

**KENSINGTON FIRE PROTECTION DISTRICT
AGENDA OF A MEETING OF THE
BOARD OF DIRECTORS**

Date of Meeting: December 12, 2018
Time of Public Meeting: 7:00 p.m.
Place of Meeting: **Kensington Public Safety Building**
217Arlington Avenue, Kensington, CA 94707

Please Note: Copies of the agenda bills and other written documentation relating to each item of business referred to on the agenda are on file in the office of the Kensington Fire Protection District Administration Office, 217 Arlington Avenue, Kensington, and are available for public inspection. A copy of the Board of Directors packet can be viewed on the internet at www.kensingtonfire.org/meetings.

In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting, please contact the Manager, 510/527-8395. Notification 48 hours prior to the meeting will enable the Kensington Fire Protection District to make reasonable arrangements to ensure accessibility to this meeting (28 CFR 35.102-35.104 ADA Title 1).

Pursuant to Government Code §54953(b), this meeting will include a teleconference location at The Grand Hyatt Washington, Room 1145, 1000 H Street NW, Washington DC 20001. Vice President Laurence Nagel will be attending the Regular Meeting via teleconference. The public shall have the opportunity to address the Board of Directors at this teleconference location pursuant to Government Code Section §54954.3. All votes during the teleconferencing session will be conducted by roll call vote. The teleconference location is accessible to the public and the agenda will be posted at the teleconference location 72 hours before the meeting.

7:00 p.m.

CALL TO ORDER

Directors: Dom Dommer, Janice Kosel, Laurence Nagel, Kevin Padian and Julie Stein

1. **OATH OF OFFICE** for Directors Janice Kosel, Kevin Padian and Julie Stein
2. **BOARD RECOGNITION** of KARO/ECHO/CERT Volunteers **Hal Graboske and Don Simon**
3. **ADOPTION OF CONSENT ITEMS.** Items 5, 6, 7, 8 & 9

All matters listed with the notation "CC" are consent items, which are considered to be routine by the Board of Directors and will be enacted by one motion. The Board of Directors has received and considered reports and recommendations prior to assigning consent item designations to the various items. Copies of the reports are on file in the Fire Protection District Administrative Office at 217 Arlington Avenue and are available to the public. The disposition of the item is indicated. There will be no separate discussion of consent items. If discussion is requested for an item, that item will be removed from the list of consent items and considered separately on the agenda. PLEASE NOTE: Public review copy of the agenda packet is available at the Directors' table at the Board meetings.

4. **ORAL COMMUNICATIONS.** (This place on the agenda is reserved for comments and inquiries from citizens and Board members concerning matters that do not otherwise appear on the agenda. Speakers shall be requested to provide their names and addresses prior to giving public comments or making inquiries.)
- CC 5. **APPROVAL OF THE MINUTES.** Approval of the minutes of the regular meeting of October 10, 2018 (APPROVE)

- CC 6. **APPROVAL OF MONTHLY FINANCIAL REPORT.** October/November 2018 (APPROVE)
- CC 7. **APPROVAL OF MONTHLY TRANSMITTAL #6.** December 2018 (APPROVE)
- CC 8. **ACCEPTANCE OF INCIDENT ACTIVITY REPORT.** October 2018 (ACCEPT)
- CC 9. **ACCEPTANCE OF INCIDENT ACTIVITY REPORT.** November 2018 (ACCEPT)
10. **FIRE CHIEF'S REPORT**
a. Review of operations.
b. Regional issues and developments.
11. **PRESIDENT'S REPORT**
- NEW BUSINESS**
12. Request from KPPCSD to fund Fire Alarm for Community Center Remodel (ACTION)
13. Draft Construction Documents for Kensington Park Fire Demonstration Garden – Direction from Board (ACTION)
14. Third Contract Amendment to Agreement for Services By and Between the Kensington Fire Protection District and the City of El Cerrito (ACTION)
15. Discussion of Early Warning Systems and Evacuation Routes –Direction from Board (ACTION)
16. Election of Officers for Calendar Year 2019 (ACTION)
a. President
b. Vice President
c. Secretary
17. **BOARD REPORTS**
Informational reports from Board members or staff covering the following assignments:
a. Finance Committee (Kosel):
b. Public Safety Building (Dommer/Nagel):
c. Education (Kosel):
d. Contra Costa County/California Special Districts Assoc. (Nagel/Kosel):
e. Diablo Fire Safe Council/Interface (Staff):
f. Correspondence: Washington Post Article from 11/30/18

ADJOURNMENT. The next regular meeting of the Board of Directors of the Kensington Fire Protection District will be held on Wednesday, January 9, 2019, at 7:00 p.m. at the Kensington Public Safety Building, 217 Arlington Avenue, Kensington, CA 94707.

The deadline for agenda items to be included in the Board packet for the next regular meeting of 1/9/19 is Wednesday, 12/26/18 by 1:00 p.m. The deadline for agenda-related materials to be included in the Board packet is Wednesday, 1/2/19 by 1:00 p.m., Fire Protection District Administration Office, 217 Arlington Ave., Kensington.

IF YOU CHALLENGE A DECISION OF THE BOARD OF DIRECTORS IN COURT, YOU MAY BE LIMITED TO RAISING ONLY THOSE ISSUES YOU OR SOMEONE ELSE RAISED AT THE BOARD MEETING OR IN WRITTEN CORRESPONDENCE DELIVERED AT, OR PRIOR TO, THE BOARD MEETING

OATH OF OFFICE

Oath of Office

State of California }
County of Contra Costa } ss.

For the office of Director
Kensington Fire Protection District

I, Janice Kosel

do solemnly swear (or affirm) that I will support and defend the Constitution of the United States and the Constitution of the State of California against all enemies, foreign and domestic; that I will bear true faith and allegiance to the Constitution of the United States and the Constitution of the State of California; that I take this obligation freely, without any mental reservation or purpose of evasion; and that I will well and faithfully discharge the duties upon which I am about to enter.

Subscribed and sworn to before me, this 12th day of, December, 2018.

Signature of Person Adminstrating Oath

Title

Oath of Office

State of California }
County of Contra Costa } ss.

For the office of Director
Kensington Fire Protection District

I, Kevin Padian

do solemnly swear (or affirm) that I will support and defend the Constitution of the United States and the Constitution of the State of California against all enemies, foreign and domestic; that I will bear true faith and allegiance to the Constitution of the United States and the Constitution of the State of California; that I take this obligation freely, without any mental reservation or purpose of evasion; and that I will well and faithfully discharge the duties upon which I am about to enter.

Subscribed and sworn to before me, this 12th day of, December, 20 18.

Signature of Person Adminstrating Oath

Title

Oath of Office

State of California }
County of Contra Costa } ss.

For the office of Director
Keasington Fire Protection District

I, Julie Stein

do solemnly swear (or affirm) that I will support and defend the Constitution of the United States and the Constitution of the State of California against all enemies, foreign and domestic; that I will bear true faith and allegiance to the Constitution of the United States and the Constitution of the State of California; that I take this obligation freely, without any mental reservation or purpose of evasion; and that I will well and faithfully discharge the duties upon which I am about to enter.

Subscribed and sworn to before me, this 12th day of, December, 2018.

Signature of Person Adminstrating Oath

Title

CONSENT CALENDAR

**MINUTES OF THE OCTOBER 10, 2018 MEETING OF THE BOARD OF DIRECTORS
OF THE KENSINGTON FIRE PROTECTION DISTRICT**

PRESENT: **Directors:** Joe de Ville, Don Dommer, Nina Harmon, Janice Kosel and Larry Nagel
 Staff: Chief Lance Maples and Manager Brenda Navellier

CALL TO ORDER:

President Kosel called the meeting to order at 6:30 p.m. and announced that all Directors were present. The Board then adjourned to closed session per the posted agenda.

RECONVENE MEETING:

President Kosel reconvened the public meeting at 7:15 p.m. Kosel announced that no reportable action was taken by the Board in closed session.

APPROVAL OF CONSENT ITEMS:

President Kosel called for the approval of the consent calendar (items 3, 4 & 5), consisting of acceptance of incident activity report for September 2018, approval of the August/September 2018 financial reports, and approval of monthly transmittal #4. Anthony Knight asked why the minutes from the previous meeting weren't part of the Consent Calendar? Manager Navellier responded that she had not finished them yet. Director Nagel made a motion to approve the Consent Calendar items as submitted. Director Harmon seconded the motion. The motion passed unanimously.

AYES: de Ville, Dommer, Harmon, Kosel, Nagel
NOES: None
ABSTAIN: None

ORAL COMMUNICATIONS:

President Kosel asked Chief Maples about the fire alarm sirens that Napa has installed in their Sheriff vehicles. Maples responded that he and B/C Pigoni would research that option and get back to the Board. Directors Nagel and de Ville said it is a high/low siren that the police cars are probably already equipped with.

Paul Dorroh asked if there have been any changes in medical response procedures. Dorroh said his neighbor suffered a broken wrist and Kensington police responded and then an ambulance in about 20 minutes. Chief Maples said that the County implemented medical priority dispatch in 2007. If anyone calls 911 for a medical emergency, dispatch questions the patient on problem, signs, symptoms, medical history, etc. It is a national standardized program and is effective for getting resources to the right calls. There has been no change to dispatch procedures though KFPD-ECFD change dispatch centers last year and they use the same accredited program. KFPD engines are staffed with at least one paramedic per shift.

Linnea Due asked why Chief Maples believes that 911 should not have gone to Albany. Maples responded that fire and police services are put together as "op areas" (operational). Contra Costa County is an op area. Alameda County is an op area. It streamlines the system if you are asking for resources within your own op area. There is an inherit delay with calling from a different op area to request resources.

Jim Watt asked who was going to negotiate the contract renewal between El Cerrito and Kensington. President Kosel said that usually goes through the Finance Committee. Watt pointed out that the agreement expires on 6/30/20 and the second amendment calls for negotiations to be initiated as early as 1/1/18 since there is an 18-month termination. Watt said the contract should be renewed by 12/31/18. Kosel agreed with Watt and said she will appoint a committee. Watt said the contract is incomplete and the exhibits are not attached.

