

City of Lake Alfred
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Lake Alfred, FL 33850



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AGENDA
CITY COMMISSION MEETING
MONDAY FEBRUARY 15, 2016
7:30 P.M.
CITY HALL

CALL TO ORDER: MAYOR CHARLES LAKE

INVOCATION AND PLEDGE OF ALLEGIANCE: PASTOR M. STRAWN

ROLL CALL: CITY CLERK AMEÉ BAILEY

CITY MANAGER & CITY ATTORNEY ANNOUNCEMENTS

RECOGNITION OF CITIZENS: ITEMS NOT ON AGENDA

PROCLAMATION: AFRICAN AMERICAN HISTORY MONTH

CONSENT AGENDA:

- 1.) CITY COMMISSION MEETING MINUTES FOR FEBRUARY 1, 2016.
- 2.) CITY COMMISSION ANNOUNCEMENTS

AGENDA

- 1.) PUBLIC HEARING: ORDINANCE 1363-16: PERMITTING SERVICE FEES
- 2.) RETIREMENT BOARD APPOINTMENTS
- 3.) PURCHASE: HIGH SERVICE WATER PUMPS

RECOGNITION OF CITIZENS (PLEASE LIMIT YOUR COMMENTS TO 5 MINUTES.)

COMMISSIONER QUESTIONS AND COMMENTS:

COMMISSIONER DEARMIN
COMMISSIONER MAULTSBY
MAYOR LAKE
VICE MAYOR DALEY
COMMISSIONER DUNCAN

ADJOURN



Proclamation

To recognize and celebrate February 2016 as African American History Month.

Whereas, Black History Month and National African American History Month is an important time to celebrate the many achievements and contributions made by African Americans; and

Whereas, the tradition of celebrating African Americans began in February 1926. The celebration was expanded to a month in 1976. President Gerald R. Ford urged Americans to "seize the opportunity to honor the too-often neglected accomplishments of black Americans in every area of endeavor throughout our history." That year, fifty years after the first celebration, the association held the first African American History Month; and

Whereas, the 2016 Florida Black History Month theme is "Honoring African American Heroes;" Florida is working to be the most military-friendly state in the nation, and it is important that we honor African American heroes, past and present, who have risked their lives to ensure the safety of others; and

Whereas, American history is full of African American heroes, veterans, military members, law enforcement officers, and first responders who have risked their lives to protect and free people all over the world ; and

Whereas, we are proud to honor and recognize African Americans who struggled with adversity to achieve full citizenship in American society and have helped make our country a better place to live, work and visit.

Therefore, BE IT RESOLVED that the City of Lake Alfred formally recognize February 2016 as

"African American History Month"

in the City of Lake Alfred, Florida and urge all citizens to recognize the impact of African Americans and extend best wishes to all observing February 2016 as Black History Month or African American Month.

IN WITNESS WHEREOF, I have hereunder set my hand this 15th day of February, 2016.

Charles Lake, Mayor
City of Lake Alfred, Florida

**LAKE ALFRED CITY COMMISSION MEETING
FEBRUARY 15, 2016**

CONSENT AGENDA

1.) FEBRUARY 1, 2016 CITY COMMISSION MEETING MINUTES

ATTACHMENTS:

- Draft Minutes

ANALYSIS: Please review the minutes at your earliest convenience and if there are any questions, comments or concerns please contact the City Clerk, Ameen Bailey at (863) 291-5747.

2.) CITY COMMISSION ANNOUNCEMENTS

ANALYSIS: Each of the meetings/ events scheduled below may constitute a public meeting at which two or more City Commissioners or Planning Board Members may attend and discuss issues that may come before the City Commissioners.

- Ag Deputy Luncheon on February 23rd at 11:30 am in the Stuart Center, Bartow.
- Ridge League Dinner Meeting March 10th at 6 pm in Bartow.

STAFF RECOMMENDATION: Approval of the consent agenda.

DRAFT MINUTES
CITY OF LAKE ALFRED
CITY COMMISSION MEETING
MONDAY FEBRUARY 1, 2016
7:30 P.M.
CITY HALL

Call to Order: Mayor Charles Lake

Invocation and Pledge of Allegiance: Pastor Blocker

Roll Call: Those in attendance were Mayor Charles Lake, Vice Mayor Nancy Daley, Commissioner John Duncan, Commissioner Jack Dearmin, and Commissioner Albertus Maultsby.

Staff attendance: City Manager Ryan Leavengood, City Attorney Seth Claytor, City Clerk Ameen Bailey-Speck, Community Development Director Valerie Ferrell, Parks and Recreation Director Richard Weed, and Police Chief Art Bodenheimer.

CITY MANAGER ANNOUNCEMENTS

City Manager Leavengood stated the City Commission has been invited Mrs. Carol Faulks to attend the ground breaking ceremony for Discovery High School on Wednesday, February 3rd at 10 am.

Mackay Gardens and Lakeside Preserve will host a free gardening workshop on Thursday February 4th at 10 am and a guided nature walk on Sunday February 14th at 2 pm. Contact the Parks and Recreation Department for more details or to sign-up for one of these events.

The Lake Alfred Public Library is starting some new classes and a Teen Advisory Board this week. Please contact the Library or check out their website for more information on these events.

First Baptist Church of Lake Alfred has invited the City Commission to the dedication service for the opening of their new Worship Center on Sunday, February 7th at 8:15 or 10:45 am.

The Chamber of Commerce will host the "Taste of Lake Alfred" on Thursday, February 11th from 6 - 10 pm at the Lions Club. The event will include food from several local venues, entertainment from the Nathan Baldwin Band and a crazy auction.

The City of Fort Meade will be hosting the Ridge League Dinner also on Thursday, February 11th at 6:30 pm at the Streamsong Resort.

City Manager Leavengood provided an update regarding the wayfinding signs stating that the sign foundations will be poured this week for inspection by FDOT. Installation will start with the main eight wayfinding and then the side street signs after.

CITY ATTORNEY ANNOUNCEMENTS

No announcements.

RECOGNITION OF CITIZENS

Margaret Wheaton, 340 Carolina Ave South, spoke on the pedestrian bridge proposed by FDOT. She attended the FDOT meeting and is in favor of the bridge. However she is concerned about the visual impact to the City. The bridge will be a gateway to Lake Alfred and will be the largest and highest structure in the City. She is concerned that it will overshadow the current entrance at Lake Rochelle. She stated that the bridge is purely functional and that other communities have added architectural elements to make the pedestrian bridges more attractive such as Ave. T in Winter Haven and in Kissimmee over the John Young Parkway. She urges the City Commission to pay close attention to the design and impact of the bridge to the image of Lake Alfred.

CONSENT AGENDA:

Commissioner Dearmin moved to approve the amended consent agenda; seconded by **Commissioner Duncan** and the motion was approved by unanimous voice call vote.

MAYOR LAKE	AYE
VICE MAYOR DALEY	AYE
COMMISSIONER DEARMIN	AYE
COMMISSIONER DUNCAN	AYE
COMMISSIONER MAULTSBY	AYE

AGENDA

1.) ORDINANCE 1362-16: PREPAYMENT CRITERIA AND EXEMPTIONS FOR IMPACT FEES

City Attorney Seth Claytor read the ordinance title.

City Manager Leavengood stated that the City currently allows for the prepayment of impact fees for the development of vacant property. This type of activity will generally be provided for within a development agreement for larger scale projects where the developer desires to lock in current impact fee rates and also reserve capacity in the City’s utility system. However, the City’s current code is unclear and does not provide guidance for the prepayment of impact fees outside of a development agreement.

The proposed ordinance addresses these concerns and clarifies the procedures for prepaid impact fees outside of a development agreement. Namely, it provides for their validity for three (3) years and credits the impact fees to the current owner of the property. Property owners that approach the City for prepayment of impact fees will have to agree to these provisions in a form or agreement that we will maintain in our records.

The county and other cities in our region have similar provisions and limitations for prepaid impact fees. The additional purpose of these provisions is to incentivize immediate construction or to move owners into a development agreement with the City.

Staff reviewed a proposed changes from legal staff since first reading. Staff recommended approval of Ordinance 1362-16 on second and final reading.

The **City Commission** asked about transfer provisions that would allow for additional time.

