### PROPOSED INSTALLATION:

- **Pump:** Recirculation  Spa Jet  Other: ______________________
- **Filter:** ______________________
- **Chemical controller:** ______________________
- **Drain cover(s):** ______________________
- **SVRS:** ______________________
- **Enclosure:** Fence  Gate  ______________________
- **Decking:** ______________________
- **Decking depth markers and no diving markers:** ______________________

### SITE & EQUIPMENT INFORMATION:

Are the existing main drain(s) split at least three (3) feet apart, hydraulically balanced, and symmetrically plumbed or unblockable?

- Recirculation Pump Drain:  Yes  No  Unblockable  Spa Jet Pump Drain:  Yes  No  Unblockable

<table>
<thead>
<tr>
<th># of Covers</th>
<th>Sump Depth</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Inches</td>
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</tbody>
</table>

- **Proposed Main Drain COVER(s) (Make / Model):** ______________________
- **Proposed Spa Jet Main Drain COVER(s):** N/A ______________________
- **Proposed Skimmer Equalizer COVER(s):** N/A ______________________
- **Pipe Sizes:**
  - **Main Drain:** 1½"  2"  2½"  3"  Skimmer(s):  1½"  2"  2½"  3"  Return:  1½"  2"  2½"  3"
  - **Existing Pump(s) (Make / Model / HP):** ______________________
  - **Pipe Size:** Spa Jet Pump:  1½"  2"  2½"  3"  ______________________

- **Proposed PUMP(s) (Make / Model / HP):** ______________________ (if variable speed, type: VS VSF VS+SVRS)**

** Minimum required flow rate setting: ___________ GPM  (if unknown, contact this office for the required flow rates)**

** Maximum flow rate setting: ___________ GPM  (do not exceed maximum drain cover flow rating or pipe GPM capacities)**

** PUMP FLOW DATA SHEET  (this form is required to be submitted after each variable speed pump installation and before final inspection)**

<table>
<thead>
<tr>
<th>Existing SVRS (Make/Model):</th>
<th>Proposed SVRS (Make/Model):</th>
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<tr>
<td>______________________</td>
<td>______________________</td>
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### Office Use Only:

- **Date Rec’d:** ______________________
- **Time:** ______________________
- **Date Paid:** ______________________
- **Rev. Date:** ______________________

**PLEASE NOTE:** Approval does not constitute permission to violate any applicable City or County ordinance, State, or Federal law, and shall not prevent this department from requiring correction of errors or omissions in plans, specifications or construction. Approval is required prior to commencing construction and shall first be cleared by the enforcing agent before equipment substitution if not an exact duplicate of the units being changed or replaced. The Building Department shall not issue a permit for a public pool until approved by the enforcing agent.
3103B PLAN REVIEW. A person proposing to construct, renovate or alter a pool, auxiliary facilities or equipment and appurtenances shall submit plans and specifications detailing compliance with this chapter to the enforcing agent for review and written approval prior to commencing construction and shall first be cleared by the enforcing agent before substitution if not an exact duplicate of the units being changed or modified.

3104B CONSTRUCTION. Pools and all ancillary facilities, equipment, appurtenances or alterations, shall be constructed, renovated or altered in compliance with plans approved pursuant to 3103B.

3105B PLAN COMPLIANCE INSPECTION. The pool owner, operator or designated agent shall notify the enforcing agent prior to scheduling the following inspections: exposed plum and pipe, prior to pouring concrete or installing the pool shell; and at the completion of the construction. No pool shall be opened to the public without written approval of the enforcing agent.

3110B.4 DEPTH MARKERS. The water depth shall be marked at the following locations: maximum depth; and minimum depth; and each end; and both sides at the shallowest and deepest part of the pool; and in the break in bottom slope between the shallowest and deepest portion of the pool; and along the perimeter of the pool at distances not to exceed 25 feet. (Note: For an illustration diagram see Figure 31B-8) Exception: A spa or wading pool shall have a minimum of two depth markers indicating the maximum depth.