Anthony Knight is concerned about Kensington's vulnerability from Wildcat Canyon. He thinks the School Trail would make a good fire break for Kensington. Knight thinks the KFPD Board should adopt a more aggressive stance toward clearing up the fuel in that area. Is there a reason why that would not be effective? Chief Maples responded that the goal is a minimum 100 foot buffer zone. Along the portion of Purdue where the meadow is mowed, there is even more than 100 feet and more is always better. East Bay Regional Park District (EBRPD) is its own jurisdiction and KFPD's authority ends in Kensington. KFPD will continue to try to work with EBRPD, make recommendations and work with the park manager, Patrick McIntyre. McIntyre has reported that with their next round of FEMA grants EBRPD will be working on some specific areas that adjoin Kensington. Maples said that KFPD does encourage, ask and plead with EBRPD to work on their property but that direction needs to come

from EBRPD's governing Board. Knight brought up the washed out road that is part of the school trail. Maples said he has requested it be repaired many times and EBRPD has repeatedly answered that it is not a maintained road, they don't want it as vehicle access and they are not going to fix it. Knight suggested that KFPD could pay to fix the road like KFPD paid for water system improvements. Maples said that EBRPD's response is that is a natural habitat and they don't want the vehicle access and they are not interested in vegetation management further into the park. Director Dommer encouraged Knight to keep bringing up the issue and the Board could be more aggressive on this topic. Knight told a story about visiting a friend where the area was greatly affected by a wildfire.

David Spath noted that a few months ago, KPPCSD Board member, Len Welsh, came before the KFPD Board to request funds for the seismic upgrading of the community center. Welsh has not followed through. Kosel is discussing a proposal with the KPPCSD Board President. Spath pointed out the community center is a designated evacuation shelter.

Vida Dorroh said she loves the beautiful pictures of the demonstration garden that is budgeted at \$50,000 to construct. She suggested that KFPD develop a virtual garden instead and contribute \$50,000 to the community center seismic retrofit. People will tend to gather there in the event of a disaster.

Julie Stein pointed out that the KFPD Board is supposed to convene at the community center in the event of an emergency per the Emergency Operations Plan Annex. It is also an evacuation center and a communications center. She asked if KPPCSD's renovation plan is to upgrade to the essential services standard? Dommer and Harmon said that the community center is not being upgraded to essential services standard. Dommer said KPPCSD will be meeting current building code and it is not an essential facility. Chief Maples said KFPD would use the community center for the Board to meet and also as an evacuation center. If the community center is not available, other sites would be utilized. A fully functional EOC will be run through El Cerrito City Hall which is built to essential services standards. That is a change since the Annex was written.

Kevin Padian said that it seems that the KFPD Board has not been involved in discussions on how to bring the community center up to standard and be used as an evacuation center even though that is KFPD's responsibility. Maples said that B/C Gibson did review the plans for functionality. Gibson recommended a monitored fire alarm and was told one was not being put in. Padian asked what the \$10,000 donation to the previous version of the community center was for? Maples and Harmon said there was no designation—it was to help fund the seismic upgrade. Padian said it is not the Chief's job to interface with EBRPD. Maples said he works with EBRPD probably twice a week. The management he has worked with at EBRPD have been cooperative. Kensington is the first community that interfaces with EBRPD that was allowed to have citizens work on park property. The development of the right-of-entry permit all stemmed from EBRPD's flexibility. Occasionally EBRPD has allowed KFPD to send in contractors to work on their property also. Padian said Sonoma Senator Mike McGuire announced yesterday in a KQED forum that Sonoma will be putting sirens all over the place. Director Nagel said that yesterday on the 5:00 p.m. news, the Sonoma County Sheriff said they will not be installing sirens but will be using car-based sirens instead. Maples said KFPD has not made a decision on whether they want to pursue sirens or not. There is a learning curve on the information that comes out after a disaster. Things need to shake out over the next 12 to 18 months to figure out the best practice standard. NFPA will probably get involved and write regulations for best practices. Padian said Kensington does not have any pre-evacuation plans that he knows of. He asked how emergency vehicles will get up the hills in an evacuation when hundreds of cars will be coming down the hills? Maples said that the fire department personnel understand the geography of the area and are tested on it continually. If they know a specific fire is in a specific area and that area is already evacuating, they will take a different route; however, odds are that evacuation notice will come after the primary engine is on scene. Any strike teams that respond will know that the area is evacuating and will figure out their route through discussions with dispatch centers. Padian said that makes perfect sense but will the knowledge of the geography apply to engines coming from out of the area. Maples said when outside resources go anywhere they rely on their strike team leader and about 90% of all engines have GIS mapping.

David Spath asked how much cooperation is there with the police department and is it sufficient? Maples said more can always be done but evacuation for law enforcement is a standard procedure. Police that respond from Kensington and as part of mutual aid are all trained on evacuation from the inception of getting into law enforcement.

Hal Graboske said that the Kensington community center is not going to be used as a shelter by the CERT groups. It is an assembly area for CERT Area 3. It is not a communication center; it simply has a radio. There are six CERT communication centers in Kensington. An El Cerrito and Kensington city-wide drill was held last Sunday and the person that responded from CERT Area 3 did not use that radio but the one in their house.

Arrietta Chakos asked about the plans to evacuate Kensington Hilltop School. Chief Maples noted that WCCUSD has their own emergency plan and evacuation plan for their entire district and every site on their district.

FIRE CHIEF'S REPORT:

Chief Maples addressed the priority dispatch question earlier and requested the date of the call. Maples will run the call and ensure it was dispatched correctly. Six of the department's personnel participated in an urban shield training exercise last month. The exercise is an all-hazard, all division training exercise that included EMS, CERT groups, fire departments and police departments. ECFD personnel were on Mare Island operating as a USAR team and performed extrication of an individual from a crane that involved an active shooter that was neutralized by the police officers. Members of the department volunteer for this additional training. ECFD writes grants for the training so that it is done at zero cost including the overtime to cover the training. Maples provided a video link to the training. Tonight, all personnel are home and no one is out on a campaign fire. OES went to the Snell Fire on September 8th. That fire was contained at 2,500 acres. B/C Janes went out as a communications manager for the Delta Fire in northern Shasta Co. He spent an extended period of time on this assignment, cloning radios for every agency that responded to that fire. Captain Crumpacker was also assigned to the Delta Fire as a single resource line medic. It was a very remote area and he had to hike in to be stationed with the hand crews. This is a very different assignment compared to being a municipal firefighter. Maples is proud of his personnel—there have been no injuries and no equipment damage on these fires. Director Nagel thanked Maples on behalf of the CERT community for his efforts getting the CERT radio antennas installed at Tassajara Park in B/C Janes absence. Maples said he believes in providing mutual aid but ECFD command staff are still accessible even when on assignment.

PRESIDENT'S REPORT:

President Kosel reported that KFPD will post Kensington Public Safety Council events on its website and on NextDoor if they like. Kosel asked that Navellier post a CSDA high school student video contest on KFPD's website also. Kosel noted that the lease agreement between KFPD and KPPCSD expires on 12/31/18. KPPCSD Director Welsh was appointed to negotiate the lease but he has not responded to KFPD's inquiries. Kosel is now negotiating with KPPCSD President Sherris-Watt and they hope to conclude negotiations within the next month. October is Fire Prevention month and KFPD will be holding its annual open house on Saturday, 10/13/18. The semi-annual shredding event will take place on 10/27/18 and the semi-annual pharmaceutical drop off will also take place on 10/27/18. Director Nagel noted that the Kensington CERT team will also have an information table at the open house to recruit new CERT members. Kosel noted that the annual KCC Parade will take place on Sunday, 10/14/18 and Chief Maples will be the grand marshal.

Vida Dorroh asked if KFPD is going to pay rent for using the community center for its Board meetings in the lease negotiations. President Kosel said that is not part of the negotiations.

BOARD REPORTS:

Finance Committee: The annual audit field work will take place in two weeks. Staff will receive a draft around January to review, it will go to the Finance Committee and then the entire Board probably in February.

Education: The fall *Fire Plug* was included in the packet and includes dates for CERT training (1/7/19) and CPR/First Aid training (10/20 and 11/17). The drone demonstration will take place on Saturday, 11/3 at 10:00 a.m. on the grassy area next to Building E. The demonstration will not take place if raining.

Demonstration Garden: Conceptual plan boards were displayed at the meeting and will be on display at the 10/13/18 open house.

CSDA: The next quarterly meeting will take place on 10/15/18. Nagel will attend.

DFSC: The next meeting will take place in two weeks.

ADJOURNMENT: The meeting was adjourned at 8:19 p.m.

MINUTES PREPARED BY: Brenda J. Navellier

These minutes were approved at the regular Board meeting of the Kensington Fire Protection District on December 12, 2018.

Attest:

Board Secretary

Kensington Fire Protection District
Balance Sheet
As of November 13, 2018

	Nov 13, 18
ASSETS	
Current Assets	
Checking/Savings	
Petty Cash	200.00
KFPD Revolving Acct - Gen Fund	17,148.31
General Fund	691,085.21
Special Tax Fund	6,886.68
Capital Fund	6,806.77
Total Checking/Savings	722,126.97
Accounts Receivable	
Due from County for Reimb.	18,434.01
Accounts Receivable	52,669.01
Interest Receivable	5,479.19
Advance on Taxes	3,879,591.60
Advance on Supplemental Taxes	59,827.33
Total Accounts Receivable	4,016,001.14
Other Current Assets	
Prepaid Services - EC	2,052,619.72
Prepaid CERBT - Retiree Trust	976,043.56
Investments	
Capital Replacement Funds	3,186,299.00
Fire Protect. Contract Reserves	2,826,907.24
Investments - Other	-557,558.33
Total Investments	5,455,647.91
Total Other Current Assets	8,484,311.19
Total Current Assets	13,222,439.30
Fixed Assets	
Land	5,800.00
Equipment	1,444,675.55
Accumulated Depreciation-Equip	-746,405.15
Building and Improvements	2,391,581.26
Accumulated Depreciation - Bldg	-1,000,180.00
Current Capital Outlay	
Firefighters Qtrs/Equip	5,318.05
Total Current Capital Outlay	5,318.05
Total Fixed Assets	2,100,789.71
TOTAL ASSETS	15,323,229.01
LIABILITIES & EQUITY	
Liabilities	
Current Liabilities	
Accounts Payable	
Due to Revolving Acct - Gen Fnd	18,434.01
Due to Other - Issued by CCC	78,342.64
Accounts Payable	1,653.88
Total Accounts Payable	98,430.53
Other Current Liabilities	
EI Cerrito Service Contract Pay	2,052,619.65
Wages & PR Taxes Payable	2,992.32
Total Other Current Liabilities	2,055,611.97
Total Current Liabilities	2,154,042.50
Total Liabilities	2,154,042.50
Equity	

