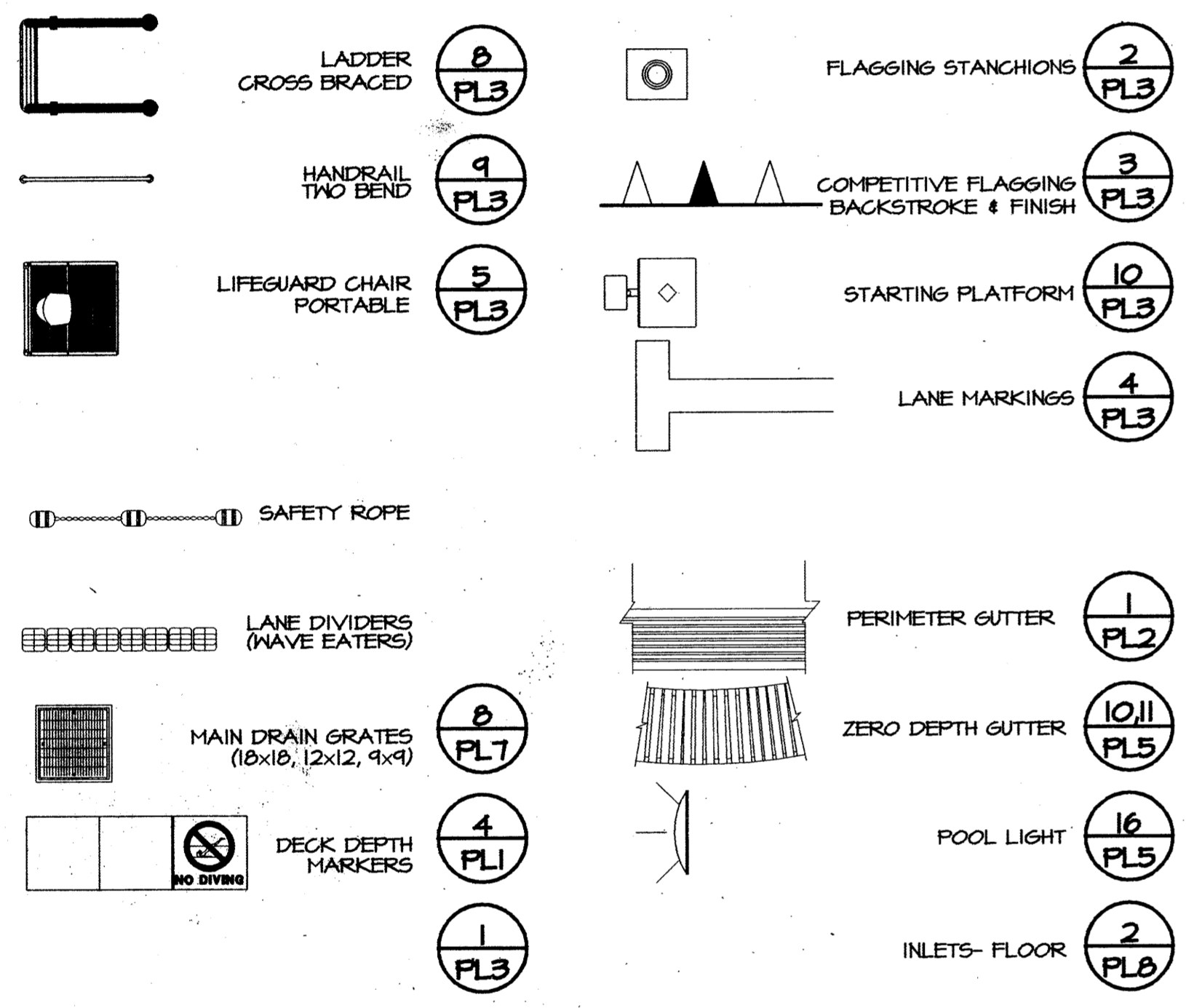


HOFFMAN ESTATES PARK DISTRICT
POPLAR CREEK AQUATIC CENTER
POOL DATA

| | |
|--|---------------------------------|
| PERIMETER: | |
| ZERO DEPTH 0'-2' AREA | 396 LINEAR FEET |
| ZERO DEPTH 2'-4' AREA | 325 LINEAR FEET |
| PLUNGE POOL | 125 LINEAR FEET |
| LAP POOL | 239 LINEAR FEET |
| SURFACE AREA: | |
| ZERO DEPTH 0'-2' AREA | 5,582 SQ. FT. |
| ZERO DEPTH 2'-4' AREA | 4,390 SQ. FT. |
| PLUNGE POOL | 951 SQ. FT. |
| LAP POOL | 3,744 SQ. FT. |
| TOTAL | 14,670 SQ. FT. |
| GALLONS (INCLUDING SURGE): | |
| ZERO DEPTH 0'-2' AREA | 43,624 GALLONS |
| ZERO DEPTH 2'-4' AREA | 99,272 GALLONS |
| PLUNGE POOL | 25,535 GALLONS |
| LAP POOL | 217,449 GALLONS |
| TOTAL | 385,880 GALLONS |
| TURNOVER RATE: | |
| ZERO DEPTH 0'-2' AREA | 90 MINUTES |
| ZERO DEPTH 2'-4' AREA | 90 MINUTES |
| PLUNGE POOL | 60 MINUTES |
| LAP POOL | 240 MINUTES |
| FILTRATION FLOWRATE: | |
| ZERO DEPTH 0'-2' AREA | 485.0 G.P.M. |
| ZERO DEPTH 2'-4' AREA | 1,103.0 G.P.M. |
| PLUNGE POOL | 426.0 G.P.M. |
| LAP POOL | 306.0 G.P.M. |
| TOTAL | 2,920.0 G.P.M. |
| FILTER AREA: | |
| REQUIRED: | 194.7 S.F. |
| PROVIDED: | 254.4 S.F. |
| FLOW RATE: | 11.5 G.P.M./S.F. FILTER SURFACE |
| SURGE CAPACITY IN SURGE TANK: | |
| POOL SURFACE = 14,670 S.F. X 6 GAL/S.F. = 8802 GALLONS | 8,802 GALLONS |
| REQUIRED BY ILLINOIS DEPT. OF PUBLIC HEALTH | 13,680 GALLONS |
| TOTAL PROVIDED: | 13,680 GALLONS |