Staff responded that transfers were allowed but would not extend the three year period.

Commissioner Maultsby moved to approve Ordinance 1362-16 with the proposed revisions to Exhibit "A" on second and final reading, seconded by **Commissioner Duncan**. The motion was approved by unanimous voice call vote. The motion was approved by unanimous voice call vote.

MAYOR LAKE	AYE
VICE MAYOR DALEY	AYE
COMMISSIONER DEARMIN	AYE
COMMISSIONER DUNCAN	AYE
COMMISSIONER MAULTSBY	AYE

2.) ORDINANCE 1363-16: PERMITTING SERVICE FEES

City Attorney Seth Claytor read the ordinance title.

City Manager Leavengood stated as a part of a comprehensive review of city codes and policies, city staff has identified an opportunity to clean up and improve the code related to the schedule of permitting fees for construction within the City.

The permitting fees for the City were established in 1997 and subsequently amended in 2010. They currently reference a "Legacy Building Valuation Data" chart from the Southern Building Code which is outdated and no longer updated or maintained. Additionally, the valuation chart and Section 14-71 of the code also requires the Building Official to assign "Good" or "Average" valuations to the construction for permitting fee purposes. This creates a subjective element in determining the fees and also is dependent on the construction values that are submitted by the builder in their permit application (which creates an incentive for the contractor to undervalue their construction as it has no bearing on the purchase price of the property). As an example the LGI homes recently built may have been purchased for \$160,000 but the permit fees were based on a construction value of \$80,000. DR Horton homes were sold for approx. \$210,000 and the permit fees were based on \$190,000. Therefore the auditor asked why there was a difference. Staff provided some explanations such as size, quality, and volume, however it raised the question regarding the outdated valuation chart.

The proposed ordinance creates a baseline valuation rate of \$75 per square foot which is consistent with the value of construction in the Polk County region. This provides the auditor

DRAFT

with some consistency and is in line with other cities. This amount is significantly lower than the current International Code Council (ICC) valuations are for per square foot construction. Based upon current ICC standards, a typical newly constructed single family home would have a valuation of \$130.57 per square foot. The proposed ordinance does not increase permit fees.

The provisions within this ordinance were prepared by city staff and based upon feedback from several local Building Officials (Winter Haven, Auburndale) as well as the City Auditor and City Attorney.

Staff recommended approval of Ordinance 1363-16 on first reading.

The **City Commission** stated that the City Manager answered their questions.

Commissioner Dearmin moved to approve Ordinance 1363-16 for Permitting Service Fees on first reading, seconded by **Commissioner Maultsby**. The motion was approved by unanimous voice call vote. The motion was approved by unanimous voice call vote.

MAYOR LAKE	AYE
VICE MAYOR DALEY	AYE
COMMISSIONER DEARMIN	AYE
COMMISSIONER DUNCAN	AYE
COMMISSIONER MAULTSBY	AYE

RECOGNITION OF CITIZENS

There were no citizen comments.

COMMISSIONER QUESTIONS AND COMMENTS

Commissioner Maultsby asked if any developers had recently contacted the City. He also thanked his constituents for allowing him to represent them.

City Manager Leavengood stated that if when you drive around the City you will notice that several developments are almost built out such as Magnolia Ridge and Tract IV of The Lakes Subdivision, which will lead to new developments starting.

Mayor Lake thanked staff for pressure washing the sidewalks around the City. He commented on the bridge and that the City is talking to FDOT to improve the look of the bridge by adding the City seal and wording.

Commented on the First Baptist Church move and growth. Teams will move the stage and chairs each week to prepare for service. The church may build a new worship center in the future.

He stated he is looking forward to high school ground breaking and he asked about Mrs. Faulks attending a meeting to discuss the school.

He attended a recent parliamentary procedure workshop and would like to make a couple of tweaks to the meeting process.

Vice Mayor Daley stated she agreed with Margaret Wheaton's comments on the bridge, but she thinks the bridge can be an opportunity. She would like to see some imaginative colored lighting and landscaping. The benefit of the bridge will outweigh the aesthetic change.

She addressed the Water Coop meetings and asked if the Mayor would like to attend Water School and take her place on the Committee. Water school will be held in Bartow on February 19th and 26th.

She also wanted to remind the Commission that when a committee want the City's position on an item that it should be a position based on consensus of the Commission and not an individual Commissioners opinion. She gave an example of the Central Polk Parkway and the new Highway Authority Discussion. She is not in favor of the project but the Commission should discuss the issue to develop a position. Commissioners should be clear as to when they are speaking for the City or as an individual.

Mayor Lake stated the committee was just formed to discuss the creation of a Highway Authority.

Commissioner Duncan stated he agreed on the bridge comments. He mentioned the possibility of having the blue call boxes near the bridge like on other parts of the trail. He is concerned about the bridge height to allow for freight.

He stated that baseball sign-up continues tomorrow night from 6-8 pm. This year the league is inter leaguing with Haines City. He is looking forward to the ground breaking on Wednesday.

Mayor Lake stated the FDOT commented that the bridge is 6-8 inches taller than required.

Commissioner Dearmin stated he is also concerned about the bridge height. He is looking forward to Wednesday and he will be representing the City at the Chamber Dinner.

With there being no further business to discuss, Mayor Lake adjourned the meeting at 8:04 pm.

Respectfully Submitted,

Ameé N. Bailey
City Clerk

**LAKE ALFRED CITY COMMISSION MEETING
FEBRUARY 15, 2016**

1.) PUBLIC HEARING: ORDINANCE 1363-16: PERMITTING SERVICE FEES

ISSUE: The City Commission will consider an ordinance updating the City's permitting fees.

ATTACHMENTS:

- Ordinance 1363-16
- International Code Council Construction Costs

ANALYSIS: As a part of a comprehensive review of city codes and policies, city staff has identified an opportunity to clean up and improve the code related to the schedule of permitting fees for construction within the City.

The permitting fees for the City were established in 1997 and subsequently amended in 2010. They currently reference a "Legacy Building Valuation Data" chart from the Southern Building Code which is outdated and no longer updated or maintained. Additionally, the valuation chart and Section 14-71 of the code also requires the Building Official to assign "Good" or "Average" valuations to the construction for permitting fee purposes. This creates a subjective element in determining the fees and also is dependent on the construction values that are submitted by the builder in their permit application (which creates an incentive for the contractor to undervalue their construction as it has no bearing on the purchase price of the property).

The proposed ordinance creates a baseline valuation rate of \$75 per square foot which is consistent with the value of construction in the Polk County region. This amount is significantly lower than the current International Code Council (ICC) valuations are for per square foot construction. Based upon current ICC standards, a typical newly constructed single family home would have a valuation of \$130.57 per square foot. The proposed ordinance does not increase permit fees.

The provisions within this ordinance were prepared by city staff and based upon feedback from several local Building Officials (Winter Haven, Auburndale) as well as the City Auditor and City Attorney.

STAFF RECOMMENDATION: Approval of Ordinance 1363-16 on second and final reading.

ORDINANCE 1363-16

AN ORDINANCE OF THE CITY OF LAKE ALFRED, FLORIDA; PROVIDING FOR AN AMENDMENT TO CHAPTER 14 ARTICLE IV OF THE CODE OF ORDINANCES, AMENDING THE BUILDING CONSTRUCTION PERMITTING RELATED SERVICE FEE SCHEDULE, PROVIDING FOR SEVERABILITY AND THE ADMINISTRATIVE CORRECTION OF SCRIVENER'S ERRORS; REPEALING ALL ORDINANCES IN CONFLICT HERewith; AND PROVIDING AN EFFECTIVE DATE

WHEREAS, the City of Lake Alfred City Charter Section 2.09 provides that establishing and amending any service or user charges for any City services must be adopted by ordinance; and

WHEREAS, Ordinance No. 818-97 provided for the establishment of building construction permitting and related services fees charged by the City of Lake Alfred, Florida which was later amended by Ordinance 1271-10 ; and

WHEREAS, on July 28, 2014, the City Commission of the City of Lake Alfred, Florida, adopted Ordinance No. 1333-14; and

WHEREAS, Ordinance No. 1333-14 adopted, by reference, the most current version of the Florida Building Code to be enforced as the Building Code of and/or for the City of Lake Alfred, Florida; and

WHEREAS, Section 166.222 of the Florida Statutes authorizes a municipality to adopt a schedule of reasonable inspection fees in order to defer the cost(s) of inspection and enforcement of its building code; and

WHEREAS, the schedule of fees, as authorized by Section 166.222 of the Florida Statutes, and collected by the City shall be used solely for carrying out its responsibilities in enforcing the Florida Building Code; and

WHEREAS, in providing a schedule of reasonable fees, Section 553.80(7) of the Florida Statutes provides that the total estimated revenue(s) derived from said fees, and the fines and investment earnings related to same, may not exceed the total estimated cost(s) of inspection and enforcement of the Florida Building Code; and

WHEREAS, the City, in implementing recognized management, accounting, and oversight practices, identified that the Code of Ordinances, as related to the City's schedule of inspection fees, referenced a building valuation model which was no longer applicable to the enforcement of the Florida Building Code; and

WHEREAS, the City determined that, in order to enforce its adopted Building Code and protect the health, safety and general welfare of the residents of the City of Lake Alfred, it is

necessary to amend the Code to provide an up-to-date building valuation data chart and schedule of reasonable fees for the inspection and enforcement of the Florida Building Code.