3111B STEPS, RECESSED STEPS, LADDERS, STAIRS. A means of entry and exit to and from the pool shall consist of steps, recessed steps, ladders, stairs, ramps or a combination of these. Stairs or ramps shall be provided in the shallowest portion of a pool if the vertical distance from the bottom of the pool to the deck is over 1 foot. In pools with more than one shallow end, stairs or ramps shall be provided at each shallow end. A second means of entry and exit shall be provided in the deepest portion of a pool having greater than 4½ feet of submersion. The self-latching devices shall be capable of being locked during times when the pool is closed. Exit doors which comply with Chapter 10, Title 24, California Code of Regulations shall be considered as meeting these requirements; and 3. The pool enclosure shall have at least one means of egress without a key for emergency purposes. Unless all gates or doors are so equipped, those gates and/or doors which will allow egress without a key shall have a sign in letters at least 4 inches (102 mm) high stating the following: "Emergency Egress." The enclosure shall be constructed so that all persons will be required to pass through common pool enclosure gates or doors in order to gain access to the pool area. All gates and doors exiting the pool area shall open into a public area or a walkway accessible by a ladder to the exterior of the building, or where the recirculation equipment for more than one pool is to be located, the enclosure shall be self-closing and self-latching devices. The self-closing device shall keep the gate or door securely closed. Gates and doors shall open outwardly away from the pool except where otherwise prohibited by law. Hand activated door or gate opening hardware shall be capable of being locked for a period of at least 1½ hours but no higher than 44 inches above the deck or walkway; and 2. Gates and doors shall be capable of being locked during times when the pool is closed. Exit doors which comply with Chapter 10, Title 24, California Code of Regulations shall be considered as meeting these requirements.

3112B HANDHOLDS. Every pool shall be provided with hand-holds (perimeter overflow system, bull-nosed coping or cantilevered decking) around the entire perimeter installed not greater than 9 inches above the waterline. Hand-holds are not required for wading pools.

3112B.3 A bull-nosed coping or cantilevered decking of reinforced concrete, or material of similar strength and durability, with rounded slip resistant edges shall be provided. The overhang for either bull-nosed coping or cantilevered decking shall not exceed 2 inches or be less than 1 inch and shall not exceed 2½ inches in thickness. The enforcing agent may accept other hand-holds for spa pools.

3114B POOL DECKS. A minimum continuous and unobstructed 4 foot wide slip resistant, cleanable, nonabrasive deck area of concrete or like material shall be provided flush with the top of the pool coping extending completely around the pool.

3115B POOL LIGHTING. Pools shall have underwater and deck lighting such that lifeguards or other persons may observe, without interference from direct and reflected glare from the lighting sources, every part of the pool and pool area; and each part of the pool and pool area shall be visible to direct and reflected glare from the lighting sources, every part of the pool area; and each part of the pool area shall be visible to direct and reflected glare from the lighting sources. If underwater or deck surface-lighting is not operational, the operator of the pool shall secure the pool area and not permit any use of the pool after dark and shall post the same sign as required in Section 3120B.9.

3119B POOL ENCLOSURE. The pool shall be enclosed by one or a combination of the following: a fence, portion of a building, wall, or other approved durable enclosure. Doors, windows, gates of living units or accessory structures that do not meet the above shall not be less than 36 inches in height, made of material that is fire resistant and capable of resisting wind pressures of at least 310 P.S.I., and have a minimum effective perpendicular height of 5 feet (1524 mm) as measured from the outside as depicted in Figure 31B-4; and 2. Openings, holes or gaps in the enclosure, doors and gates shall not allow the passage of a 4-inch diameter sphere. The enclosure shall be constructed over a hard and permanent material equivalent to concrete; and 3. The enclosure shall be designed and constructed so that it cannot be readily climbed or possessed of a handrail or guard rail of horizontal and vertical guard rail shall be provided. Horizontal members shall be spaced at least 48 inches apart. No plants or other structures that can be climbed shall be permitted within 5 feet of the outside of the pool enclosure or within a 5 foot arc as depicted in Figure 31B-5. The area 5 feet outside of the pool enclosure shall be a common area open to the public; and 4. Chain link may be used, provided that the openings are not greater than 1½ inches measured horizontally.

3120B.17.1 THE DIRECTION OF FLOW for the recirculation equipment shall be labeled clearly with directional symbols such as arrows on all piping in the equipment area. 3120B.17.2 If more than one pool is located on site, the equipment shall be marked as to which pool the system serves.

3120B.17.3 Valves and plumbing lines shall be labeled clearly with source or destination descriptions.

3122B EQUIPMENT. All pumps, filters, chemical feeders, skimmers and supplemental equipment shall comply with the applicable requirements established by the NFPA ANSI 50-2012 performance standard effective September 2012.

3123B All equipment related to pool operations shall be installed and maintained according to this chapter and in accordance with the equipment manufacturer’s written instructions.

3124B TURNOVER TIME. The recirculation system shall have the capacity to provide a complete turnover of pool water in: 1. One-half hour or less for a spa pool; and 2. One-half hour or less for a spray ground; and 3. One-half hour or less for a wading pool; and 4. Two hours or less for all other types of public pools. Note: Pools constructed prior to 1980 may have a 6 hour turnover time.

