE FINISH FLOOR EXTEND 1" SK 80 P.V.C. PIPE TO A POINT 2" ABOVE THE FINISH FLOOR. SUPPORT BOTTOM OF 1" PIPE WITH BRACKET TO WALL PIPE NOT SHOWN FOR CLARITY.
2. MONITOR IS NORMALLY OPEN PUSH BUTTON WITH INDICATOR LIGHT.



2 DETAIL @ CHLORINE DETECTOR
 E-2 SCALE: NONE

- NOTES:**
1. RUN 1" Ø RED BRASS OR COPPER CONDUIT 5'-0" FROM LIGHT TO 1" Ø SCHEDULE 40 PVC CONDUIT TO "J" BOX AT DECK THEN TO G.F.I. PANEL.
 2. GROUND NICHE TO "J" BOX W/ #8 INSULATED COPPER WIRE PER N.E.C. SEC. 800.
 3. BOND PER N.E.C. SEC. 800 W/ #8 CONTINUOUS SOLID COPPER WIRE.
 4. LIGHT CORD LENGTH 100' UNLESS OTHERWISE NOTED.
 5. MAXIMUM NUMBER OF 90° BENDS ALLOWED IN CONDUIT IS 3.
 6. CORD WRAP TO FACILITATE BULB CHANGE OUT ON DECK. CORD MUST BE LONG ENOUGH SO LIGHT CAN BE PLACED ON DECK 2' FROM EDGE.
 7. U.L. APPROVED WET NICHE UNDERWATER LIGHT W/ DRAINAGE HOLES IN FACE OF RING OF LIGHT. INSTALLED IN ACCORDANCE W/ N.E.C. ART. 800-20.

DETAIL