NOW, THEREFORE BE IT ORDAINED by the City Commission of the City of Lake Alfred, Florida that this Ordinance is hereby passed for the protection and welfare of the citizens of Lake Alfred, and that:

SECTION 1: AMENDMENT.

Chapter 14, Article IV of the Code of Ordinances shall be amended as depicted in Exhibit "A" attached hereto and made a part hereof (deletions are shown in ~~striketrough~~ and additions are shown in underline format).

SECTION 2: SEVERABILITY.

If any section, subsection, sentence, clause or phrase of this Ordinance is, for any reason held to be unconstitutional, such decision shall not affect the validity of the remaining portions of this Ordinance. The City of Lake Alfred, Florida hereby declares that it would have passed this Ordinance, and each section, subsection, clause or phrase thereof, irrespective of the fact that any one or more sections, subsections, sentences, clauses and phrases be declared unconstitutional.

SECTION 3: CONFLICTS.

All ordinances or parts of ordinances and resolutions in conflict or inconsistent with the provisions of this ordinance are hereby repealed to the extent necessary to give this ordinance full force and effect.

SECTION 4: EFFECTIVE DATE.

This ordinance shall become effective immediately upon final adoption.

SECTION 5: CODIFICATION.

It is the intention of the City Commission that the provisions of this Ordinance shall become and be made a part of the Code of Ordinances of the City of Lake Alfred; and that sections of this Ordinance may be renumbered or relettered and the word "ordinance" may be changed to, "section", or such other appropriate word or phrase in order to accomplish such intentions; and regardless of whether such inclusion in the Code of Ordinances of the City of Lake Alfred is accomplished, sections of this Ordinance may be renumbered or relettered and the correction of typographical and/or scrivener's errors which do not affect the intent may be authorized by the City Manager or his or her designee, without need of public hearing, by filing corrected or recodified copy of same with the City Clerk.

PASSED on first reading at the regular meeting of the Lake Alfred City Commission held on the 1st day of February, 2016.

READ, PASSED AND FINALLY ADOPTED on second reading at the meeting of the Lake Alfred City Commission duly assembled on the 15th day of February, 2016.

CITY OF LAKE ALFRED, FLORIDA

CITY COMMISSION

Charles O. Lake, Mayor

ATTEST:

Amee Bailey-Speck, City Clerk

Approved as to Form:

Frederick J. Murphy, Jr., City Attorney

**Ordinance 1363-16
Exhibit "A"**

Chapter 14, Article IV of the Code of Ordinances of the City of Lake Alfred, Florida shall be amended to read as follows (provisions being deleted are shown as ~~strikethrough~~ and provisions being added are shown as underlined):

CHAPTER 14 – BUILDINGS AND BUILDING REGULATIONS

ARTICLE IV. - FEES

~~Sec. 14-71. – Procedure for establishing building valuation and permit fees.~~

~~The valuation of new building construction for purposes of assessing building permit fees shall be determined by the following the "Good" or "Average" construction valuation, as designated in the latest Building Valuation Data Chart, with Florida as the regional modifier, as such data has been compiled by the Southern Standard Building Code Congress International, Inc., and published annually in the Southern Building magazine. "Good" or "Average" valuations shall be used by the city building official as defined in the notes to the Building Valuation Data Chart. A copy of such current chart shall be on file at all times in the office of the building official of the city.~~
(Ord. No. 818-97, § 1, 7-7-1997)

~~Sec. 14-72. – Valuation of other work requiring permits.~~

~~The valuation of other work to be performed within the city which requires a building or construction permit shall be provided by the applicant and shall be subject to review and the approval of the city building official in accordance with the latest addition of the Standard Building Code.~~
(Ord. No. 818-97, § 1, 7-7-1997)

~~Sec. 14-73. – Fees, charges.~~

~~The schedule of permit fees, reinspection fees, and all other charges to be imposed for construction in the city shall be set forth by resolution established by the city commission as they may be adopted.~~
(Code 1959, §§ 5-40, 7-18; Ord 818-97, § 1, 7-7-1997)

~~Sec. 14-74. – Refunds of permit fees.~~

~~Refunds of processed building permit fees shall not be issued without the specific approval of the city manager. The city shall retain from the amount of any permit fee to be refunded a charge of \$25.00 to cover administrative costs. Subcontractor permit fees which have been processed shall not be subject to refund.~~
(Ord. No. 818-97, § 1, 7-7-1997)

~~Sec. 14-75. – Reinspection requirements.~~

~~All fees due for any correction notice written for an inspection given pursuant to a permit shall be paid before any further inspections will be made pursuant to such permit. Any correction notice that is written and which has not been corrected within the time specified on the correction notice, or within ten days after the issuance of the correction notice, whichever time is greater, shall be subject to an additional reinspection fee. Any inspection request made to the city building official must be received from the contractor of record for the work to be inspected no later than the close of business the day prior to the requested inspection date.~~

**Ordinance 1363-16
Exhibit "A"**

(Ord. No. 818-97, § 1, 7-7-1997)

Sec. 14-71. Schedule of Permit Fees

Subject to the Florida Building Code, the schedule of fees set forth herein shall be consistently applied to all construction activity and enforcing of the Florida Building Code within the municipal boundaries of the City of Lake Alfred, Florida, and regulated by the Lake Alfred City Charter, Code of Ordinances of the City of Lake Alfred, and the Unified Land Development Code of the City of Lake Alfred. As used herein, the phrase "enforcing the Florida Building Code" shall have the same meaning prescribed by Section 553.80(7)(a), Florida Statutes (July 1, 2014).

In providing the schedule of fees set forth herein, it is the City's intent that said fees, and any fines or investment earnings related to said fees, shall be used solely for carrying out the City's responsibilities in enforcing the Florida Building Code. It is also the City's intent to provide a reasonable fee, for which the total estimated annual revenue derived from said fees, and the fines and investment earnings related to said fees, will not exceed the total estimated annual costs of allowable activities. Notwithstanding the City's intent, in the event the schedule of fees set forth herein results in annual revenues exceeding annual costs, any unexpected balances shall be carried forward to future years for allowable activities

A. BUILDING PERMIT FEES

1. New Construction: \$75 per square foot, or valuation method per Permitting Fee Schedule in Section 14-71 (A)(2) of this code, whichever is greater.
2. Modifications, Alterations, Repairs, etc.: As per Permitting Fee Schedule listed below.

<u>Total Job Valuation</u>	<u>Permit Fee</u>
<u>\$1000 and less</u>	<u>\$30.39</u>
<u>\$1001 to \$50,000</u>	<u>\$30.39 for the first \$1,000 plus \$8.52 for each additional \$1,000 or fraction thereof, up to and including \$50,000.</u>
<u>\$50,001 to \$100,000</u>	<u>\$447.31 for the first \$50,000 plus \$7.30 for each additional \$1,000 or fraction thereof, to and including \$100,000.</u>
<u>\$100,001 to \$500,000</u>	<u>\$751.19 for the first \$100,000 plus \$6.09 for each additional \$1,000 or fraction thereof, to and including \$500,000.</u>
<u>\$500,001 and above</u>	<u>\$3,182.20 for the first \$500,000 plus \$4.86</u>

Ordinance 1363-16
Exhibit "A"

for each additional \$1,000 or fraction thereof.