1 POOL DATA LIST
NO SCALE



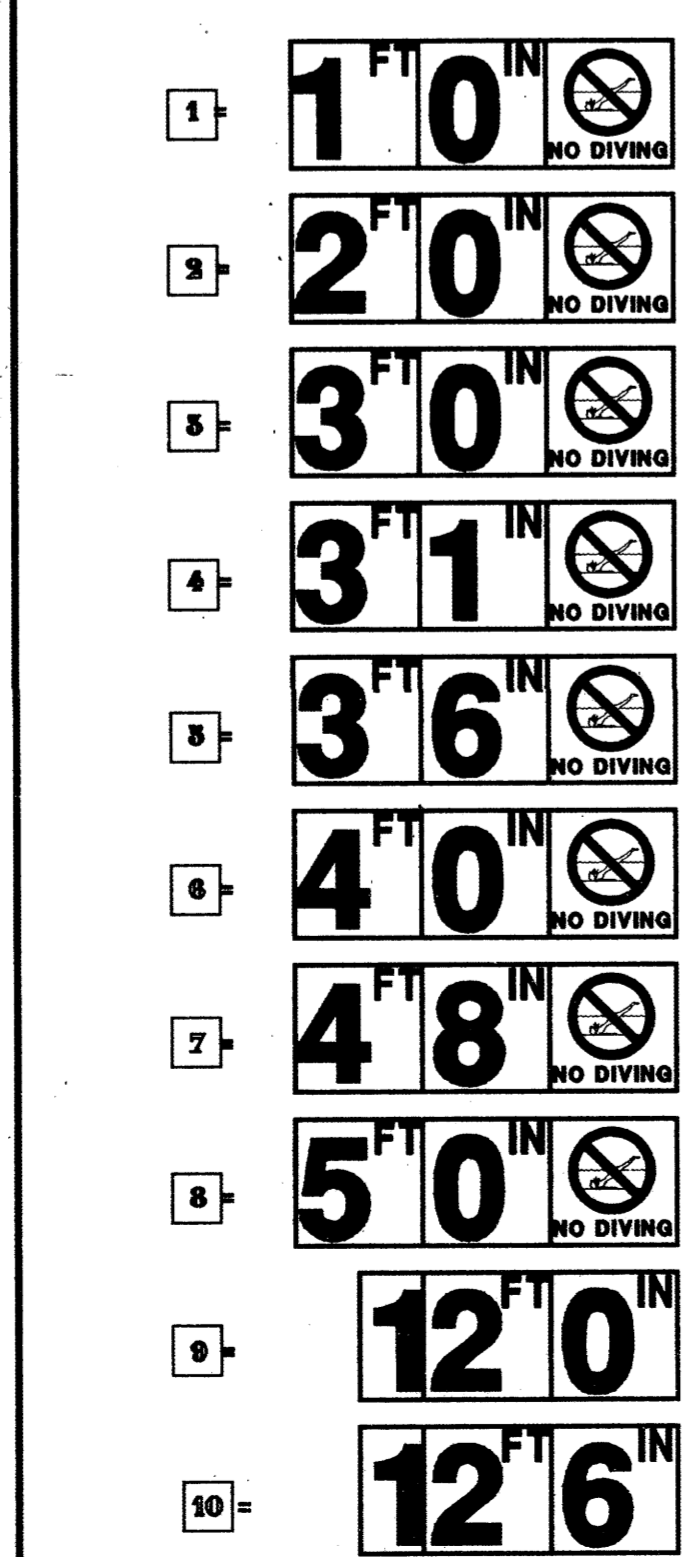
2 SYMBOL KEY
NO SCALE

- WATERSLIDES SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH ILLINOIS ADMINISTRATIVE CODE (77 ILLINOIS ADMINISTRATIVE CODE C.1 S.820.250, S.C.G.), A PORTION OF WHICH IS AS FOLLOWS:
- POSITION.** A FLUME SHALL BE PERPENDICULAR TO THE PLUNGE POOL WALL FOR A DISTANCE OF AT LEAST 10 FEET FROM THE EXIT END OF THE FLUME. THE LAST 10 FEET OF THE FLUME SHALL HAVE A SLOPE WHICH IS NOT STEEPER THAN 1 IN 10.
 - CLEARANCE.** THE DISTANCE BETWEEN THE SIDE OF A FLUME TERMINUS AND A PLUNGE POOL SIDE WALL SHALL BE AT LEAST FIVE FEET UNLESS THE FLUME TERMINUS IS DESIGNED TO MOVE SLIDERS AWAY FROM THE WALL AND THE DISTANCE BETWEEN SIDES OF ADJACENT FLUME TERMINUSES SHALL BE AT LEAST EIGHT FEET. THE DISTANCE BETWEEN SIDES OF ADJACENT FLUME TERMINUSES SHALL BE AT LEAST FIVE FEET. THE DISTANCE BETWEEN A FLUME TERMINUS AND THE OPPOSITE SIDE OF THE PLUNGE POOL SHALL BE AT LEAST 25 FEET. STEPS SHALL NOT INFRINGE ON THIS AREA.
