CITY OF FULSHEAR

BUILDING SERVICES

PO Box 279 / 29378 McKinnon Rd. Suite C
Fulshear, Texas 77441
Phone: 281-346-8860 ~ Fax: 281-346-8237
www.fulsheartexas.gov

APPLICATION FOR A SWIMMING POOL PERMIT

Date of Application: _____
Street Address of Site: _____
Legal Property Owner: _____
Owner's Address/City/State/Zip: _____
Owner's Phone Number: _____
Contractor's Name: _____
Address/City/State/Zip: _____
Phone Number: _____Email Address: _____

TOTAL CONSTRUCTION COST
AS SHOWN ON CONTRACT BETWEEN POOL BUILDER AND HOMEOWNER: $_____

Valuation $1,000.00 or less, then applicant shall pay to the City: $25.00.

Valuation $1,001.00 to $50,000.00, then the applicant shall pay to the City $25.00 for first $1,000.00 plus $5.00 for each additional thousand or fraction of thousand.

Valuation $50,001.00 to $100,000.00, then the applicant shall pay to the City $260.00 for first $50,000.00 plus $4.00 for each additional thousand or fraction of thousand.

Valuation $100,001.00 to $500,000.00, then the applicant shall pay to the City $460.00 for first $100,000.00 plus $3.00 for each additional thousand or fraction of thousand.

All pool construction costs over $500,000.00 please contact the Building Official for the permit fee.

Application Fee……$ 35.00

Building Permit Fee……$ _____

Plan Review Fee……..[Paid @ Plan Submittal]……$ _____

Inspections……$ 360.00

Total……$ _____

**This application is non-transferable and expires in 180 days.

I HEREBY ACCEPT ALL THE ABOVE CONDTIONS AND CERTIFY THAT ALL STATEMENTS HEREIN RECORDED BY ME ARE TRUE.

_____

Contractor's Printed Name Contractor's Signature Date

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Swimming Pool Permit Requirements

DRAWINGS SUBMITTAL: Two (2) copies of pool plans, specs, and site plan must be submitted along with a completed permit application form.

- Site plan must include information as to the location of water, sewer, underground electric and gas service lines on the property. Site plan must include **all dimensions**, including location of pool in reference to the property lines and distance from structures and all building locations, and must show all easements.
- Copy of current survey.
- If any utility lines are being rerouted, such must be shown on site plan and responsible party indicated.
- Pool steel layout must be shown on drawings, along with depth and slopes of pool shown
- All decking are required to be shown in the pool plans. Decking is prohibited in utility/electrical easements.
- Air gap P-trap **is no longer required** when using a cartridge or a closed loop system. When submitting pool plans, indicate which type of filter will be used. An air gap P-trap is still required when using a sand filter or a DE filter.
- Contract with homeowner must be submitted along with plans
- All windows within five feet (5') of the edge of the water must be safety glass.
- **Do not** connect pool deck with house slab nor porch patio slab.
- Protection of existing structural foundations.
  - The horizontal & depth ration 1:1 as measured from outside of pool/spa beam to structural foundation.
  - If closer than 1:1 ratio provide engineered, signed and sealed, design. Engineer to inspect & provide compliance report to city.

FEES: Valuation is based on the contract between the contractor and the property owner. See application for permit fees

NOTE:

- Plumbing and electrical permits need to be pulled separately. Permit fee is $45.00
- Permit holder is responsible for requesting and completing all required inspections.
- Expansion joints are required 12ft. on center and at 144 SF intervals. Dowel into expansion joint.
- At all times during the construction of the pool, a temporary fence that is at least thirty six inches (36") in height must completely surround the pool. Whenever an inspection is performed and the temporary fence does not completely surround the pool, the pool company will be subject to a citation for violation of IRC 2015 ISPSC.
- Swimming pools shall comply with the 2015 International Energy Conservation Code.
- The City of Fulshear **does not** issue credit on water bills for the filling of swimming pools.