- B. ELECTRICAL, MECHANICAL, PLUMBING & GAS PERMIT FEES
 - 1. New Construction: (in association with a Building Permit) and Mobile Home Setup Permits: \$91.16 each
 - 2. Modifications, Alterations, Repairs, etc: As per Permitting Fee Schedule listed in Section 14-71 (A)(2) of this chapter
- C. DEMOLITION PERMIT FEE: \$91.16 each
- D. ADMINISTRATION FEE (Applies to all permitting): \$24.31
- E. EDUCATION PERMIT FEE (Applies to all permitting): \$5.79 per permit
- F. ARCHIVAL FEE (Applies to all permitting): \$5.79 per permit
- G. PLANS REVIEW FEE - (NON-REFUNDABLE)
 - 1. Residential: (Single Family Residence) 50% of Permit Fee
 - 2. Commercial: (Multi-family, Commercial, Industrial) 50% of Permit Fee
 - 3. Commercial Fire Plan Review: 25% of Permit Fee

Sec. 14-72 Penalties and fees for reinspections, resubmittals, duplicates, changes and renewals

- A. WORKING WITHOUT A PERMIT PENALTY: Double the total building permit fee or \$91.16, whichever is greater
- B. RE-INSPECTION FEE: for every inspection requested that is not ready by time requested or fails inspection: \$30.39 per occurrence

Subject to Section 553.80(2)(c) of the Florida Statutes (2015), if the City of Lake Alfred's Building Official and/or his designee finds it necessary, in order to enforce compliance with the Florida Building Code, to conduct any inspection after an initial inspection and one subsequent reinspection of any project or activity for the same code violation specifically and continuously noted in each rejection, including, but not limited to, egress, fire protection, structural stability, energy, accessibility, lighting, ventilation, electrical, mechanical, plumbing, and gas systems, or other requirements identified by rule of the Florida Building Commission adopted pursuant to Chapter 120 of the Florida Statutes, the City of Lake Alfred shall impose a fee of four times the amount of the fee imposed for the initial inspection or first reinspection, whichever is greater, for each such subsequent reinspection.

- C. RE-SUBMITTAL FEE: for every additional submission of plans after initial review: 50% of total plan review fee

Ordinance 1363-16
Exhibit "A"

Subject to Section 553.80(2)(b) of the Florida Statutes (2015), if the City of Lake Alfred's Building Official and/or his designee finds it necessary, in order to enforce compliance with the Florida Building Code and issue a permit, to reject design documents required by the code three or more times for failure to correct a code violation specifically and continuously noted in each rejection, including, but not limited to, egress, fire protection, structural stability, energy, accessibility, lighting, ventilation, electrical, mechanical, plumbing, and gas systems, or other requirements identified by rule of the Florida Building Commission adopted pursuant to Chapter 120 of the Florida Statutes, the City of Lake Alfred shall impose, each time after the third such review the plans are rejected for that code violation, a fee of four times the amount of the proportion of the permit fee attributed to plans review.

- D. DUPLICATES: Standard copies of any permit documentation shall be charged according to the City's public records schedule
- E. CHANGES: for changes to permit after issuances, including changing contractors, revising work description, etc.: \$24.31
- F. RENEWAL: For every permit requested to be renewed for an additional 180 days, pursuant to the Florida Building Code: 50% of total building permit fee

Sec. 14-74 Automatic increase of fees

In order to maintain the department level of service and as authorized by Florida Law, all permit fees set forth above shall be automatically increased by 5% every two (2) years beginning October 1, 2016. A current schedule of permit fees set forth in this Ordinance shall be on file with the City Clerk's Office.

Sec. 14-7675. Lien searches and other related lien reports.

(a) This section establishes a minimum \$25.00 fee for lien searches and other related lien reports and a fee schedule as follows:

- Same day of request\$40.00
- Within one working day of request\$30.00
- Within three working days of request\$25.00

(b) The provisions of this section shall allow for the established fees set forth above to be applicable upon written request of lien searches or reports received by the City of Lake Alfred.

(c) A lien search certificate is herein defined as a document issued by the City of Lake Alfred which sets forth any and all liens against a particular piece of property as disclosed by a search of the city lien docket and the amount of said liens.

(Lien Search fees previously established Ord 1277-10, August 16, 2010)

Building Valuation Data – AUGUST 2015

The International Code Council is pleased to provide the following Building Valuation Data (BVD) for its members. The BVD will be updated at six-month intervals, with the next update in February 2016. ICC strongly recommends that all jurisdictions and other interested parties actively evaluate and assess the impact of this BVD table before utilizing it in their current code enforcement related activities.

The BVD table provides the “average” construction costs per square foot, which can be used in determining permit fees for a jurisdiction. Permit fee schedules are addressed in Section 109.2 of the 2015 *International Building Code* (IBC) whereas Section 109.3 addresses building permit valuations. The permit fees can be established by using the BVD table and a Permit Fee Multiplier, which is based on the total construction value within the jurisdiction for the past year. The Square Foot Construction Cost table presents factors that reflect relative value of one construction classification/occupancy group to another so that more expensive construction is assessed greater permit fees than less expensive construction.

ICC has developed this data to aid jurisdictions in determining permit fees. It is important to note that while this BVD table does determine an estimated value of a building (i.e., Gross Area x Square Foot Construction Cost), this data is only intended to assist jurisdictions in determining their permit fees. This data table is not intended to be used as an estimating guide because the data only reflects average costs and is not representative of specific construction.

This degree of precision is sufficient for the intended purpose, which is to help establish permit fees so as to fund code compliance activities. This BVD table provides jurisdictions with a simplified way to determine the estimated value of a building that does not rely on the permit applicant to determine the cost of construction. Therefore, the bidding process for a particular job and other associated factors do not affect the value of a building for determining the permit fee. Whether a specific project is bid at a cost above or below the computed value of construction does not affect the permit fee because the cost of related code enforcement activities is not directly affected by the bid process and results.

Building Valuation

The following building valuation data represents average valuations for most buildings. In conjunction with IBC Section 109.3, this data is offered as an aid for the building official to determine if the permit valuation is underestimated. Again it should be noted that, when using this data, these are “average” costs based on typical construction methods for each occupancy group and type of construction. The average costs include foundation work, structural and nonstructural

building components, electrical, plumbing, mechanical and interior finish material. The data is a national average and does not take into account any regional cost differences. As such, the use of Regional Cost Modifiers is subject to the authority having jurisdiction.

Permit Fee Multiplier

Determine the Permit Fee Multiplier:

1. Based on historical records, determine the total annual construction value which has occurred within the jurisdiction for the past year.
2. Determine the percentage (%) of the building department budget expected to be provided by building permit revenue.
- 3.

$$\text{Permit Fee Multiplier} = \frac{\text{Bldg. Dept. Budget} \times (\%)}{\text{Total Annual Construction Value}}$$

Example

The building department operates on a \$300,000 budget, and it expects to cover 75 percent of that from building permit fees. The total annual construction value which occurred within the jurisdiction in the previous year is \$30,000,000.

$$\text{Permit Fee Multiplier} = \frac{\$300,000 \times 75\%}{\$30,000,000} = 0.0075$$

Permit Fee

The permit fee is determined using the building gross area, the Square Foot Construction Cost and the Permit Fee Multiplier.

$$\text{Permit Fee} = \text{Gross Area} \times \text{Square Foot Construction Cost} \times \text{Permit Fee Multiplier}$$

Example

Type of Construction: IIB

Area: 1st story = 8,000 sq. ft.
2nd story = 8,000 sq. ft.