 - ELEVATION.** A FLUME SHALL TERMINATE BETWEEN A DEPTH OF SIX INCHES BELOW THE PLUNGE POOL OPERATING WATER SURFACE LEVEL AND TWO INCHES ABOVE THE WATER SURFACE LEVEL UNLESS THE SLIDE IS PROVIDED WITH AN EXIT FLUME DESIGNED BY THE MANUFACTURER FOR SAFE EXIT AT LESSER DEPTHS.
 - ALL CURVES, TURNS, AND TUNNELS ON THE PATH OF A FLUME SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
 - THE CONSTRUCTION, DIMENSIONS AND THE MECHANICAL ATTACHMENT OF THE FLUME COMPONENTS SHALL BE SUCH THAT THE SURFACE OF THE FLUME IS SMOOTH AND CONTINUOUS FOR ITS ENTIRE LENGTH.
 - FLUMES AND POOLS SHALL BE WATERTIGHT AND THEIR SURFACES SHALL BE CHEMICALLY INERT, NONTOXIC, SMOOTH, AND EASY TO CLEAN.
 - EACH FLUME SHALL HAVE A DISTINCTIVE LINE OR MARKING TO INDICATE THE STARTING ZONE IN WHICH ONLY ONE RIDER AT A TIME IS PERMITTED. THIS LINE SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS OR 30', WHICHEVER IS THE LONGER DISTANCE. A SIGN SHALL BE POSTED AT THE TOP OF THE SLIDE WARNING ALL SLIDERS NOT TO PROCEED DOWN THE SLIDE UNTIL THE SLIDER IN FRONT OF HIM HAS PASSED THIS LINE.
 - THE 1316S CONTRACTOR IS RESPONSIBLE FOR SUBMITTING STAMPED, SEALED PLANS BY AN ENGINEER LICENSED IN THE STATE OF ILLINOIS TO THE ILLINOIS DEPARTMENT OF PUBLIC HEALTH FOR APPROVAL.

