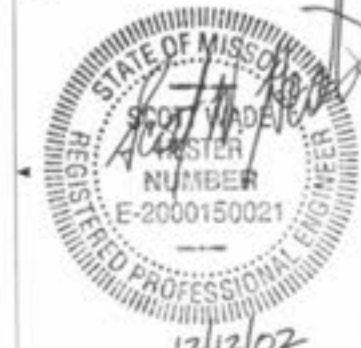




Revision: 12/9/02
 Date: 12/9/02
 Description: ISSUED FOR BID



12/12/02

RENAUD SPIRIT CENTER
 For the City of O'Fallon - Missouri



Scale: AS NOTED

Jacobs Project No: F0940600
 Drawing Title: POOL SITE PLAN

Date: DECEMBER 9, 2002
 Designed By: HES
 Drawn By: MEN/WU
 Checked By: SHK
 Drawing No: **SPO.0**

DESIGN DATA	
LENGTH	348'0"
WIDTH	440'0"
POOL WATER SURFACE AREA (SQ. FT.)	15,300
FLOOR AREA	429,000
VOLUME	121,700
BATHER LOAD	347
CIRCULATION SYSTEM & FILTERS	
FILTER TYPE	HIGH RATE SAND
POOL TURNOVER	1 HR
REGULATION RATE	185 GPM
FILTRATOR RATE (DESIGN MAX)	13.0 GPM/SQ. FT.
FILTER AREA (REQUIRED)	161.30 SQ. FT.
FILTER AREA (ACTUAL)	81.6 SQ. FT.
FILTRATOR RATE (ACTUAL)	12.4 GPM/SQ. FT.
BACKWASH RATE (ACTUAL)	12.0 GPM/SQ. FT.
BACKWASH FLOW RATE (ACTUAL)	306 GPM
MAKE UP RATE	8 GAL. / BATHER / DAY

SLIDE SCHEDULE	
SLIDE LENGTH	100'-0"
SLIDE TRIMMER HEIGHT	22'-0"
PROPOSED SLOPE	12.0%

POOL ALTERNATES	
ALTERNATE #1	NO ALTERNATE IS TO HAVE A 1'-0" SLIP RESISTANT CERAMIC TILE HORIZONTAL BAND AROUND ENTIRE PERIMETER OF POOL IN LIEU OF THE FINISHED CONCRETE CURBING. ALL INTERNAL CORNER AREAS, UNDER WALL, AND LEMON DROP SHALL TO BE ALL TILE.
ALTERNATE #2	NO ALTERNATE IS TO USE THE ENVIRONMENTAL CONTROL SYSTEM (ECS) AS THE CHEMICAL TREATMENT AND MONITORING SYSTEM.

SHEET INDEX	
SPO.0	SIT. PLAN
SPO.1	LEISURE POOL PLAN & SECTIONS
SPO.2	LEISURE POOL SECTIONS
SPO.3	LEISURE POOL DETAILS
SPO.4	LEISURE POOL DETAILS
SPO.5	LEISURE POOL ALTERNATE #1 DETAILS
SPO.6	LEISURE POOL ALTERNATE #2 DETAILS
SPO.7	LEISURE POOL PRESSURE PIPING
SPO.8	FILTER ROOM PLAN & SECTIONS
SPO.9	METHEANICAL DETAILS
SPO.10	METHEANICAL DETAILS
SPO.11	CHEMICAL SCHEDULE
SPO.12	POOL ELECTRICAL SITE PLAN
SPO.13	FILTER ROOM ELECTRICAL PLAN
SPO.14	POOL ELECTRICAL DETAIL SHEET