Height: 2 stories

Permit Fee Multiplier = 0.0075

Use Group: B

1. Gross area:
Business = 2 stories x 8,000 sq. ft. = 16,000 sq. ft.
2. Square Foot Construction Cost:
B/IIB = \$161.88/sq. ft. Permit Fee:
Business = 16,000 sq. ft. x \$161.88/sq. ft x 0.0075
= \$19,426

Important Points

- The BVD is not intended to apply to alterations or repairs to existing buildings. Because the scope of alterations or repairs to an existing building varies so greatly, the Square Foot Construction Costs table does not reflect accurate values for that purpose. However, the Square Foot Construction Costs table can be used to determine the cost of an addition that is basically a stand-alone building which happens to be attached to an existing building. In the case of such additions, the only alterations to the existing building would involve the attachment of the addition to the existing building and the openings between the addition and the existing building.
- For purposes of establishing the Permit Fee Multiplier, the estimated total annual construction value for a given time period (1 year) is the sum of each building's value (Gross Area x Square Foot Construction Cost) for that time period (e.g., 1 year).
- The Square Foot Construction Cost does not include the price of the land on which the building is built. The Square Foot Construction Cost takes into account everything from foundation work to the roof structure and coverings but does not include the price of the land. The cost of the land does not affect the cost of related code enforcement activities and is not included in the Square Foot Construction Cost.

Square Foot Construction Costs^{a, b, c, d}

Group (2012 International Building Code)	IA	IB	IIA	IIB	IIIA	IIIB	IV	VA	VB
A-1 Assembly, theaters, with stage	229.03	221.51	216.10	207.06	194.68	189.07	200.10	177.95	171.21
A-1 Assembly, theaters, without stage	209.87	202.35	196.94	187.90	175.62	170.01	180.94	158.89	152.15
A-2 Assembly, nightclubs	177.89	172.85	168.07	161.49	151.98	147.78	155.80	137.68	132.99
A-2 Assembly, restaurants, bars, banquet halls	176.89	171.85	166.07	160.49	149.98	146.78	154.80	135.68	131.99
A-3 Assembly, churches	211.95	204.43	199.02	189.98	177.95	172.34	183.02	161.22	154.48
A-3 Assembly, general, community halls, libraries, museums	176.88	169.36	162.95	154.91	141.73	137.12	147.95	125.00	119.26
A-4 Assembly, arenas	208.87	201.35	194.94	186.90	173.62	169.01	179.94	156.89	151.15
B Business	182.89	176.17	170.32	161.88	147.55	142.00	155.49	129.49	123.76
E Educational	192.29	185.47	180.15	172.12	160.72	152.55	166.18	140.46	136.18
F-1 Factory and industrial, moderate hazard	108.98	103.99	97.83	94.17	84.37	80.56	90.16	69.50	65.44
F-2 Factory and industrial, low hazard	107.98	102.99	97.83	93.17	84.37	79.56	89.16	69.50	64.44
H-1 High Hazard, explosives	102.01	97.02	91.86	87.20	78.60	73.79	83.19	63.73	N.P.
H234 High Hazard	102.01	97.02	91.86	87.20	78.60	73.79	83.19	63.73	58.67
H-5 HPM	182.89	176.17	170.32	161.88	147.55	142.00	155.49	129.49	123.76
I-1 Institutional, supervised environment	182.53	175.88	170.97	162.73	150.55	146.48	162.73	135.02	130.72
I-2 Institutional, hospitals	308.50	301.79	295.93	287.50	272.14	N.P.	281.10	254.09	N.P.
I-2 Institutional, nursing homes	213.56	206.85	200.99	192.56	179.22	N.P.	186.16	161.17	N.P.
I-3 Institutional, restrained	208.37	201.66	195.80	187.37	174.54	167.98	180.97	156.48	148.74
I-4 Institutional, day care facilities	182.53	175.88	170.97	162.73	150.55	146.48	162.73	135.02	130.72
M Mercantile	132.61	127.57	121.79	116.21	106.35	103.15	110.52	92.05	88.36
R-1 Residential, hotels	184.11	177.46	172.55	164.31	152.38	148.31	164.31	136.85	132.55
R-2 Residential, multiple family	154.38	147.73	142.82	134.58	123.25	119.18	134.58	107.72	103.42
R-3 Residential, one- and two-family	143.93	139.97	136.51	132.83	127.95	124.61	130.57	119.73	112.65
R-4 Residential, care/assisted living facilities	182.53	175.88	170.97	162.73	150.55	146.48	162.73	135.02	130.72
S-1 Storage, moderate hazard	101.01	96.02	89.86	86.20	76.60	72.79	82.19	61.73	57.67
S-2 Storage, low hazard	100.01	95.02	89.86	85.20	76.60	71.79	81.19	61.73	56.67
U Utility, miscellaneous	77.82	73.48	69.04	65.52	59.23	55.31	62.58	46.83	44.63

- Private Garages use Utility, miscellaneous
- Unfinished basements (all use group) = \$15.00 per sq. ft.
- For shell only buildings deduct 20 percent
- N.P. = not permitted

**LAKE ALFRED CITY COMMISSION MEETING
FEBRUARY 15, 2016**

2.) RETIREMENT BOARD APPOINTMENTS

ISSUE: The City Commission will consider new appointments and reappointments to both the General Employee's Retirement Board and Police/Fire Retirement Board.

ATTACHMENTS:

- Volunteer letter from Valerie Ferrell

ANALYSIS: The City maintains two separate pension boards that serve as the board of trustees for the public safety and general employee pension funds. All Board members serve for three (3) year terms and the retirement boards have the following terms up for appointment:

General Employee's Retirement Board Members:

The Lake Alfred General Employee's Retirement Board is a 7-member group, with three employee-elected positions, three City Commission-appointed residents, and one at-large member that could be either resident or employee appointed by the Board.

There are two open positions this year: the employee elected position for which Jessica Nevins was elected to fill; and a resident position for which Valerie Ferrell has submitted a letter requesting appointment to this position.

Police/Fire Retirement Board

The Police/Fire Retirement Board is made up of five board members. Two of the board members must be legal residents of the City and are appointed by the City Commission; a police officer and a firefighter that are participating in the retirement plan are required to sit on the board; the fifth member is chosen by the a majority of the previous four members.

There are three open positions this year: the police officer position which is currently held by Chief Art Bodenheimer; the firefighter position is currently held by Chris Costine, and the commission appointed position which is currently being held by Miguel Lopez. All three have agreed to continue on the Board.

STAFF RECOMMENDATION:

1. Appoint Valerie Ferrell as a resident member of the General Employee's Retirement Board.
2. Approve the reappointments for the Police/Fire Retirement Board.

January 25, 2015

Honorable Mayor and Commissioners
c/o Ameer Baily, City Clerk

RE: Lake Alfred General Employee's Retirement Board

Dear Mayor and Commissioners:

I hereby respectfully submit my request to serve as a resident appointed member of the Lake Alfred General Employee's Retirement Board.

I currently have 15-years of experience working in different positions with the City of Lake Alfred, including City Clerk, Assistant to the City Manager and Community Development Director. This diverse work experience has been beneficial in understanding many elements that impact the City's financial position as well providing employee benefits. As a citizen of Lake Alfred, I also understand the importance of maintaining City services while keeping costs low to taxpayers.

My current position on the General Employee's Retirement Board is an elected employee position. First elected in 2012, I have been active on the Board serving previously as Chair and most recently as Secretary. The Board currently has both an elected employee position available *and* an appointed resident position. In order to provide an opportunity for an additional employee to serve on the board, I am requesting the City Commission approve my appointment as a resident to continue serving on the Board.

Respectfully,



Valerie Ferrell
630 E. Sanford Street
Lake Alfred, FL 33850

**LAKE ALFRED CITY COMMISSION MEETING
FEBRUARY 15, 2016**

3.) PURCHASE: HIGH SERVICE WATER PUMPS

ISSUE: The City Commission will consider the purchase of high service pumps for the Water Treatment Plant.

ATTACHMENTS:

- American Marsh Pumps Quote

ANALYSIS: The City's main water plant utilizes three high service pumps in its operation to pump groundwater into the treatment plant for distribution through the utility system. The three pumps are 30+ years old and have been identified in the approved capital budget for refurbishment. Funding in the amount of \$30,000 has been set aside in the current fiscal year and in FY 17/18 for the refurbishment of two of the pumps with an anticipated additional \$30,000 to be included in a future capital year for the third pump. Price estimates for budgeting purposes were based upon contact with Water Resources Technology, a company that had previously done work on the pumps for the City.