Kensington Fire Protection District
Balance Sheet
As of November 13, 2018

	Nov 13, 18
Fund Equity - General	4,848,934.26
Fund Equity - Capital Projects	1,219,288.00
Fund Equity - Special Revenue	12,769.00
Fund Equity - Gen Fixed Asset	2,403,012.00
Fund Equity	1,836,110.75
Net Income	2,849,072.50
Total Equity	13,169,186.51
TOTAL LIABILITIES & EQUITY	15,323,229.01

**Kensington Fire Protection District
Revenue & Expense Prev Year Comparison**

July 1 through November 13, 2018

	Jul 1 - Nov 13, 18	Jul 1 - Nov 13, 17	\$ Change	% Change
Ordinary Income/Expense				
Income				
Property Taxes	3,804,059.17	3,645,046.42	159,012.75	4.4%
Special Taxes	200,453.30	200,395.20	58.10	0.0%
Lease Agreement	11,822.68	11,822.68	0.00	0.0%
Interest Income	26,681.09	12,410.99	14,270.10	115.0%
Salary Reimbursement Agreement	21,173.56	16,255.23	4,918.33	30.3%
Miscellaneous Income	0.00	1,181.74	-1,181.74	-100.0%
Total Income	4,064,189.80	3,887,112.26	177,077.54	4.6%
Expense				
OUTSIDE PROFESSIONAL SERVICES				
LAFCO Fees	2,278.47	2,122.85	155.62	7.3%
Contra Costa County Expenses	2,522.98	2,711.76	-188.78	-7.0%
El Cerrito Contract Fee	1,026,309.89	942,302.40	84,007.49	8.9%
Fire Abatement Contract	665.00	0.00	665.00	100.0%
Fire Engineer Plan Review	0.00	333.50	-333.50	-100.0%
Risk Management Insurance	12,507.00	13,268.00	-761.00	-5.7%
Professional Fees				
Accounting	225.00	1,056.25	-831.25	-78.7%
Audit	12,500.00	13,000.00	-500.00	-3.9%
Legal Fees	47,619.16	7,133.40	40,485.76	567.6%
Total Professional Fees	60,344.16	21,189.65	39,154.51	184.8%
Website Development/Maintenance	1,000.00	0.00	1,000.00	100.0%
Wildland Vegetation Mgmt	2,500.00	850.00	1,650.00	194.1%
Total OUTSIDE PROFESSIONAL SER...	1,108,127.50	982,778.16	125,349.34	12.8%
RETIREE MEDICAL BENEFITS				
PERS Medical	28,722.76	40,382.10	-11,659.34	-28.9%
Delta Dental	3,026.58	5,044.30	-2,017.72	-40.0%
Vision Care	969.30	1,591.80	-622.50	-39.1%
Total RETIREE MEDICAL BENEFITS	32,718.64	47,018.20	-14,299.56	-30.4%
COMMUNITY SERVICE ACTIVITIES				
Public Education	6,075.78	2,404.76	3,671.02	152.7%
Comm. Pharmaceutical Drop-Off	371.40	266.37	105.03	39.4%
Open Houses	261.28	251.18	10.10	4.0%
Community Shredder	1,155.00	1,246.79	-91.79	-7.4%
Demonstration Garden	2,097.11	0.00	2,097.11	100.0%
Total COMMUNITY SERVICE ACTIVITI...	9,960.57	4,169.10	5,791.47	138.9%
DISTRICT ACTIVITIES				
Firefighters' Expenses	71.32	0.00	71.32	100.0%
Professional Development	1,600.90	1,021.13	579.77	56.8%
Building Maintenance				
Needs Assess/Feasibility Study	0.00	4,845.00	-4,845.00	-100.0%
Janitorial Service	525.00	525.00	0.00	0.0%
Medical Waste Disposal	1,626.80	1,975.92	-349.12	-17.7%
Building alarm	0.00	115.00	-115.00	-100.0%
Gardening service	360.00	120.00	240.00	200.0%
Miscellaneous Maint.	998.40	1,409.33	-410.93	-29.2%
Total Building Maintenance	3,510.20	8,990.25	-5,480.05	-61.0%
Building Utilities/Service				
Gas and Electric	2,685.98	3,950.28	-1,264.30	-32.0%
Water/Sewer	1,311.19	1,257.80	53.39	4.2%
Total Building Utilities/Service	3,997.17	5,208.08	-1,210.91	-23.3%
Memberships	7,390.00	7,008.00	382.00	5.5%
Office				
Office Expense	1,342.27	973.50	368.77	37.9%
Office Supplies	590.60	297.41	293.19	98.6%
Telephone	3,043.55	2,548.31	495.24	19.4%
Total Office	4,976.42	3,819.22	1,157.20	30.3%
Total DISTRICT ACTIVITIES	21,546.01	26,046.68	-4,500.67	-17.3%
Staff				
Wages	31,693.36	28,812.56	2,880.80	10.0%
Longevity Pay	1,000.00	1,000.00	0.00	0.0%
Overtime Wages	137.13	623.33	-486.20	-78.0%
Medical/dental ins compensation	3,352.00	2,730.00	622.00	22.8%
Retirement Contribution	2,408.64	2,189.76	218.88	10.0%
Payroll Taxes	2,767.96	2,537.20	230.76	9.1%
Workers Compensation/Life Ins	824.99	888.93	-63.94	-7.2%
Payroll Processing	580.50	498.78	81.72	16.4%
Total Staff	42,764.58	39,280.56	3,484.02	8.9%
Total Expense	1,215,117.30	1,099,292.70	115,824.60	10.5%
Net Ordinary Income	2,849,072.50	2,787,819.56	61,252.94	2.2%

**Kensington Fire Protection District
Revenue & Expense Prev Year Comparison**

July 1 through November 13, 2018

	Jul 1 - Nov 13, 18	Jul 1 - Nov 13, 17	\$ Change	% Change
Other Income/Expense				
Other Income				
Transfers In - Capital	9,969.12	0.00	9,969.12	100.0%
Transfers In - General	108,665.14	104,984.27	3,680.87	3.5%
Total Other Income	118,634.26	104,984.27	13,649.99	13.0%
Other Expense				
Transfers Out - Capital	18,634.26	9,984.27	8,649.99	86.6%
Transfers Out - Special	100,000.00	95,000.00	5,000.00	5.3%
Total Other Expense	118,634.26	104,984.27	13,649.99	13.0%
Net Other Income	0.00	0.00	0.00	0.0%
Net Income	2,849,072.50	2,787,819.56	61,252.94	2.2%

Kensington Fire Protection District
Revenue & Expense Budget vs. Actual
 July through October 2018

	Jul - Oct 18	Budget	\$ Over Budget	% of Budget
Ordinary Income/Expense				
Income				
Property Taxes	3,804,059.17	3,955,000.00	-150,940.83	96.2%
Special Taxes	200,453.30	200,453.00	0.30	100.0%
Other Tax Income	0.00	0.00	0.00	0.0%
Lease Agreement	11,822.68	11,822.68	0.00	100.0%
Interest Income	26,681.09	9,750.00	16,931.09	273.7%
Salary Reimbursement Agreement	21,173.56	20,949.36	224.20	101.1%
Miscellaneous Income	0.00	0.00	0.00	0.0%
Total Income	4,064,189.80	4,197,975.04	-133,785.24	98.8%
Expense				
OUTSIDE PROFESSIONAL SERVICES				
LAFCO Fees	2,278.47	2,200.00	78.47	103.6%
Contra Costa County Expenses	2,522.98	268.00	2,254.98	941.4%
El Cerrito Contract Fee	1,026,309.89	1,026,310.00	-0.11	100.0%
Fire Abatement Contract	665.00	8,000.00	-7,335.00	8.3%
Fire Engineer Plan Review	0.00	666.64	-666.64	0.0%
Risk Management Insurance	12,507.00	14,500.00	-1,993.00	86.3%
Professional Fees				
Accounting	225.00	2,300.00	-2,075.00	9.8%
Actuarial Valuation	0.00	0.00	0.00	0.0%
Audit	12,500.00	16,000.00	-3,500.00	78.1%
Legal Fees	16,216.54	11,666.68	4,549.86	139.0%
Total Professional Fees	28,941.54	29,966.68	-1,025.14	96.6%
Water System Improvements	0.00	0.00	0.00	0.0%
Website Development/Maintenance	1,000.00	833.36	166.64	120.0%
Wildland Vegetation Mgmt	2,500.00	2,000.00	500.00	125.0%
Total OUTSIDE PROFESSIONAL SER...	1,076,724.88	1,084,744.68	-8,019.80	99.3%
RETIREE MEDICAL BENEFITS				
PERS Medical	28,722.76	0.00	28,722.76	100.0%
Delta Dental	2,017.72	0.00	2,017.72	100.0%
Vision Care	969.30	0.00	969.30	100.0%
Total RETIREE MEDICAL BENEFITS	31,709.78	0.00	31,709.78	100.0%
COMMUNITY SERVICE ACTIVITIES				
Public Education	6,075.78	5,450.00	625.78	111.5%
Comm. Pharmaceutical Drop-Off	371.40	0.00	371.40	100.0%
Vial of Life Program	0.00	0.00	0.00	0.0%
CERT Emerg Kits/Sheds/Prepared	0.00	2,909.11	-2,909.11	0.0%
Open Houses	261.28	750.00	-488.72	34.8%
Community Shredder	1,155.00	0.00	1,155.00	100.0%
DFSC Matching Grants	0.00	0.00	0.00	0.0%
Firesafe Planting Grants	0.00	333.36	-333.36	0.0%
Demonstration Garden	2,097.11	0.00	2,097.11	100.0%
Community Sandbags	0.00	0.00	0.00	0.0%
Total COMMUNITY SERVICE ACTIVITI...	9,960.57	9,442.47	518.10	105.5%
DISTRICT ACTIVITIES				
Firefighter's Apparel & PPE	0.00	0.00	0.00	0.0%
Firefighters' Expenses	71.32	1,500.00	-1,428.68	4.8%
Staff Appreciation	0.00	0.00	0.00	0.0%
Professional Development	1,600.90	1,666.64	-65.74	96.1%
Building Maintenance				
Needs Assess/Feasibility Study	0.00	0.00	0.00	0.0%
Janitorial Service	420.00	500.00	-80.00	84.0%
Medical Waste Disposal	1,628.80	1,700.00	-73.20	95.7%
Building alarm	0.00	0.00	0.00	0.0%
Gardening service	240.00	500.00	-260.00	48.0%
Miscellaneous Maint.	654.43	4,333.36	-3,678.93	15.1%
Total Building Maintenance	2,941.23	7,033.36	-4,092.13	41.8%
Building Utilities/Service				
Gas and Electric	2,685.98	2,666.64	19.34	100.7%
Water/Sewer	1,311.19	821.68	489.51	159.6%
Total Building Utilities/Service	3,997.17	3,488.32	508.85	114.6%
Election	0.00	0.00	0.00	0.0%
Memberships	7,390.00	700.00	6,690.00	1,055.7%
Office				
Office Expense	1,342.27	1,000.00	342.27	134.2%
Office Supplies	590.60	750.00	-159.40	78.7%
Telephone	2,900.30	2,666.64	233.66	108.8%
Total Office	4,833.17	4,416.64	416.53	109.4%
Total DISTRICT ACTIVITIES	20,833.79	18,804.96	2,028.83	110.8%
Staff				
Wages	31,693.36	31,693.64	-0.28	100.0%
Longevity Pay	1,000.00	1,000.00	0.00	100.0%
Overtime Wages	137.13	525.00	-387.87	26.1%