INSPECTION REQUIREMENTS:

- **Site inspection**- Prior to calling in site inspection all utilities must be located and marked, and pool location designated.
- **Main Drain and Pool Steel**- Main drain (pressure test required @ 35 PSI for 15 mins.).
- **Deck Steel, Electrical Bond, Electrical Underground and Plumbing**- All electrical systems must comply with 2005 NEC Sec 680 and related sections. Before any concrete is placed for the pool deck, the placement of steel and the electrical bond shall be inspected and approved. The concrete deck reinforcement shall be a minimum size of three-eighths inch (3/8") and located no more than eighteen inches (18") on center each way. All electrical wiring and conduit buried in the ground must be inspected prior to covering with dirt. All pool plumbing shall be subjected to a minimum water test of fifteen (15) p.s.i.
- **Gas Line-** Underground and Gas test (GTO) Poly gas lines must be buried at least eighteen inches (18") below the ground with a copper tracer wire not less than 18 gauge. GTO 5lbs a head on diaphragm gauge and have Anodeless Risers.
- **Gas Fire Pit-** Must be operable for 15 minutes successfully before we can final the pool.
- **Barrier inspection-** Before any water is placed in the pool, the permanent fence shall be installed, inspected and approved
- **Pool final inspection-** All pool work must be completed, all fencing must be in place. Curbs, city sidewalks, landscaping and irrigation systems located in the right-of-way will be inspected to verify that no damage was done during construction.
- **Pop-Up Drainage Emitter-** Minimum 12" before curb

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Certification of House – Pool Protection Device Installation

I certify that I am the homeowner at: _____ (print address) and the following swimming pool barrier protection devices has been installed between all doors with direct access to the pool area.

_____ 1. All doors will direct access to the pool shall be equipped with an alarm which produces an audible warning when the door and its screen, if present, are opened. The alarm shall sound continuously for a minimum of 30 seconds immediately after the door is opened and be capable of being heard throughout the house during normal household activities. The alarm shall automatically reset under all conditions. The alarm system shall be equipped with a manual means, such as a touchpad or switch, to temporarily deactivate the alarm for a single opening. Such deactivation shall last for not more than 15 seconds. The deactivation switch(es) shall be located at least 54 inches above the threshold of the door.

Printed name of the Homeowner: _____

Signature of the Homeowner: _____ Date: _____

Notary Public to Complete the Remainder of Form

State of Texas

County of _____

BEFORE ME, the undersigned authority, on this _____ day of _____ in the year of _____, personally appeared _____, known to me to be a credible person and the signer on the foregoing certificate, and who, after being by me duly sworn, did upon his/her oath, state that information contained in such application is true and correct to the best of his/her knowledge and belief.

_____ Notary Public in and for _____ County
Notary Seal: State of Texas
My commission expires: _____

Texas Penal Code Section 37.10 states that a person commits a Class A misdemeanor if they knowingly make false entries in, or false alteration of, a governmental record or makes or uses any record document, or thing with knowledge of its falsity and with intent that it be taken as a genuine government record.

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Swimming Pool Barrier Compliance Agreement with the City of Fulshear

I certify that I am the homeowner at: _____ (print address), and the following pool company: _____ will be acting as the General Contractor installing the pool.

We both agree and understand the following swimming pool barrier will be installed in accordance with the 2015 FSPSC, and inspected before any water is put into the pool.

I understand that if any water is put into the pool before a barrier is placed, inspected, and approved by the City of Fulshear, a citation will be issued to the General Contractor and the homeowner for each day the violation is not in compliance. The amount of the citation per day would be no less than $500.00 and no more than $2,000.00.

Attached to this agreement is a copy of Section AG105, Barrier Requirements from the 2015 International Residential Code.

_____
Printed name of Homeowner

_____ _____
Signature of Homeowner Date

_____
Printed name of General Contractor and Title

_____ _____
Signature of General Contractor Date

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CONDITION OF PERMIT – BUILDER'S RISK

Location:

Contractor:

LET IT BE KNOWN THAT PLACEMENT OF ANY LANDSCAPING, LAWN IRRIGATION EQUIPMENT OR WATER LINES OUTSIDE OF THE ESTABLISHED PROPERTY BOUNDARIES WILL BE AT BUILDER'S RISK NEITHER THE CITY NOR ANY ENTITY WITH ENTITLEMENT TO THE EASEMENTS WILL NOT REMOVE OR REPLACE ANY OF THE AFORE MENTIONED.

By my signature below I understand and agree to the above condition(s).

_____ _____

Print Name Signature

_____

Date

Swimming Pool/Spa Zoning-Code Checklist

2015 ISPSC & 2005 NEC

Address: _____Date: _____

Zoning District: _____ Flood Zone: _____

CONDITION OF PERMIT: **Signed original is accompanying application** Yes___No____

Zoning Requirements:

A. Distance from side property line = Five (5) feet minimum Yes____No_____

B. Distance from rear property line = Five (5) feet minimum Yes____No_____

C. No encroachment in or on a utility/easement shown Correct_____

D. No routing of any plumbing, electrical, drains in easements. Correct _____

****

Code Requirements:

1. Provide route for gas piping from meter to pool heater. _____Yes____No_____
   (Install a 2-stage gas meter Yes__No__ or provide a complete gas riser diagram longest length, per IFGC table 402.4(2) signed by Master Plumber including the Master license number, show existing and new pool heater, fire bowls, fire pits, etc.)
   [Gas pipe shall be sleeved under concrete] Anodeless Risers are required.