In soliciting bids for the project, city staff determined that significant cost savings could be achieved by purchasing new pumps directly from the manufacturer and performing the installation in house instead of hiring a company to refurbish the existing pumps. The City can buy three new pumps directly from the manufacturer for a total cost of approximately \$25,000 and estimates the in house installation cost at approximately \$5,000 per pump for a total installation cost of \$15,000 (includes electrician connecting the pumps). The total project cost of approximately \$40,000 represents a \$50,000 cost savings from the original estimate of \$90,000 for the three pumps.

STAFF RECOMMENDATION: Purchase three high service pumps from American Marsh Pumps for \$24,938.40.

Quotation

14 Dec 2015

Attn: John Deaton
E-mail: Lake Alfred Split Case Pump Quote

Quotation number: 402000
Revision:

Project:
Your reference:

We thank you for your above referenced inquiry, and are pleased to submit our quotation for your consideration.

Please see the next page for a summary of our offer. Full details can be found in subsequent pages.

quoting (3) standard construction 5x6-15 HD split case pumps with base & motor. assembled complete in factory.

6-8 week lead time from PO acceptance date

We hope you find our quotation in line with your requirements. However, if you have any questions, please do not hesitate to contact us.

Sincerely,

Tim Pruitt
Application Engineer
American-Marsh Pumps
Email: jamie.creed@american-marsh.com
Phone: 901-860-2300

Quotation Summary

The following is a price summary for this quotation. Please see item specific pages for more details.

Item number	Service	Size	Unit Price	Qty	Extended Price
001		5x6-15 HD	\$ 8,312.80	3	\$ 24,938.40
Grand Total					\$ 24,938.40

SCOPE OF SUPPLY: Only the material detailed in this quotation is being offered. No assumption should be made that anything not specifically defined is included.

VALIDITY: This quotation is valid for 30 days.

PRICE: The price quoted is for all items purchased at one time. Partial orders may be subject to a price adjustment.

PAYMENT TERMS: Other, see above.

FREIGHT: Please see individual item price sheets.

PACKAGING: Please see individual item price sheets.

SHIPMENT: Approximately 6-8 weeks after our acceptance of your written purchase order.

WARRANTY: 12 months from commissioning or 18 months from shipment whichever is the sooner.

START-UP: Not included.

EXPORT CONTROL: The commodities, technology or software in this Quotation are subject to the U.S. Export Administration Regulations (EAR). Exporting from the United States may require an export license. Diversion of these items contrary to U.S. law is prohibited. Please contact us if you have any questions.

TERMS AND CONDITIONS: Our standard terms and conditions are attached.



Customer :
Reference :

Item number	001	Size / Stages	5x6-15 HD / 1
Quote number	402000	Pump speed	1760 rpm

Totals

Grand Total	\$ 24,938.40	Lead Time Total	N/A
Pump Total	\$ 15,264.00		
Motor Total	\$ 9,674.40		

Pump

Qty	Description	Average Unit Price	Extended Price
3	5x6-15 HD	\$ 5,088.00	\$ 15,264.00
	Horizontal Split Case Product		
	Configuration Options: Complete Pump		
	Pump Details		
	Pump Orientation: Horizontal		
	Pump Rotation: Right Hand Rotation - Standard		
3	Casing/Rear Cover Material: Cast Iron		
3	Impeller Material: Bronze		
	Impeller Type: Double Suction		
3	Shaft Material: 416/420SS Shaft		
3	Shaft Sleeve Material: Bronze (Std)		
3	Case Wear Ring Material: Bronze Case Wear Ring		
	Impeller Wear Ring Material: Not Provided		
3	Flanges: 125# FF (Suction and Discharge)		
	Double Extended Shaft: Not Provided		
	Sealing Details		
	Sealing Type: Packed		
3	Seal: John Crane 1345 packing		
	External Flush / Separators / Connections		
	External Flush: None		
	Bearing Related Options		
3	Lube Construction Options: Grease Lubricated Bearings		
3	Bearing Housing Isolators: Standard Arrangement		
	Coupling Details		
	Coupling Type: Non-Spacer		
3	Coupling: Falk Type 20R10		
	Connection Size: Pump- 1.625 x Motor- 2.375		
	Base Assembly Details		
3	Baseplate: Non-Drip Rim		
3	Coupling Guard: Steel		
	Coating Detail		
	Pump Coating Options		
	OD of Pump Standard Coated (AMP Red)		
	No Special Coating of ID of Pump		
	No Special Coating of Impeller		
	Base Coating Options: Standard Coating (Black)		
	Testing		
	Pump Performance Test: Performance Test - NO		



Customer :
Reference :

Pump

Qty	Description	Average Unit Price	Extended Price
	Performance Test Options: Vibration Test - NO Performance Test Options: Sound Test - NO Performance Test Options: NPSHr Test - NO Hydrostatic Testing: Pump Hydrostatic Test - NO Engineering and Other General Options Spare Parts Spare Parts: No Spare Parts Provided Engineering Options Mil Certs: Material Certifications Required - NO Non Destructive Testing: Non-Destructive Testing Required - NO Standard O&M Manuals (6 copies) Special Engineering Drawings - NO Special Services / Warranty Options Expedite Fees: Expedite Order Delivery - NO Field Service: Field Service / Start-up Services Required - NO Warranty: Standard Manufacturers Warranty Freight / Shipping Charges: No Freight and/or Shipping Charges Included		

Motor

Qty	Description	Average Unit Price	Extended Price
3	Horizontal Split Case Product	\$ 3,224.80	\$ 9,674.40
	Motor Details		
3	Motor: 60 HP US Motors @ 1800 RPM, 1.15 SF, 3 Ph, 60 Hz, 200 Volts, 364T Frame, TEFC Enclosure, Cast Iron Frame, Catalog # H60P2H - Hostile Duty		

Item number	001	Size / Stages	5x6-15 HD / 1
Quote number	402000	Pump speed	1760 rpm

Pump

Qty Description

3 5x6-15 HD

Horizontal Split Case Product

Configuration Options: Complete Pump

Pump Details

Pump Orientation: Horizontal

Pump Rotation: Right Hand Rotation - Standard

Casing/Rear Cover Material: Cast Iron

Impeller Material: Bronze

Impeller Type: Double Suction

Shaft Material: 416/420SS Shaft

Shaft Sleeve Material: Bronze (Std)

Case Wear Ring Material: Bronze Case Wear Ring

Impeller Wear Ring Material: Not Provided

Flanges: 125# FF (Suction and Discharge)

Double Extended Shaft: Not Provided

Sealing Details

Sealing Type: Packed

Seal: John Crane 1345 packing

External Flush / Separators / Connections

External Flush: None

Bearing Related Options

Lube Construction Options: Grease Lubricated Bearings

Bearing Housing Isolators: Standard Arrangement

Coupling Details

Coupling Type: Non-Spacer

Coupling: Falk Type 20R10

Connection Size: Pump- 1.625 x Motor- 2.375

Base Assembly Details

Baseplate: Non-Drip Rim

Coupling Guard: Steel

Coating Detail

Pump Coating Options

OD of Pump Standard Coated (AMP Red)

No Special Coating of ID of Pump

No Special Coating of Impeller

Base Coating Options: Standard Coating (Black)

Testing

Pump Performance Test: Performance Test - NO

Performance Test Options: Vibration Test - NO

Performance Test Options: Sound Test - NO

Performance Test Options: NPSHr Test - NO

Hydrostatic Testing: Pump Hydrostatic Test - NO

Pump

Qty Description

Engineering and Other General Options

Spare Parts

Spare Parts: No Spare Parts Provided

Engineering Options

Mill Certs: Material Certifications Required - NO

Non Destructive Testing: Non-Destructive Testing Required - NO

Standard O&M Manuals (6 copies)