Kensington Fire Protection District
Revenue & Expense Budget vs. Actual
 July through October 2018

	Jul - Oct 18	Budget	\$ Over Budget	% of Budget
Vacation Wages	0.00	0.00	0.00	0.0%
Medical/dental ins compensation	3,352.00	3,352.00	0.00	100.0%
Retirement Contribution	2,408.64	2,408.64	0.00	100.0%
Payroll Taxes	2,767.96	2,600.00	167.96	106.5%
Workers Compensation/Life Ins	824.89	1,050.00	-225.01	78.6%
Payroll Processing	514.25	548.36	-34.11	93.8%
Total Staff	42,698.33	43,177.64	-479.31	98.9%
Contingency				
General	0.00	8,333.36	-8,333.36	0.0%
Total Contingency	0.00	8,333.36	-8,333.36	0.0%
Total Expense	1,181,927.35	1,164,503.11	17,424.24	101.5%
Net Ordinary Income	2,882,262.45	3,033,471.93	-151,209.48	95.0%
Other Income/Expense				
Other Income				
Transfers In - Capital	9,969.12	0.00	9,969.12	100.0%
Transfers In - General	108,665.14	0.00	108,665.14	100.0%
Total Other Income	118,634.26	0.00	118,634.26	100.0%
Other Expense				
Depreciation Expense	0.00	0.00	0.00	0.0%
Transfers Out - Capital	18,634.26	0.00	18,634.26	100.0%
Transfers Out - Special	100,000.00	0.00	100,000.00	100.0%
Transfers Out - General	0.00	0.00	0.00	0.0%
<Gain>/Loss on Asset Disposal	0.00	0.00	0.00	0.0%
Total Other Expense	118,634.26	0.00	118,634.26	100.0%
Net Other Income	0.00	0.00	0.00	0.0%
Net Income	2,882,262.45	3,033,471.93	-151,209.48	95.0%

TRANSMITTAL - APPROVAL

TO: Auditor Controller of Contra Costa County:

Forwarded herewith are the following invoices and claims for goods and services received which have been approved for payment:

KENSINGTON FPD										PY/CY:
TRANSMITTAL - APPROVAL										BATCH #:
Invoices										DATE:
										LOCATION #:
										FILENAME:
VEND	VENDOR NAME	INVOICE DATE	DESCRIPTION	FUND ORG	SUB ACCT	ASK OPT	ACTIVITY WORK UNIT	ENGINE (PO) #	PAYMENT	AMOUNT
50146	Delta Dental	12/1/2018	BE003114365 Dec dental	7840	1061					1,008.86
50147	KFPD Revolving Fund	12/7/2018	Reimburse revolving fund	7840	2490					15,549.54
50148	CalPERS	11/15/18	7072901257 Jan medical	7840	1061					7,191.44
50150	Vision Service Plan	11/20/18	001027770001 Dec vision	7840	1061					323.10
50151	City of El Cerrito	12/01/18	Dec fire protection	7840	2328					251,284.08
	350 Fitness Superstore	11/29/2018	11285 fitness equipment	7840	2490					3,938.97
TOTAL										279,295.99

Kensington FPD Approval

Date: / /

Franky Rivera Date: 12/17/18

December 7, 2018

Attachment to Transmittal 120718

Kensington Fire Protection District Revolving Fund 01406

Detailed invoice for reimbursement to the Revolving Fund for payment of the following expenditures:

INVOICE		
<u>DATE</u>	<u>DESCRIPTION</u>	<u>AMOUNT</u>
11/9/2018	Sprint - telephone	63.50
11/4/2018	Office Depot - office supplies	16.50
11/5/2018	AT&T - telephone	843.28
11/4/2018	PG&E - gas	116.84
11/4/2018	Farmers - life insurance	412.50
11/16/2018	Payroll processing	66.25
11/16/2018	Payroll - 11/1-11/15/18	2,834.26
11/16/2018	Withholding payroll taxes 11/1-11/15/18	1,381.53
10/29/2018	Reimburse Director - mileage and flowers	145.04
11/9/2018	PG&E - electric	1,341.99
11/9/2018	Galvin Appliance - washing machine	139.00
11/19/2018	Russell - August accounting	375.00
11/13/2018	Mechanics Bank - halloween candy, plaque, etc.	254.64
12/1/2018	Stericycle - medical waste	419.32
11/20/2018	Galvin Appliance - new washing machine	983.46
11/22/2018	Comcast - internet	143.25
11/30/2018	Payroll processing	66.25
11/30/2018	Payroll - 11/16-11/30/18	2,858.25
11/30/2018	Withholding payroll taxes 11/16-11/30/18	1,381.52
12/1/2018	All-Ways Green - janitorial	105.00
12/10/2018	ICMA-RC - Nov deferred comp	1,602.16
	Total	15,549.54

Please complete the enclosed deposit ticket and mail in the attached envelope to The Mechanics Bank.



EL CERRITO-KENSINGTON FIRE DEPARTMENT

10900 San Pablo Avenue • El Cerrito • CA • 94530
(510) 215-4450 • FAX (510) 232-4917

www.el-cerrito.org



November 1, 2018

TO: Kensington Fire Protection District Board Members

FROM: Michael Pigoni: Battalion Chief

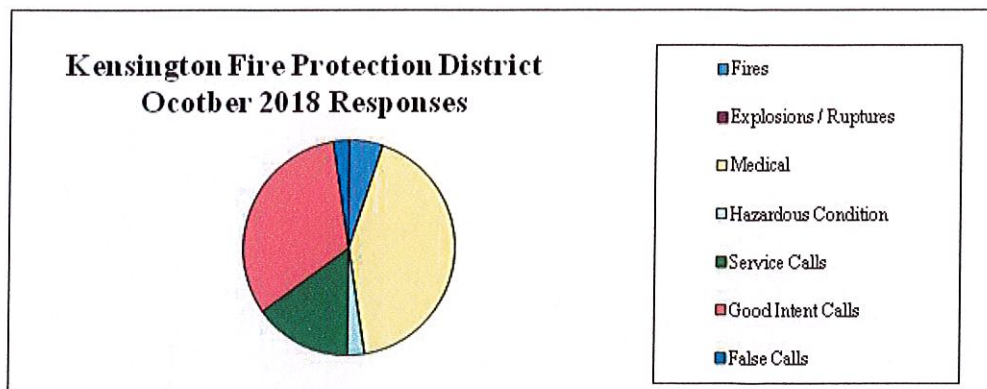
RE: Incident Activity Reports for the Month of October 2018

There were 40 incidents that occurred during the month of October in the community of Kensington. Please see the attached "Incident Log" for the dates and times, locations and incident type for these calls that the Fire District responded to this past month. During this same time, Engine 65 responded to a total of 68 calls in all districts.

There was a significant increase in responses this month due primarily to an increase in medical emergencies and cancelled calls. On October 12th, there was a vegetation fire that was potentially threatening structures in the 100 block of Kingston Road. The incident occurred at 2:30 am and was possibly caused by discarded oily rags. The fire damaged a fence, disposal container and bumper of a parked car. Due to the quick response by the engine crew, the fire was contained to a small area. Fortunately there were no other significant fires or property loss reported in the community or any other major incidents.

The following is a list of the response types, the number of responses for each type and the percentage of the total calls for each type for all the responses in the community of Kensington.

<u>Call Type</u>		<u>Incident Count</u>	<u>Percentages</u>
Fires	<i>(Structure, Trash, Vehicles, Vegetation Fires)</i>	2	5.00%
Explosions / Ruptures	<i>(Over Pressure/Ruptures, Explosions, Bombs)</i>	0	0.00%
Medical	<i>(EMS, Vehicle Accidents, Extrication Rescue)</i>	17	42.50%
Hazardous Condition	<i>(Chemical Spills, Leaks, Down Power Lines)</i>	1	2.50%
Service Calls	<i>(Distress, Water/Smoke/Odor Problems, Public Assists)</i>	6	15.00%
Good Intent Calls	<i>(Cancelled En Route, Wrong Location)</i>	13	32.50%
False Calls	<i>(Wrong Company/Unit Dispatched)</i>	1	2.50%
Totals		40	100.00%