3125B.1 RECONDITIONING PIPING SYSTEM AND COMPONENTS. Pipes shall be sized so flow velocity of piping systems including all pipes and fittings other than inlet devices or venturi throats shall not exceed 6 feet per second in any suction or copper piping and 8 feet per second in any portion of the return system.

3125B.2 All piping, fitting and tubing shall comply with applicable requirements established for potable water system materials set forth in Chapter 6 of the California Plumbing Code.

3125B.2 GAuges. A pressure and vacuum gauge shall be provided for each pump and shall be located in a location accessible to the control of both the recirculation system and component and shall be capable of being locked during times when the pool is closed. Exit doors which comply with Chapter 10, Title 24, California Code of Regulations shall be considered as meeting these requirements; and 3. The pool enclosure shall have at least one means of egress without a key for emergency purposes. Unless all gates or doors are so equipped, those gates and/or doors which will allow egress without a key shall have a sign in letters at least 4 inches (102 mm) high stating the following: "Emergency Egress." The enclosure shall be constructed so that all persons will be required to pass through common pool enclosure gates or doors in order to gain access to the pool area. All gates and doors exiting the pool area shall open into a public area or a walkway accessible by all patios of the pool.

3125B.3 FLOW METER. A flow meter shall be provided on each recirculation system for repairs and backwashing.

3133B.1 CHEMICAL FEEDERS. The chemical feeder equipment shall: 1. Be maintained and repaired according to manufacturers’ specifications; and 2. Be constructed with an adjustable output device that to permit repeated adjustments without loss of output rate accuracy and adjusted by an automatic chemical monitoring and control system that regulates, at a minimum, pH and disinfectant; and 3. Meet the applicable requirements established by the NFPA ANSI 50-2012 performance standard effective September 2012.

3133B.3 Chemical feeders and associated components shall be constructed and installed to prevent uncontrolled discharge of chemicals and fumes directly into the pool, its recirculation system, the pool area or ancillary facilities.

3148B DISINFECTANT FEEDERS. Disinfectant feeders shall comply with applicable requirements established by the NFPA ANSI 50-2010 performance standard effective August 2010 for disinfectant feeders. In addition to the requirements for chemical feeders as indicated in 3133B.

3160B GROUND FAULT CIRCUIT INTERRUPTER. All dry-niche light fixtures and underwater wet-niche light fixtures operating at more than 15 volts in public swimming pools shall be protected by a ground-fault circuit interrupter (GFCI) in the branch circuit and shall have encapsulated terminals. All electrical work required for compliance with this section shall be performed by an electrician licensed pursuant to Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code.
INSTRUCTIONS:
Plans are reviewed in the order they are received. Each plan submittal requires a plan check fee payment for a MINOR POOL REMODEL. Submittals received without payment will be returned and will not be reviewed or approved. Missing information or improperly prepared or incomplete forms will not be reviewed and will delay the approval process. If submitting for multiple pools, a separate plan check fee is required for each pool.

The following MUST BE completed and submitted to this office for review and approval:

1. **MINOR POOL REMODEL FORM.** (Fill in all required sections and identify all remodel work to be completed)

2. Environmental Health Application Form. (Contact this office or your inspector for the EH application)

3. Plan Check Fee - $212.00 per pool
   - **Methods of payment:** (Make sure to print copy of receipt or payment confirmation)
     - Check or Money Order (Make payable to Fresno County Treasurer)
     - Online: [https://heartlandpaymentservices.net/PaymentPortal/FresnoCoDPHEH/Bills](https://heartlandpaymentservices.net/PaymentPortal/FresnoCoDPHEH/Bills)
     - Call: 1 (888) 567-6459

The above forms and payment can be submitted in one of the following options:

- **A. In Person:** 1221 Fulton Street, 3rd Floor, Fresno, CA 93721
- **B. By Mail:** P.O. Box 11867, Fresno, CA 93775-1867
- **C. Email:** environmentalhealth@fresnocountyca.gov
  Include: 
  1. Minor Pool Remodel Form
  2. EH Application Form
  3. Fee payment

4. After plan approval, a copy will be returned. Approval is required before commencing work and in advance of the issuance of any Building Department permit.

*Please Note: Approval does not constitute permission to violate any applicable City or County ordinance, State, or Federal law, and shall not prevent this department from requiring correction of errors or omissions in plans, specifications or construction. Final approval is subject to field inspection.*

5. Complete proposed work.

6. Submit the **CDPH COMPLIANCE FORM** for any installed drain cover(s) or SVRS. (Required to be submitted to this office within 30 days following installation)

7. Call and schedule a FINAL inspection after all work is completed and before re-opening the pool for use.

Notice: Reinspection fees will be charged if reinspections are required due to uncorrected violations.

**CALL FOR INSPECTIONS AT: 559-600-3357**