2. Provide electrical route from main disconnect to equipment _____Yes____No_____

3. Provide electrical load analysis _____Yes____No_____
   (Existing load and with new pool/spa load, size of main disconnect, this shall be signed by Master Electrician including his master license number)

4. Provide pool/spa reinforcement, wall and beam detail _____Yes____No_____

5. Pool/spa enclosure/barrier shall comply with Section 305, _____Yes____No_____
   (See Section 305, fences, door & window alarms and locally all gates shall be 4 feet high)

6. B**ackwash:** Sanitary P-Trap; **Filter system and area drains**: Storm Sewer _____Yes____No_____

7. Provide vertical and horizontal clearances from power lines, _____Yes____No_____
   (per 2005NEC figure 680.8)

8. Provide site plan showing location of pool/spa equipment _____Yes____No_____

9. Provided with the application, an on-ground staked survey, by a registered professional engineer or licensed surveyor locating the lot corners, all property lines, all utility and other easements and the pool location on the lot at time of application for permit. Note: An "as-built" survey will be required by the Chief Building Official. _____
   _____Yes____No_____
   [Exception: place pool/spa/decking a minimum of one (1) foot from easements and setbacks
   Example: 14 foot UE setback to outer edge of pool beam will = 15 feet minimum]

10. Suction Entrapment Avoidance per Section 310 _____Yes____No_____

11. Provide horizontal distance from existing foundations to outside wall of pool Yes_____ No_____
    (if less than the depth of the pool have an engineer provide design letter, signed and sealed, that will not affect the existing structural foundation)

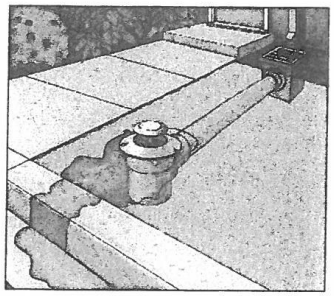
7-9-15 JRB

POP-UP DRAINAGE EMITTER

NDS™
WE PUT WATER IN ITS PLACE

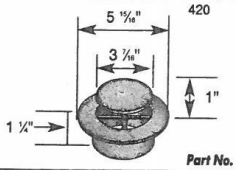
The Pop-Up Drainage Emitter is an easy, safe and efficient solution.

- It allows water to be diverted and released to water-safe areas away from structures, erosion-prone landscapes and poor drainage areas.
- It allows water captured by grates, catch basins, channel drains, Flo-Well, downspouts and roof gutter systems to flow through the drainage pipe and away from structural foundations to safe or useful areas. For example, water can be routed from a low area next to a foundation to a water safe area such as a curbside drainage system.
- It is opened by the hydrostatic pressure of water flowing through the drain pipe. As flow diminishes the Emitter closes again. The special patented design allows the Emitter to open with a negligible amount of pressure. Since the Emitter is closed during dry weather, debris and rodents cannot enter the drain pipes.
- It does not rise high enough to interfere with mowers.
- Spring automatically retracts – closes and prevents damage from lawn mowers.
- It blends into the surrounding landscapes.

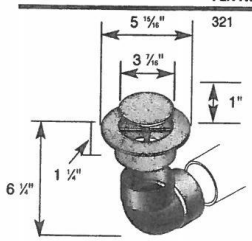


Allows water to flow to street without core drilling the curb.

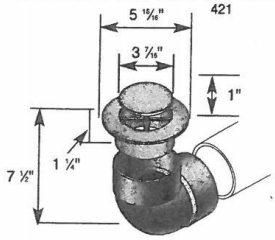
3" & 4" POP-UP DRAINAGE EMITTER



Part No.	Description	Color	Pkg. Qty.	Wt. Ea. (lbs.)	Product Class	Specifications
420	3" & 4" Pop-Up Drainage Emitter Fits 3" and 4" hub Sewer and Drain Fittings Can now be installed in vertical applications - ideal for discharging water from retaining walls and street curbs. Spring automatically retracts.	Green	20	0.28	10ND	NDS #420, 3" and 4" Polyolefin Pop-Up Drainage Emitter, Center Drive Pop-Up with UV inhibitor. 40 G.P.M.