Kensington Fire Protection District Response Log for October 2018

#	Incident Number	Date & Time	Address	City	Apparatus ID	Incident Type*
1	0018100942	01-Oct-18 12:15:36	7 Marchant CT	Kensington	E165	321
2	0018100970	01-Oct-18 13:52:22	4 Kerr AVE	Kensington	E165	600
3	0018100988	01-Oct-18 14:31:02	285 Arlington AVE	Kensington	E165	321
4	0018101129	01-Oct-18 20:44:51	232 Yale AVE	Kensington	E165	651
5	0018101140	01-Oct-18 21:18:47	1 Arlmont DR	Kensington	E165	550
6	0018101166	02-Oct-18 00:15:01	389 Ocean View AVE	Kensington	E165	600
7	0018101865	03-Oct-18 18:25:06	39 Norwood AVE	Kensington	E165	321
8	0018102979	06-Oct-18 18:21:18	22 Ardmore RD	Kensington	E165	600
9	0018103686	08-Oct-18 15:40:01	520 Coventry RD	Kensington	E365	311
10	0018104426	10-Oct-18 15:19:50	14 Garden DR	Kensington	E165	321
11	0018104752	11-Oct-18 14:18:26	334 Coventry RD	Kensington	E165	321
12	0018104930	12-Oct-18 02:34:29	101 Kingston RD	Kensington	E165	142
13	0018105132	12-Oct-18 15:22:49	70 Rincon RD	Kensington	E165	554
14	0018105844	14-Oct-18 17:19:34	247 Kenyon AVE	Kensington	E365	531
15	0018106172	15-Oct-18 16:46:21	100 Windsor AVE	Kensington	E165	321
16	0018106426	16-Oct-18 10:34:59	1652 Oakview AVE	Kensington	E165	611F
17	0018107264	18-Oct-18 14:54:33	184 Highland BLVD	Kensington	E165	444
18	0018107978	20-Oct-18 15:16:28	60 Highland BLVD	Kensington	E165	321
19	0018108081	20-Oct-18 20:22:22	19 Arlington CT	Kensington	E165	611X
20	0018108627	22-Oct-18 09:26:13	523 Coventry RD	Kensington	E165	911
21	0018108638	22-Oct-18 09:59:30	Franciscan WAY	Kensington	E165	653
22	0018109147	23-Oct-18 17:07:06	231 Lake DR	Kensington	E165	113
23	0018109313	24-Oct-18 06:07:32	Franciscan WAY	Kensington	E165	611F
24	0018109781	25-Oct-18 12:31:31	117 York AVE	Kensington	E165	531
25	0018109994	25-Oct-18 22:32:53	1 Eagle HL	Kensington	E165	321
26	0018110003	25-Oct-18 23:08:48	8 Edgecroft RD	Kensington	E165	321
27	0018110103	26-Oct-18 08:49:31	7 Marchant CT	Kensington	E165	611M
28	0018110159	26-Oct-18 11:08:43	7 Marchant CT	Kensington	E165	554
29	0018110231	26-Oct-18 14:10:02	7 Marchant CT	Kensington	E165	554
30	0018110606	27-Oct-18 12:14:45	59 Arlington AVE	Kensington	E171	321

31	0018110704	27-Oct-18 17:19:41	1 Lawson RD	Kensington	E165	321
32	0018110752	27-Oct-18 19:31:15	41 Highland BLVD	Kensington	E165	651
33	0018110989	28-Oct-18 13:44:58	241 Cambridge AVE	Kensington	E165	321
34	0018111198	29-Oct-18 01:29:45	295 Purdue AVE	Kensington	E165	321
35	0018111657	30-Oct-18 09:57:08	Arlington AVE	Kensington	E365	321
36	0018111896	30-Oct-18 20:52:42	244 Colgate AVE	Kensington	E365	651
37	0018112092	31-Oct-18 13:02:32	90 Highland BLVD	Kensington	E165	611X
38	0018112167	31-Oct-18 16:08:13	825 Coventry RD	Kensington	E165	321
39	0018112215	31-Oct-18 18:55:31	249 Trinity AVE	Kensington	E165	321
40	0018112256	31-Oct-18 20:43:25	52 Arlington AVE	Kensington	E165	651

* See Attached Table for Incident Type Explanations

Type Series	Description
100	(Structure, Trash, Vehicle, Vegetation Fire)
200	(Over Pressure/Ruptures Explosions, Bombs)
300	(EMS, Vehicle Accidents, Extrication, Rescue)
400	(Chemical Spills, Leaks, Down power Lines)
500	(Distress, Water/ Smoke/Odor Problems, Public Assists)
600	(Cancelled En Route, Wrong Location)
700	(Wrong Company/Unit Dispatched)

Kensington Fire Protection District

Engine 65 Response Log for October 2018

#	Incident Number	Date & Time	Address	City	Apparatus ID	Incident Type*
1	0018100942	01-Oct-18 12:15:04	7 Marchant CT	Kensington	E165	321
2	0018100970	01-Oct-18 13:51:32	4 Kerr AVE	Kensington	E165	600
3	0018100988	01-Oct-18 14:31:02	285 Arlington AVE	Kensington	E165	321
4	0018101129	01-Oct-18 20:43:44	232 Yale AVE	Kensington	E165	651
5	0018101140	01-Oct-18 21:16:51	1 Arlmont DR	Kensington	E165	550
6	0018101166	02-Oct-18 00:13:54	389 Ocean View AVE	Kensington	E165	600
7	0018101865	03-Oct-18 18:23:25	39 Norwood AVE	Kensington	E165	321
8	0018102201	04-Oct-18 16:33:48	855 Arlington BLVD	El Cerrito	E165	611M
9	0018102218	04-Oct-18 17:36:16	821 Craft AVE	Kensington	E165	911
10	0018102480	05-Oct-18 11:47:59	San Pablo AVE	El Cerrito	E165	311
11	0018102979	06-Oct-18 18:19:40	22 Ardmore RD	Kensington	E165	600
12	0018103272	07-Oct-18 13:03:57	Lake Anza RD	Orinda	E365	5000
13	0018103431	07-Oct-18 21:31:06	704 Hancock WAY	El Cerrito	E365	651
14	0018103470	08-Oct-18 01:38:24	510 El Cerrito PLZ	El Cerrito	E365	743
15	0018103576	08-Oct-18 11:06:57	205 Lake DR	Richmond	E365	611
16	0018103686	08-Oct-18 15:16:42	520 Coventry RD	Kensington	E365	311
17	0018104426	10-Oct-18 15:18:02	14 Garden DR	Kensington	E165	321
18	0018104687	11-Oct-18 11:47:07	6811 Blake ST	El Cerrito	E365	412
19	0018104752	11-Oct-18 14:16:46	334 Coventry RD	Kensington	E165	321
20	0018104930	12-Oct-18 02:34:03	101 Kingston RD	Kensington	E165	142
21	0018105020	12-Oct-18 10:43:12	11025 San Pablo AVE	El Cerrito	E165	321
22	0018105132	12-Oct-18 15:21:22	70 Rincon RD	Kensington	E165	554
23	0018105844	14-Oct-18 17:17:32	247 Kenyon AVE	Kensington	E365	531
24	0018105959	15-Oct-18 00:08:33	8860 Terrace DR	El Cerrito	E365	321
25	0018106172	15-Oct-18 16:45:43	100 Windsor AVE	Kensington	E165	321
26	0018106246	15-Oct-18 19:53:31	1321 Brewster DR	El Cerrito	E165	321
27	0018106426	16-Oct-18 10:33:55	1652 Oakview AVE	Kensington	E165	611F
28	0018106784	17-Oct-18 09:57:47	1422 Navellier ST	El Cerrito	E165	400
29	0018106790	17-Oct-18 10:13:56	3230 Carlson BLVD	El Cerrito	E165	311
30	0018106803	17-Oct-18 11:12:41	1021 Navellier ST	El Cerrito	E165	611F

31	0018106839	17-Oct-18 12:34:37	Central Park DR	Orinda	E165	321
32	0018107097	18-Oct-18 06:52:44	139 San Carlos AVE	El Cerrito	E165	611M
33	0018107264	18-Oct-18 14:53:49	184 Highland BLVD	Kensington	E165	444
34	0018107876	20-Oct-18 09:17:17	225 El Cerrito PLZ	El Cerrito	E165	611M
35	0018107978	20-Oct-18 15:14:32	60 Highland BLVD	Kensington	E165	321
36	0018108081	20-Oct-18 20:21:03	19 Arlington CT	Kensington	E165	611X
37	0018108312	21-Oct-18 10:18:19	911 Lexington AVE	El Cerrito	E165	321
38	0018108327	21-Oct-18 11:16:29	Key Route BLVD	El Cerrito	E165	321
39	0018108627	22-Oct-18 09:23:50	523 Coventry RD	Kensington	E165	911
40	0018108636	22-Oct-18 09:47:58	7735 Curry AVE	El Cerrito	E165	611P
41	0018108638	22-Oct-18 09:55:15	Franciscan WAY	Kensington	E165	653
42	0018108693	22-Oct-18 12:24:18	6400 Cutting BLVD	El Cerrito	E165	611M
43	0018108701	22-Oct-18 12:52:34	1510 Elm ST	El Cerrito	E165	321
44	0018108722	22-Oct-18 13:52:23	420 El Cerrito PLZ	El Cerrito	E165	611
45	0018109031	23-Oct-18 10:57:59	1433 Arlington BLVD	El Cerrito	E165	412
46	0018109147	23-Oct-18 17:04:55	231 Lake DR	Kensington	E165	113
47	0018109313	24-Oct-18 06:05:29	Franciscan WAY	Kensington	E165	611F
48	0018109781	25-Oct-18 12:27:42	117 York AVE	Kensington	E165	531
49	0018109994	25-Oct-18 22:31:10	1 Eagle HL	Kensington	E165	321
50	0018110003	25-Oct-18 23:07:42	8 Edgecroft RD	Kensington	E165	321
51	0018110103	26-Oct-18 08:48:44	7 Marchant CT	Kensington	E165	554
52	0018110159	26-Oct-18 11:07:26	7 Marchant CT	Kensington	E165	554
53	0018110231	26-Oct-18 14:09:00	7 Marchant CT	Kensington	E165	321
54	0018110704	27-Oct-18 17:17:39	1 Lawson RD	Kensington	E165	651
55	0018110752	27-Oct-18 19:30:29	41 Highland BLVD	Kensington	E165	611
56	0018110961	28-Oct-18 11:49:15	214 Ramona AVE	El Cerrito	E165	321
57	0018110989	28-Oct-18 13:44:14	241 Cambridge AVE	Kensington	E165	321
58	0018111198	29-Oct-18 01:28:58	295 Purdue AVE	Kensington	E165	321
59	0018111201	29-Oct-18 01:53:46	205 Ramona AVE	El Cerrito	E165	550
60	0018111220	29-Oct-18 04:39:59	1011 Villa Nueva DR	El Cerrito	E165	733
61	0018111476	29-Oct-18 18:41:52	540 Ashbury AVE	El Cerrito	E165	743
62	0018111657	30-Oct-18 09:54:29	Arlington AVE	Kensington	E365	321
63	0018111896	30-Oct-18 20:50:15	244 Colgate AVE	Kensington	E365	651
64	0018111912	30-Oct-18 21:53:26	805 Kensington RD	El Cerrito	E365	554
65	0018112092	31-Oct-18 13:02:32	90 Highland BLVD	Kensington	E165	611X