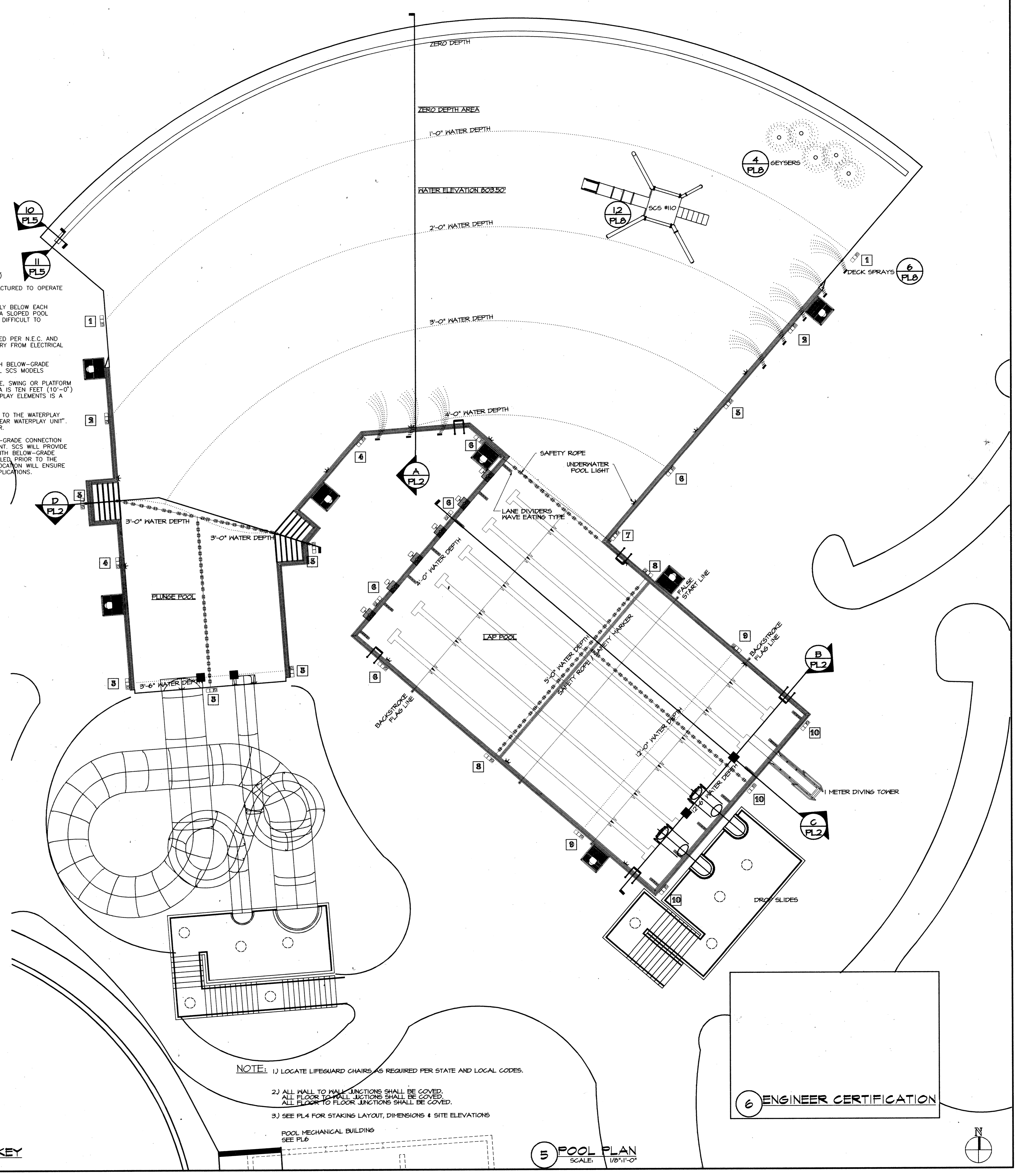
3 FLUME RIDE NOTES
NO SCALE

SCS INTERACTIVE WATERPLAY CONSTRUCTION CHECKLIST
(THIS IS NOT ALL ENCOMPASSING)