Part No.	Description	Color	Pkg. Qty.	Wt. Ea. (lbs.)	Product Class	Specifications
321	3" Emitter with Elbow May be used with Flo-Well to relieve overflow. Can now be installed in vertical applications - ideal for discharging water from retaining walls and street curbs Spring automatically retracts - prevents damage from lawn mowers.	Green	25	0.60	10ND	NDS #321, 3" Polyolefin Pop-Up Drainage Emitter, Center Drive Pop-Up with UV inhibitor, PVC 90 degree elbow with 1/4" Drain hole. 40 G.P.M



Part No.	Description	Color	Pkg. Qty.	Wt. Ea. (lbs.)	Product Class	Specifications
421	4" Emitter with Elbow May be used with Flo-Well to relieve overflow. Can now be installed in vertical applications - ideal for discharging water from retaining walls and street curbs Spring automatically retracts - prevents damage from lawn mowers.	Green	20	0.85	10ND	NDS #421, 4" Polyolefin Pop-Up Drainage Emitter, Center Drive Pop-Up with UV inhibitor, PVC 90 degree elbow with 1/4" Drain hole. 40 G.P.M

Note: All dimensions are nominal. All weights are for shipping purposes only. Availability is subject to change.

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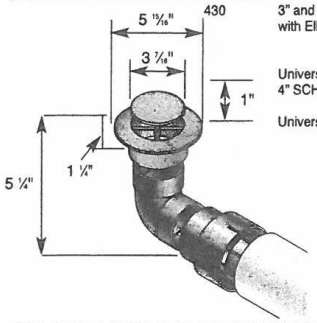
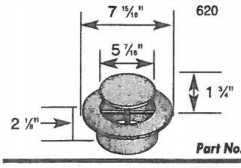
POP-UP DRAINAGE EMITTER

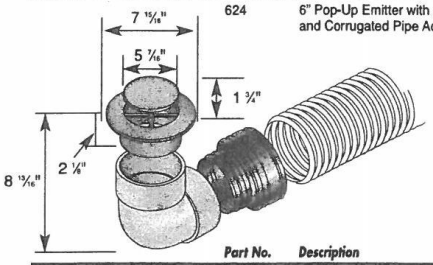


Part No.	Description	Color	Pkg. Qty.	Wt. Ea. (lbs.)	Product Class	Specifications
430	3" and 4" Pop-Up Drainage Emitter with Elbow and Universal Adapter Universal Adapter fits 3" and 4" corrugated pipe, 3" and 4" sewer and drain pipe, 4" SCH. 40 pipe, and 3" and 4" triple wall pipe. Universal Adapter, part #1241, also sold separately.	Green	20	1.00	10ND	NDS #430 4" Polyolefin Pop-Up Drainage Emitter, Center Drive Spring oaded Pop-Up with UV inhibitor, PVC 90 degree elbow with 1/4" drain hole 40 G.P.M.

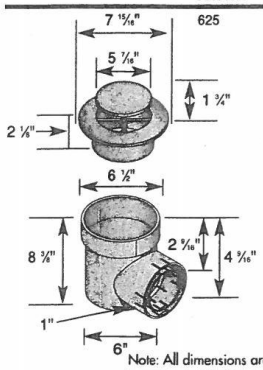
6" POP-UP DRAINAGE EMITTER



Part No.	Description	Color	Pkg. Qty.	Wt. Ea. (lbs.)	Product Class	Specifications
620	6" Pop-Up Drainage Emitter	Green	15	0.61	10ND	NDS #620 6" Polyolefin Pop-Up Drainage Emitter, Center Spring oaded Drive Pop-Up with UV inhibitor. 100 G.P.M



Part No.	Description	Color	Pkg. Qty.	Wt. Ea. (lbs.)	Product Class	Specifications
624	6" Pop-Up Emitter with Elbow and Corrugated Pipe Adapter	Green	10	3.45	10ND	NDS #624 6" Polyolefin Pop-Up Drainage Emitter, Center Spring oaded Drive Pop-Up with UV Inhibitor, PVC 90 degree elbow wih 1/4" drain hole 100 G.P.M



Part No.	Description	Color	Pkg. Qty.	Wt. Ea. (lbs.)	Product Class	Specifications
625	6" Pop-Up Emitter wih Spee-D® Basin	Green	8	2.21	10ND	NDS #625 6" Polyolefin Pop-Up Drainage Emitter, Center Spring oaded Drive Pop-Up wih UV Inhibitor, with 6" Spee-D® Basin. 100 G.P.M

Note: All dimensions are nominal. All weights are for shipping purposes only. Availability is subject to change.

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