66	0018112167	31-Oct-18 16:05:52	825 Coventry RD	Kensington	E165	321
67	0018112215	31-Oct-18 18:54:45	249 Trinity AVE	Kensington	E165	321
68	0018112256	31-Oct-18 20:42:31	52 Arlington AVE	Kensington	E165	651

* See Attached Table for Incident Type Explanations

Type Series	Description
100	(Structure, Trash, Vehicle, Vegetation Fire)
200	(Over Pressure/Ruptures Explosions, Bombs)
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www.el-cerrito.org



December 1, 2018

TO: Kensington Fire Protection District Board Members

FROM: Michael Pigoni: Battalion Chief

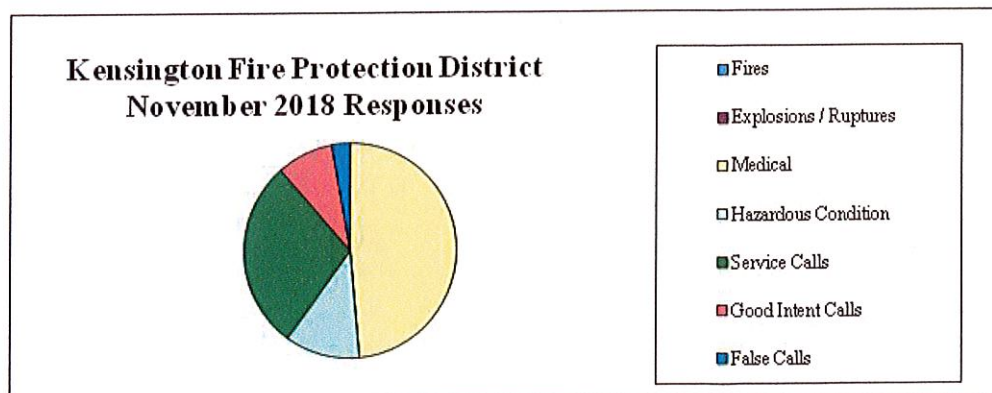
RE: Incident Activity Reports for the Month of November 2018

There were 35 incidents that occurred during the month of November in the community of Kensington. Please see the attached "Incident Log" for the dates and times, locations and incident type for these calls that the Fire District responded to this past month. During this same time, Engine 65 responded to a total of 55 calls in all districts.

There was a significant decrease in responses this month both within the community and in the other districts, due primarily to the rains in the late part of the month that cleaned the air and thus there were less reported smoke investigations. On November 1, there was a response to the Kensington School for a reported incendiary device on the hillside next to the school. It was disposed of by the Berkeley Bomb Squad and is under investigation. Fortunately there were no other significant fires or property loss reported in the community or any other major incidents.

The following is a list of the response types, the number of responses for each type and the percentage of the total calls for each type for all the responses in the community of Kensington.

<u>Call Type</u>		<u>Incident Count</u>	<u>Percentages</u>
Fires	<i>(Structure, Trash, Vehicles, Vegetation Fires)</i>	0	0.00%
Explosions / Ruptures	<i>(Over Pressure/Ruptures, Explosions, Bombs)</i>	0	0.00%
Medical	<i>(EMS, Vehicle Accidents, Extrication Rescue)</i>	17	48.57%
Hazardous Condition	<i>(Chemical Spills, Leaks, Down Power Lines)</i>	4	11.43%
Service Calls	<i>(Distress, Water/Smoke/Odor Problems, Public Assists)</i>	10	28.57%
Good Intent Calls	<i>(Cancelled En Route, Wrong Location)</i>	3	8.57%
False Calls	<i>(Wrong Company/Unit Dispatched)</i>	1	2.86%
Totals		35	100.00%



Kensington Fire Protection District Response Log for November 2018

#	Incident Number	Date & Time	Address	City	Apparatus ID	Incident Type*
1	0018112469	01-Nov-18 12:05:18	52 Arlington AVE	Kensington	E165	321
2	0018112573	01-Nov-18 16:21:10	90 Highland BLVD	Kensington	E165	471
3	0018112670	01-Nov-18 21:20:47	3 Jessen CT	Kensington	E165	321
4	0018112692	01-Nov-18 23:37:18	636 Beloit AVE	Kensington	E165	321
5	0018112834	02-Nov-18 11:35:33	1500 Oakview AVE	Kensington	E165	550
6	0018112927	02-Nov-18 15:23:25	61 Arlington AVE	Kensington	E165	322
7	0018113466	03-Nov-18 22:21:18	387 Coventry RD	Kensington	E365	5000
8	0018113866	05-Nov-18 03:35:25	251 Colgate AVE	Kensington	E165	321
9	0018113890	05-Nov-18 07:01:36	251 Colgate AVE	Kensington	E165	651
10	0018114060	05-Nov-18 15:22:46	10 Kerr AVE	Kensington	E165	321
11	0018114524	06-Nov-18 16:59:03	18 Cowper AVE	Kensington	E165	321
12	0018115109	08-Nov-18 09:37:56	35 Rincon RD	Kensington	E365	321
13	0018115413	09-Nov-18 00:27:44	20 Highgate RD	Kensington	E365	641
14	0018116336	11-Nov-18 15:50:36	291 Purdue AVE	Kensington	E365	553
15	0018116460	11-Nov-18 23:39:42	107 Arlington AVE	Kensington	E165	321
16	0018117018	13-Nov-18 14:00:55	240 Colgate AVE	Kensington	E165	550
17	0018117474	14-Nov-18 19:42:54	26 Arlington AVE	Kensington	E165	321
18	0018118353	17-Nov-18 01:53:52	295 Purdue AVE	Kensington	E165	510
19	0018118575	17-Nov-18 16:09:51	94 Norwood AVE	Kensington	E165	321
20	0018119273	19-Nov-18 15:38:02	400 Colusa AVE	Kensington	E165	500
21	0018120072	21-Nov-18 16:46:44	200 Arlington AVE	Kensington	E165	411
22	0018120074	21-Nov-18 16:52:46	612 Beloit AVE	Kensington	E172	611X
23	0018120354	22-Nov-18 12:21:13	744 Coventry RD	Kensington	E165	321
24	0018120582	23-Nov-18 00:04:19	600 Parkside CT	Kensington	E165	321
25	0018120911	23-Nov-18 21:18:26	83 Ardmore RD	Kensington	E165	321
26	0018120918	23-Nov-18 21:49:17	100 Ardmore RD	Kensington	E165	552
27	0018120941	23-Nov-18 23:55:53	679 Coventry RD	Kensington	E165	412
28	0018121222	24-Nov-18 19:15:25	59 Arlington AVE	Kensington	E165	400
29	0018121471	25-Nov-18 14:35:30	69 Stratford RD	Kensington	E165	740
30	0018121705	26-Nov-18 08:03:30	711 Coventry RD	Kensington	E165	321

31	0018121121	26-Nov-18 09:05:51	14 Garden DR	Kensington	E165	550
32	0018121907	26-Nov-18 17:08:08	160 Arlington AVE	Kensington	E165	322
33	0018122562	28-Nov-18 13:55:34	711 Coventry RD	Kensington	E165	321
34	0018122869	29-Nov-18 09:38:20	50 Kenyon AVE	Kensington	E165	553
35	0018122953	29-Nov-18 13:02:22	Coventry RD	Kensington	E165	520

* See Attached Table for Incident Type Explanations

Type Series

- 100
- 200
- 300
- 400
- 500
- 600
- 700

Description

- (Structure, Trash, Vehicle, Vegetation Fire)
- (Over Pressure/Ruptures Explosions, Bombs)
- (EMS, Vehicle Accidents, Extrication, Rescue)
- (Chemical Spills, Leaks, Down power Lines)
- (Distress, Water/ Smoke/Odor Problems, Public Assists)
- (Cancelled En Route, Wrong Location)
- (Wrong Company/Unit Dispatched)

Kensington Fire Protection District

Engine 65 Response Log for November 2018

#	Incident Number	Date & Time	Address	City	Apparatus ID	Incident Type*
1	0018112469	01-Nov-18 12:02:20	52 Arlington AVE	Kensington	E165	321
2	0018112489	01-Nov-18 13:05:16	418 Colusa AVE	El Cerrito	E165	651
3	0018112573	01-Nov-18 16:13:38	90 Highland BLVD	Kensington	E165	471
4	0018112670	01-Nov-18 21:19:44	3 Jessen CT	Kensington	E165	321
5	0018112692	01-Nov-18 23:37:18	636 Beloit AVE	Kensington	E165	321
6	0018112834	02-Nov-18 11:32:56	1500 Oakview AVE	Kensington	E165	550
7	0018112927	02-Nov-18 15:22:43	61 Arlington AVE	Kensington	E165	322
8	0018113004	02-Nov-18 18:35:24	8000 El Cerrito Plaza	El Cerrito	E165	321
9	0018113466	03-Nov-18 22:19:02	387 Coventry RD	Kensington	E365	5000
10	0018113607	04-Nov-18 10:04:16	885 Shevlin DR	El Cerrito	E165	320
11	0018113866	05-Nov-18 03:35:10	251 Colgate AVE	Kensington	E165	321
12	0018113890	05-Nov-18 07:01:01	251 Colgate AVE	Kensington	E165	651
13	0018114060	05-Nov-18 15:20:41	10 Kerr AVE	Kensington	E165	321
14	0018114524	06-Nov-18 16:56:23	18 Cowper AVE	Kensington	E165	321
15	0018114940	07-Nov-18 19:32:37	856 Shevlin DR	El Cerrito	E165	550
16	0018115074	08-Nov-18 08:25:30	301 Behrens ST	El Cerrito	E365	321
17	0018115109	08-Nov-18 09:35:29	35 Rincon RD	Kensington	E365	321
18	0018115413	09-Nov-18 00:27:44	20 Highgate RD	Kensington	E365	641
19	0018115624	09-Nov-18 14:02:25	3230 Carlson BLVD	El Cerrito	E165	311
20	0018115873	10-Nov-18 07:59:09	520 Balra DR	El Cerrito	E165	311
21	0018116336	11-Nov-18 15:50:19	291 Purdue AVE	Kensington	E365	553
22	0018116460	11-Nov-18 23:39:11	107 Arlington AVE	Kensington	E165	321
23	0018117018	13-Nov-18 13:57:11	240 Colgate AVE	Kensington	E165	550
24	0018117267	14-Nov-18 08:37:16	Stockton AVE	El Cerrito	E165	700
25	0018117330	14-Nov-18 11:44:25	180 E	Richmond	E165	311
26	0018117383	14-Nov-18 14:41:20	608 Seaview DR	El Cerrito	E165	733
27	0018117474	14-Nov-18 19:42:21	26 Arlington AVE	Kensington	E165	321
28	0018118353	17-Nov-18 01:53:52	295 Purdue AVE	Kensington	E165	510
29	0018118575	17-Nov-18 16:08:46	94 Norwood AVE	Kensington	E165	321
30	0018118630	17-Nov-18 18:59:10	8000 El Cerrito PLZ	El Cerrito	E165	611X