- POOL DEPTH**
ALL SCS WATERPLAY SYSTEMS ARE MANUFACTURED TO OPERATE IN A WATER DEPTH OF 18".
- POOL FLOOR**
THE SURFACE OF THE POOL FLOOR DIRECTLY BELOW EACH STANDPIPE MUST BE AT THE SAME LEVEL. A SLOPED POOL FLOOR IN THESE AREAS WILL MAKE IT VERY DIFFICULT TO INSTALL THE STRUCTURE.
- GROUNDING**
ALL SCS PLAY SYSTEMS MUST BE GROUNDED PER N.E.C. AND LOCAL CODES TO PREVENT POTENTIAL INJURY FROM ELECTRICAL DISCHARGE.
- FOOTINGS**
SEVERAL CONCRETE SQUARE FOOTINGS WITH BELOW-GRADE PIPE CONNECTIONS ARE REQUIRED FOR ALL SCS MODELS.
- CLEARANCE**
THE REQUIRED CLEARANCE FROM ANY SLIDE, SWING OR PLATFORM TO THE EDGE OF THE POOL OR PLAY AREA IS TEN FEET (10'-0") MINIMUM. CLEARANCE AROUND ALL OTHER PLAY ELEMENTS IS A MINIMUM OF EIGHT FEET (8'-0").
- SIGNAGE**
PROVIDE ONE SIGN NEAR POINT OF ENTRY TO THE WATERPLAY AREA THAT READS "NO RUNNING ON OR NEAR WATERPLAY UNIT". COORDINATE TYPE OF SIGNAGE WITH OWNER.
- BELOW-GRADE TEE CONNECTIONS**
THE CORRECT POSITIONING OF THE BELOW-GRADE CONNECTION TEES REQUIRED FOR THE UNIT IS IMPORTANT. SCS WILL PROVIDE A TEMPLATE, WHERE APPLICABLE, ALONG WITH BELOW-GRADE CONNECTION TEES, WHICH MUST BE INSTALLED PRIOR TO THE POURING OF THE POOL FLOOR. PROPER LOCATION WILL ENSURE EASE OF INSTALLATION WITH MINIMUM COMPLICATIONS.



4 DEPTH MARKER KEY



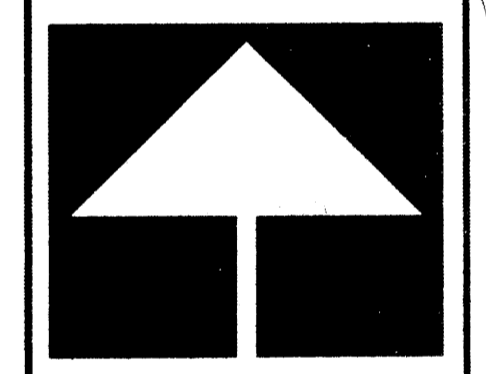
NOTE: 1) LOCATE LIFEGUARD CHAIRS AS REQUIRED PER STATE AND LOCAL CODES.

- ALL WALL TO WALL JUNCTIONS SHALL BE COVERED. ALL FLOOR TO WALL JUNCTIONS SHALL BE COVERED.
- SEE PL4 FOR STAKING LAYOUT, DIMENSIONS & SITE ELEVATIONS
- SEE PL6 FOR STAKING LAYOUT, DIMENSIONS & SITE ELEVATIONS

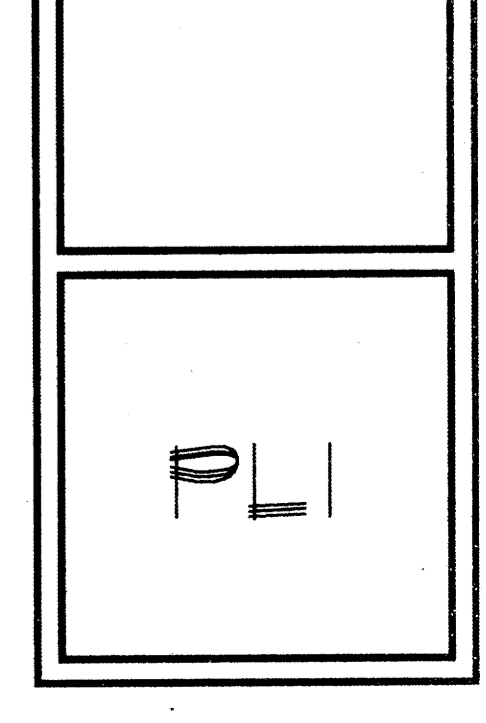
5 POOL PLAN
SCALE: 1/8"=1'-0"

6 ENGINEER CERTIFICATION

| | |
|---------|--------------|
| was no | 94-002 |
| date | 14 JUNE 1994 |
| drawn | C.C.D. |
| checked | C.T.P. |
| revised | |



POOL PLAN,
NOTES & DETAILS



| | | | |
|----------|------|----|-------------|
| REVISION | DATE | BY | DESCRIPTION |
| | | | |
| | | | |
| | | | |