Special Engineering Drawings - NO

Special Services / Warranty Options

Expedite Fees: Expedite Order Delivery - NO

Field Service: Field Service / Start-up Services Required - NO

Warranty: Standard Manufacturers Warranty

Freight / Shipping Charges: No Freight and/or Shipping Charges Included

Motor

Qty Description

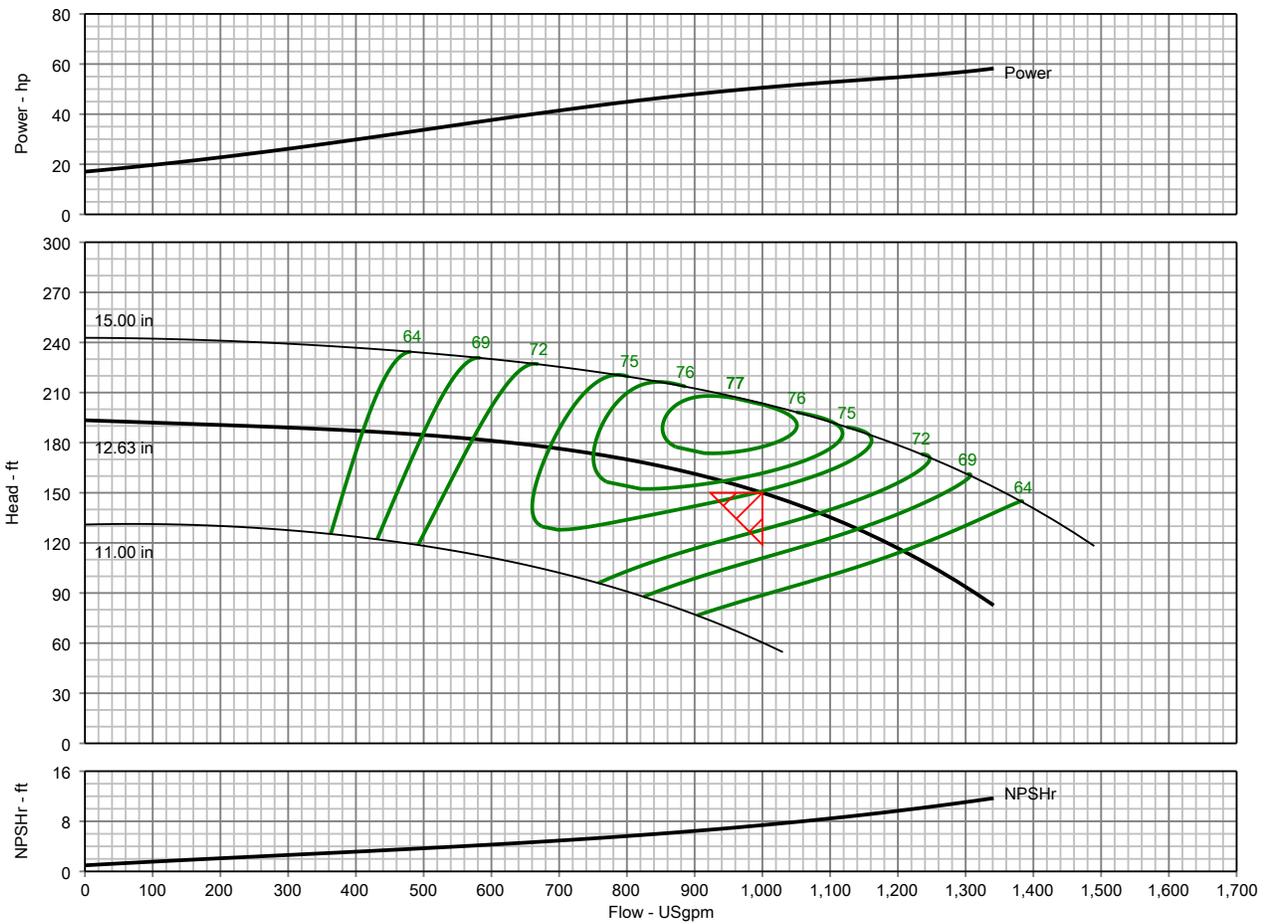
3 **Horizontal Split Case Product**

Motor Details

Motor: 60 HP US Motors @ 1800 RPM, 1.15 SF, 3 Ph, 60 Hz, 200 Volts, 364T Frame, TEFC Enclosure, Cast Iron Frame, Catalog # H60P2H
- Hostile Duty

Item number	: 001	Size	: 5x6-15 HD
Service	:	Stages	: 1
Quantity	: 3	Based on curve number	: 5x6-15 HD
Quote number	: 402000	Date last saved	: 14 Dec 2015 10:00 AM

Operating Conditions		Liquid	
Flow, rated	: 1,000.0 USgpm	Liquid type	: Water
Differential head / pressure, rated (requested)	: 150.0 ft	Additional liquid description	:
Differential head / pressure, rated (actual)	: 150.4 ft	Solids diameter, max	: 0.00 in
Suction pressure, rated / max	: 0.00 / 0.00 psi.g	Solids concentration, by volume	: 0.00 %
NPSH available, rated	: Ample	Temperature, max	: 68.00 deg F
Frequency	: 60 Hz	Fluid density, rated / max	: 1.000 / 1.000 SG
Performance		Material	
Speed, rated	: 1760 rpm	Material selected	: Cast Iron Bronze Fitted
Impeller diameter, rated	: 12.63 in	Pressure Data	
Impeller diameter, maximum	: 15.00 in	Maximum working pressure	: 83.71 psi.g
Impeller diameter, minimum	: 11.00 in	Maximum allowable working pressure	: 200.0 psi.g
Efficiency	: 74.90 %	Maximum allowable suction pressure	: N/A
NPSH required / margin required	: 7.39 / 0.50 ft	Hydrostatic test pressure	: 300.0 psi.g
Ns (total flow) / Nss (imp. eye flow)	: 1,006 / 8,920 US Units	Driver & Power Data	
MCSF	: -	Driver sizing specification	: Maximum power
Head, maximum, rated diameter	: 193.4 ft	Margin over specification	: 0.00 %
Head rise to shutoff	: 28.95 %	Service factor	: 1.15
Flow, best eff. point	: 849.3 USgpm	Power, hydraulic	: 37.87 hp
Flow ratio, rated / BEP	: 117.75 %	Power, rated	: 50.56 hp
Diameter ratio (rated / max)	: 84.17 %	Power, maximum, rated diameter	: 58.23 hp
Head ratio (rated dia / max dia)	: 73.70 %	Minimum recommended motor rating	: 60.00 hp / 44.74 kW
Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00		
Selection status	: Acceptable		