31	0018110034	17-Nov-18 19:12:12	1190-119 E Wildcat Canyon KJ	Orinda	E165	321
32	0018118851	18-Nov-18 12:42:19	510 El Cerrito PLZ	El Cerrito	E165	611X
33	0018119089	19-Nov-18 04:54:28	843 Shevlin DR	El Cerrito	E165	553
34	0018119273	19-Nov-18 15:38:02	400 Colusa AVE	Kensington	E165	500
35	0018119945	21-Nov-18 11:54:03	307 Ramona AVE	El Cerrito	E165	321
36	0018119977	21-Nov-18 13:18:30	805 Kensington RD	El Cerrito	E165	311
37	0018120072	21-Nov-18 16:43:27	200 Arlington AVE	Kensington	E165	411
38	0018120126	21-Nov-18 19:03:55	1330 Richmond ST	El Cerrito	E165	321
39	0018120331	22-Nov-18 11:17:08	115 Key Route BLVD	El Cerrito	E165	622
40	0018120354	22-Nov-18 12:19:32	744 Coventry RD	Kensington	E165	321
41	0018120582	23-Nov-18 00:02:24	600 Parkside CT	Kensington	E165	321
42	0018120675	23-Nov-18 09:30:17	8765 Terrace DR	El Cerrito	E165	321
43	0018120911	23-Nov-18 21:16:52	83 Ardmore RD	Kensington	E165	321
44	0018120918	23-Nov-18 21:48:03	100 Ardmore RD	Kensington	E165	552
45	0018120941	23-Nov-18 23:55:18	679 Coventry RD	Kensington	E165	412
46	0018121222	24-Nov-18 19:14:54	59 Arlington AVE	Kensington	E165	400
47	0018121471	25-Nov-18 14:33:13	69 Stratford RD	Kensington	E165	740
48	0018121705	26-Nov-18 08:02:20	711 Coventry RD	Kensington	E165	321
49	0018121721	26-Nov-18 09:05:04	14 Garden DR	Kensington	E165	550
50	0018121907	26-Nov-18 17:07:04	160 Arlington AVE	Kensington	E165	322
51	0018122363	28-Nov-18 00:00:59	Wildcat Canyon RD	Orinda	E165	352
52	0018122562	28-Nov-18 13:53:35	711 Coventry RD	Kensington	E165	321
53	0018122869	29-Nov-18 09:37:46	50 Kenyon AVE	Kensington	E165	553
54	0018122953	29-Nov-18 13:01:58	Coventry RD	Kensington	E165	520
55	0018123533	01-Dec-18 00:01:22	1025 Havens PL	El Cerrito	E165	321

* See Attached Table for Incident Type Explanations

Type Series	Description
100	(Structure, Trash, Vehicle, Vegetation Fire)
200	(Over Pressure/Ruptures Explosions, Bombs)
300	(EMS, Vehicle Accidents, Extrication, Rescue)
400	(Chemical Spills, Leaks, Down power Lines)
500	(Distress, Water/ Smoke/Odor Problems, Public Assists)
600	(Cancelled En Route, Wrong Location)

(Wrong Company/Unit Dispatched)

CHIEF'S REPORT



KENSINGTON FIRE PROTECTION DISTRICT MEMORANDUM

DATE: December 12, 2018

TO: President and Board Members, Kensington Fire Protection District

FROM: Michael Pigoni, Battalion Chief

SUBJECT: **Fire Chief's Report for December 2018**

California Wild Fires Continue

Once again in November, California experienced devastating wild land fires both in the north and the south with the Camp Fire in and around Paradise that burned over 153,000 acres, destroyed more than 15,000 homes and businesses and 4,000 other structures and killed 85 residents so far. There were also the Woolsey Fire near Simi Valley and the Hill Fire in Ventura County that burned over 100,000 acres, destroyed more than 1,500 homes and killed 3 residents.

EL Cerrito - Kensington Fire Department sent OES Engine #300 on November 8th with a crew of 4 as well as a Fire Line Medic to the Camp Fire to assist with the firefighting operations. All personnel have since returned as the Camp Fire is now 95% contained. One of our firefighters suffered a minor injury while on the fire line. The firefighter was hospitalized for 24 hours and is on injury leave for approximately two weeks. He is recovering well and should be back to work soon.

During this same time, Kensington saw over six days of Red Flag Warning weather conditions and over two weeks of poor air quality as a result of the north-east winds bringing the smoke and ash into the bay area from the Camp Fire.

Fire Prevention

The weather and smoke conditions have also fueled the concerns some residents adjacent to the Tilden / Wild Cat Canyon area concerns of the potential fire dangers within the community. The Fire Department has continued with their inspection program for area that are not in compliance with the Hazard Mitigation Plan (Weed Abatement). Continue efforts are also being made to work with some property owners over possible dying or dead trees for them to remove them.

Personnel Changes

With the imminent retirement of Fire Chief Maples, the transition of his duties to Battalion Chief Michael Pigoni continues. Chief Pigoni's MOU was approved on Tuesday, December 4 at the El Cerrito City Council meeting and he will take office on December 31st. Recent tests for Battalion Chief, Fire Captain and Fire Engineer have been completed and announcements will be made as we approach not only Chief Maples' last day but also Battalion Chief Larry Carr who will also be retired on December 30th. The Fire Department interviewed potential new hires on December 3rd in an effort to update their candidate list to offer jobs to fill the open slots left by these retirements. Those announcements will also be made soon.

NEW BUSINESS

To: Kensington Fire Protection District (KFPD) Board Directors Janice Kosel, Larry Nagel, Don Dommer, Julie Stein and Kevin Padian
From: Sylvia Hacaj, Kensington Police Protection & Community Services District (KPPCSD) Board Director
Cc: Brenda Navellier, KFD GM; Tony Constantouros, KPPCSD GM
Date: December 4, 2018
Re: Request for Funding for new Fire Alarm System for Kensington Community Center

Thank you for considering the request I brought to you at the November 12th KFPD Board meeting to provide funding for the Fire Alarm System that was requested by Fire Marshall Dave Gibson in his review of the Youth Hut/Community Center renovation plans. I submitted his recommendation and specs for the type of alarm system referenced on November 12 time and I refer you to them for additional information.

Because the Community Center is rented by many groups and individuals, and is unoccupied for long stretches of time, isolated from neighboring homes, and located in a high a fire alarm system that is directly wired to the Fire Department has been recommended.

The estimated costs associated with this system have not been included in the renovation cost estimates to date. Additional estimated costs associated with this system are:

\$2,200	Service of electric consultant to architects, Glass and Associates, LLC
\$25,000	Alarm system and labor
\$ 3,750	<u>15% contingency (alarm and labor)</u>
\$30, 950	

11/14/2018

Fire Alarm System Estimate

Reply Reply All Forward

Fire Alarm System Estimate

Sylvia Hacaj

To: janicekosel@gmail.com

Tuesday, November 13, 2018 1:00 PM

From: Farhat Daud [fdaud@glassarchplan.com]

Subject: Fire Alarm Info

Hi Sylvia,

I spoke with our electrical consultant. He estimates about \$25,000 for the labor and materials for the fire alarm system which comprises of smoke detectors in every room, except the catering pantry which would get the heat detector. His original estimate of \$15-\$20 per s.f. was deemed too high (at 4430 s.f. that yields a cost of \$66k-\$88k). However, in today's construction climate, there are plenty of surprises so we won't know until it's actually bid (as you're well aware of).

He is going to send me a cut-sheet for a similar type system either today or tomorrow which I will forward to you for your use when talking to the fire board this Thursday. And he will also be sending the revised fee proposal for his work for designing the fire alarm, drawings which will be included with the bid document package.

Best,
Farhat

Farhat Daud, AIA
Associate

Glass Associates, Inc.
Architecture & Planning
337 17th Street, Suite 100
Oakland, CA 94612
Tel. (510) 788-5888
Cell (510) 710-4844
fdaud@glassarchplan.com
www.glassarchplan.com



ELECTRICAL ENGINEERS

November 8, 2018
Via email

Glass Associates, Inc.
337 17th Street, Suite 100
Oakland, CA 94612
Attn: William R. Glass, Principal

Project: Kensington Community Center
Subject: Electrical engineering – Fire alarm
BAC Engineers job no.: 17763

Dear William,

Bay Area Consulting Engineers, dba BAC Engineers, is pleased to submit this extra electrical engineering proposal in response to your November 2, 2018 request. The extra service is to show smoke detectors and heat detectors throughout the building per the request of Kensington Fire Department.

I. Scope of Electrical Engineering Services:

A. Prepare fire alarm drawings for the following:

1. Floor plan of device and equipment locations.
2. Sequence of operations.
3. List fire alarm equipment with CSFM listing numbers.
4. Power to fire alarm equipment.
5. Show smoke and heat detectors to all spaces in the building.
6. Alarm signal from FACP panel to an offsite 24 hour monitoring company via phone lines.