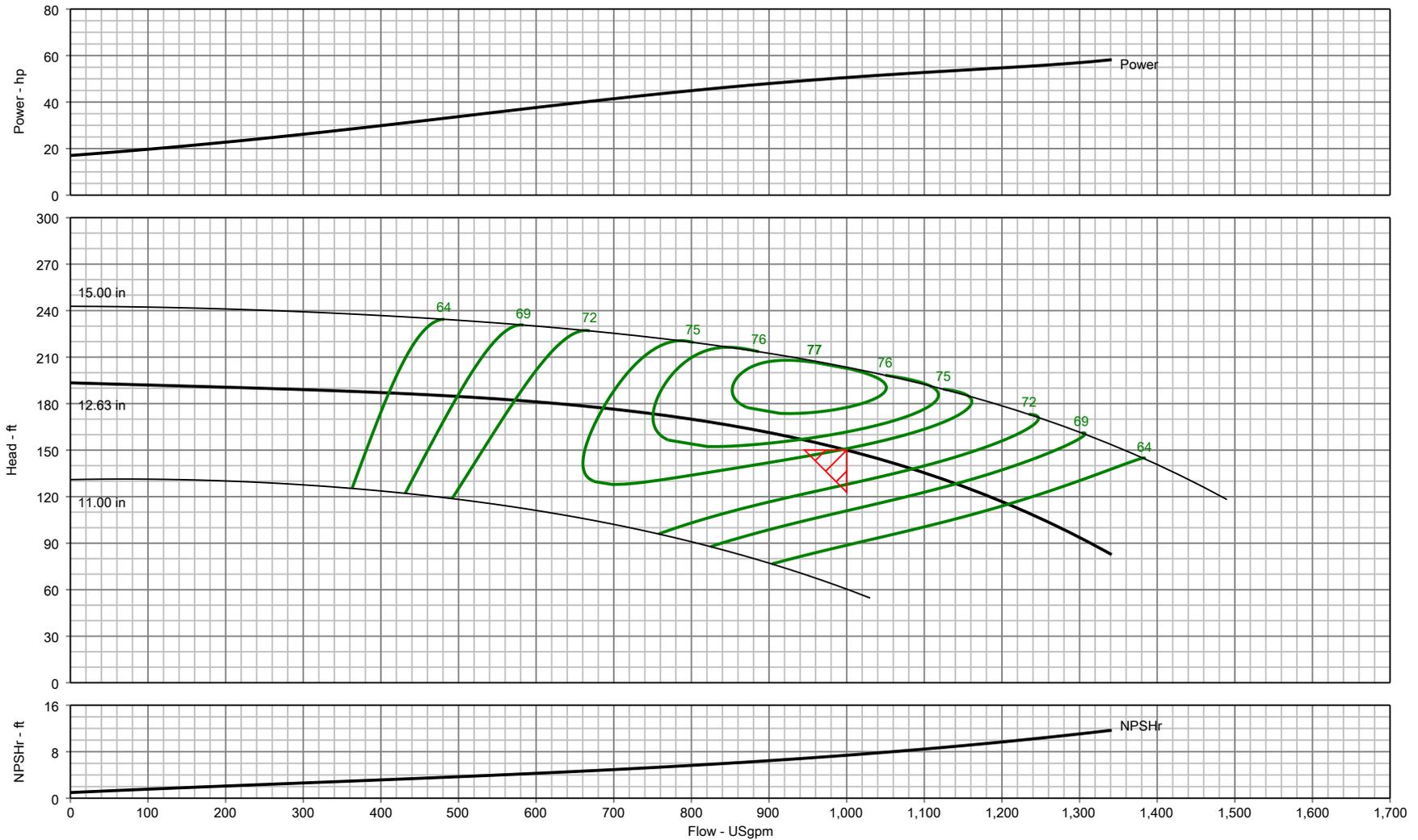




Customer :
Reference :

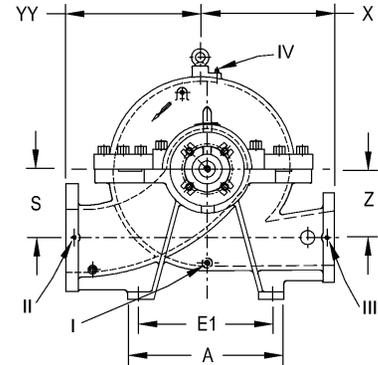
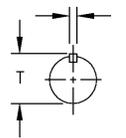
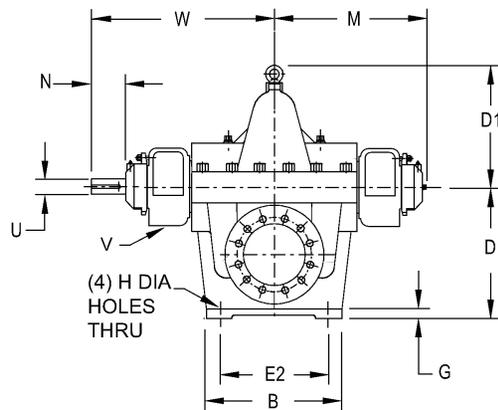
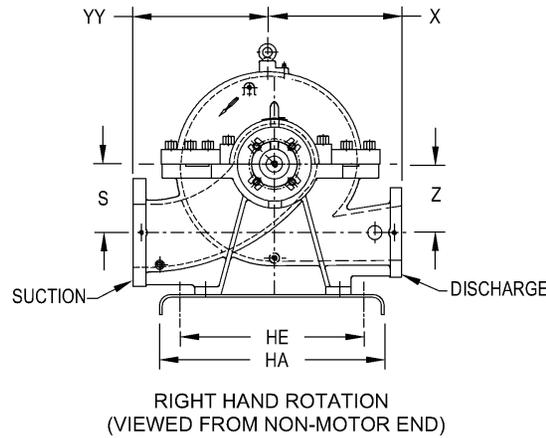
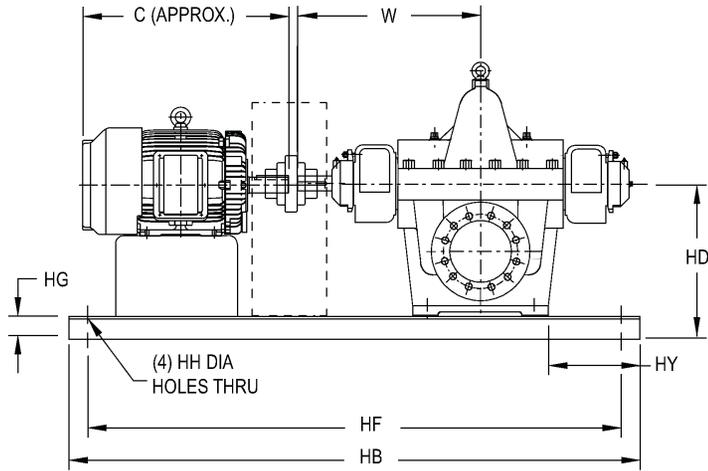
Pump Performance Curve

American-Marsh Pumps Quotation System 15.5.3.0



Item number	: 001	Size	: 5x6-15 HD	Flow, rated	: 1,000.0 USGpm
Service	:	Stages	: 1	Differential head / pressure, rated	: 150.0 ft
Quantity	: 3	Speed, rated	: 1760 rpm	NPSH required	: 7.39 ft
Quote number	: 402000	Based on curve number	: 5x6-15 HD	Fluid density, rated / max	: 1.000 / 1.000 SG
Date last saved	: 14 Dec 2015 10:00 AM	Efficiency	: 74.90 %	Viscosity	: 1.00 cP
		Power, rated	: 50.56 hp	Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00

GENERAL ARRANGEMENT DRAWINGS



NOTES
All Dimensions Are In inches ± 0.38 in
Not For Construction Unless Certified By Engineering

Base	Base WT	HA	HB	HD	HE	HF	HG	HH	HY
268	360.0	26.00	68.00	20.13	19.00	65.50	4.75	1.00	5.00

Model	A	B	C	D	D1	E1	E2	G	H	K	M	N	S	T	U	W	X	YY	Z
5x6-15 HD	17.75	13.00	33.00	15.38	11.69	15.38	10.63	1.00	0.88	0.38	15.69	4.31	8.25	1.81	1.63	20.25	13.81	15.75	8.25

HORIZONTAL SPLIT CASE PUMP
340 SERIES HD
COMPLETE PUMP

PUMP DATA			
Casing Matl	Cast Iron	Shaft Matl	416/420SS Shaft
Impeller Matl	Bronze	Sleeve Matl	Bronze
Disc. Position	-	RPM	1760 rpm
Pump WT	694.0 lb	Est. Shipping WT	1,919.0 lb

GENERAL DATA			
Flow	1,000.0 USgpm	Head	150.0 ft
Liquid	Water		
Liquid Temp	68.00 deg F	SG	1.000 SG
Viscosity	1.00 cP		

MECHANICAL SEAL DATA			
Mfr	John Crane	Type	1345 Packing
Size	-	API Code	None

COUPLING DATA			
Mfr	Falk	Type	Non-Spacer
Size	20R10	Cplg Guard By	-
Matl	-		

MOTOR DATA			
Mfr	US Motors	Frame	364T
Pump Pwr Max	58.23 hp	Pump Pwr Rated	50.56 hp
Enclosure	TEFC	RPM	1800
Rotation	-	Phase	3
Cycles	60	HP	60
Motor WT	865.0 lb	Volts	200

PUMP FLANGES			
Flange	Size	Rating (ANSI)	Facing
Suction	6.00 in	125#	FF
Discharge	5.00 in	125#	FF

TAP CONNECTION	
I	Casing Drain Connection (1/2"-14NPT)
II	Discharge Nozzle Connection (1/4"-18 NPT)
III	Suction Nozzle Connection (1/4"-18 NPT)
IV	Casing Vent (1/4"-18 NPT)
V	Stuffing Box Drain (1/4"-18NPT)
VI	-

CERTIFICATION CONTENT	
Customer	
Service	-
Date	26 Jan 2015 11:39 AM
P.O. Number	-
Item Number	001
Certified For	-
Certified By	-



WARNING
DO NOT OPERATE THIS MACHINE WITHOUT PROTECTIVE GUARD IN PLACE. ANY OPERATION OF THIS MACHINE WITHOUT PROTECTIVE GUARD CAN RESULT IN SEVERE BODILY INJURY

5x6-15 HD