B. Review and respond to Kensington fire department review comments.

C. Coordinate location of smoke and heat detectors with architect.

II. Engineering Lump Sum Fee: \$2,200.00.

Very truly yours,

Angellito Magbitang
Digitally signed by Angello Magbitang
DN: CN=Lito Magbitang, OU=Electrical
Group, CN=Angello Magbitang
Date: 2018.11.08 13:58:15-0800

Lito Magbitang, PE
Principal Electrical Engineer

Cc: PF



EL CERRITO/KENSINGTON FIRE DEPARTMENT
10900 San Pablo Avenue
El Cerrito, CA 94530
(510) 215-4450
FAX (510) 232-4917



To: Glass Associates, Inc. / Contra Costa County Building Department
From: David R. Gibson, Fire Marshal
Subject: Plan Review Comments: 59 Arlington Avenue, Kensington
Date: September 28, 2018

Plans submitted are approved with the following comments:

1. Building Construction
 - A. Building construction shall meet current UFC, UBC, UMC, NEC, CFC and the CBC. Nothing in this review is to approve or justify any violation or departure from code.
 - B. All electrical breakers shall be labeled. Major equipment shall have corresponding labels.
 - C. Recommend: NFPA 72 Fire Alarm System with 24 Hour monitoring (NOTE #1)
2. Exiting
 - A. Illuminated exit signs to be installed per submitted plans (E2.02).
 - B. Verify Braille "Exit" or "Exit Route" Signage to be installed per submitted plans.
 - C. Provide or verify emergency lighting per Chapter 10 of CAFC (NOTE #4)
3. Fire Extinguishers
 - A. Provide min 2A:10BC fire extinguishers to be installed with maximum travel distance not to exceed 75 of travel (NOTE #5)
 - B. Mount Fire extinguishers on wall with the top no higher than 5 feet from the ground.
4. Access
 - A. Provide Access key(s) (to be placed inside Knox box) as soon as possible after improvement.
5. Occupant Load
 - A. Post occupant load signs in Meeting Hall (NOTE #2)
 - B. Occupant load to be determined at time of final Fire Department inspection (NOTE #3)
6. Inspection
 - A. Provide Fire Prevention Division with 48-hour notice when requesting inspections.

Tenant Improvement
Plan Review and Inspection Fee: \$0.00

David R. Gibson
Fire Marshal

Honeywell



5860

Remote Annunciator

The 5860 remote annunciator can be used to operate and program Honeywell Silent Knight fire alarm control panels (FACPs) from anywhere within the system.

The 5860 features include an 80-character backlit LCD providing easy-to-understand system messages. The annunciator is ergonomically designed with over-sized buttons for the most frequently used features, like Reset and Silence.

In addition to status messages displayed on the LCD, there are five LEDs for alarm, supervisory, trouble, silence, and AC power status.

The 5860 annunciator is available in gray to match virtually any decor and red for applications where the annunciator must stand out. The annunciator enclosure can be surface or flush mounted. A trim ring kit is available for surface mounting.

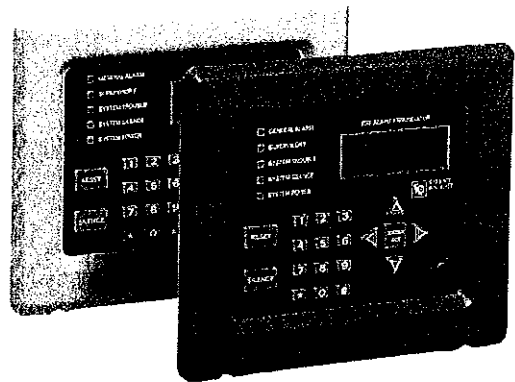
COMPATIBILITY

The 5860 is compatible with the following Honeywell Silent Knight FACPs:

- 6820: Addressable fire alarm control panel with up to 1,110 addressable points
- 6820EVS: Addressable fire alarm control panel with an emergency communication systems and up to 1,110 addressable points
- 6808: Addressable fire alarm control panel with up to 198 addressable points
- 6700: Addressable fire alarm control panel with up to 100 addressable points
- 5820XL: Addressable fire alarm control panel
- 5820XL-EVS: Addressable fire alarm control panel with an emergency communication systems
- 5808: Addressable fire alarm control panel
- 5700: Addressable fire alarm control panel

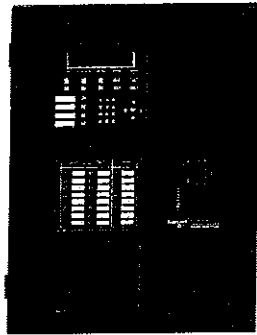
FEATURES & BENEFITS

- 80-character backlit LCD display (4 lines with 20 characters per line)
- Tactile / audible feedback when a key is pressed on the annunciator
- Uses the RS-485 SBUS to interface with the panel
- Support for simultaneous use of multiple 5860s
- Easily view current status by alarms, supervisorys, or troubles
- Five Status LEDs
- Available in red or light gray color
- Accommodates wiring lengths up to 6000 ft. from the control panel for added design and install flexibility
- Accepts user codes or fire fighter's key
- Larger keypad buttons makes it easier to maneuver for system reset and silencing

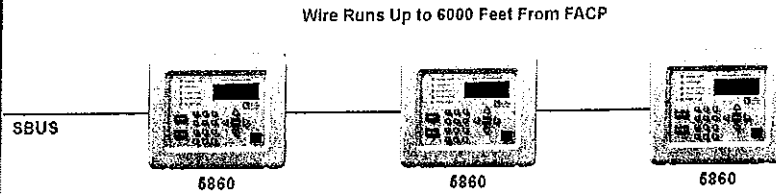


5860 / 5860R

5860 Technical Specifications



Compatible Silent Knight FACP



- Up to Eight 5860s Per 5700 or 6700 System
- Up to 12 5860s Per 5808, 6808, 5820XL, or 5820XL-EVS System
- Up to 16 5860s per 6820 or 6820EVS System

For a complete listing of all compliance approvals and certifications, please visit www.silentknight.com.

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This document is not intended to be used for installation purposes. We try to keep our product information up-to-date and accurate. We cannot cover all specific applications or anticipate all requirements. All specifications are subject to change without notice.

For Technical Support, call 800-446-6444.

5860 Features

PHYSICAL

Dimensions: 9.1"W x 7.4"H x 1.5"D (23.1W x 18.8H x 3.8D cm)

Shipping Weight: 2.8 lbs (1.3 kg)

Color: 5860R: Red; 5860: Gray

ENVIRONMENTAL

Operating Temperature: 32°F to 120°F (0°C to 49°C)

Humidity: 10% - 93% non-condensing)

ELECTRICAL

Operating Voltage: 24VDC

Standby Current: 20mA

Alarm Current: 25mA

ORDERING INFORMATION

5860: Remote Annunciator, four line (4x20) LCD annunciator with 20 characters per line. Gray

5860R: Remote Annunciator, four line (4x20) LCD annunciator with 20 characters per line. Red

ACCESSORIES

5860TR: Red Trim Ring for surface mounting

5860TG: Gray Trim Ring for surface mounting

AGENCY LISTINGS AND APPROVALS

UL listed

CSFM approved

Meets NFPA 72 requirements

FM approved

MEA approved

For more information

Learn more about Honeywell Silent Knight and other products by visiting www.silentknight.com

Honeywell Silent Knight

12 Clintonville Road

Northford, CT 06472

800-328-0103

Doc 350224! Rev J112/17
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Honeywell





Addressable Fire Alarm Control Panels

6700

Addressable Fire Alarm Control Panel

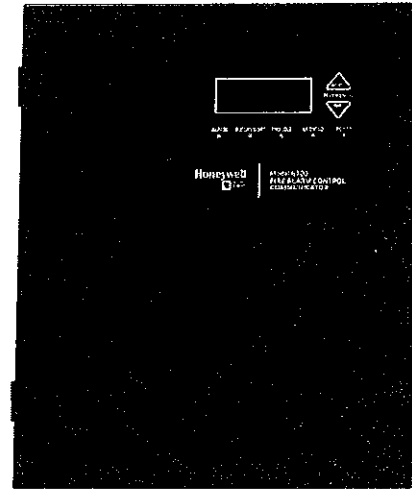
The 6700 is an addressable fire alarm control panel (FACP) that is a direct replacement for the 5700 FACP. The 6700 can be configured to achieve a point capacity of up to 100 points. It has one built-in signaling line circuit (SLC), which can support 50 System Sensor® (SK) sensors and 50 SK modules or 50 Hochiki® (SD) devices.

A common communications and annunciation link allows up to 17 panels to be connected via copper or fiber optic cable. A designated panel is configured as the communicator for all panels in the link for convenient single-point communications. The 6700 also has a built-in, dual-line POTS and IP communicator with additional cellular options available.

The 6700 system can be enhanced by adding modules such as the 6860 remote annunciator which also has four programmable function buttons to help automate tasks and reduce time spent at the panel.

SWIFT® wireless compatibility provides options for wireless detection through a Class A mesh network. It is ideal for hard-to-wire locations, buildings where new wiring is not allowed, or to provide an easy install fire system for new construction projects. SWIFT devices can be combined with other hard-wired 6700 compatible devices. SWIFT is only compatible with System Sensor (SK) devices. It is not compatible with Hochiki (SD) devices.

The 6700 also has a form-C trouble relay, two programmable form-C relays, along with powerful features such as drift compensation, pre-trouble maintenance alert, a built-in sensor test to comply with NFPA 72 calibration testing requirements, and calibration trouble alert.



6700

The 6700 supports a variety of devices, including the 6860, 5860, and 6855 remote annunciators, 5824 serial parallel printer interface module (for printing system reports), the 5496 NAC expander, 5895XL power module, and SK or SD devices.

FEATURES & BENEFITS

- Capable of providing up to 100 points to satisfy smaller installation needs
- Connect up to 17 panels on one site with convenient single-point access using the SK-NIC Network Interface Card. Connected panels can have mixed compatible FACP models
- Convenient field-upgradeable firmware
- Built-in dual path POTS and IP communications with optional cellular models available for reliable backup reporting
- 6860 annunciator with a 4 x 40 large display
- Four user-programmable buttons minimize time spent executing complex or routine tasks
- Built-in USB interface for convenient and quick programming
- Programmable date setting for automatic and convenient Daylight Saving Time changes
- JumpStart® auto programming reduces installation time
- 125 software zones and 125 output groups for flexible design options

SIGNAL LINE CIRCUIT (SLC)

The 6700 SLC loops support multiple device types, maintenance alerts, and a built-in sensor test to comply with NFPA 72 calibration testing requirements.

INDICATOR LIGHTS

- **General Alarm (Red):** Flashes if in alarm; solid when alarm is silenced
- **Supervisory (Yellow):** Flashes if a supervisory condition exists; solid when supervisory is silenced
- **System Trouble (Yellow):** Flashes if a trouble condition exists; solid when trouble is silenced
- **System Silenced (Yellow):**
On when an alarm, trouble or supervisory condition has been silenced but not yet cleared
- **System Power (Green):** Flashes for AC failure; solid when power systems are normal

USER INTERFACE

The 6700 built-in 4 x 20 annunciator with 80 character LCD display and large easy-to-use tactile touchpad can be used for system operation, programming and maintenance. It has five LEDs for alarm, supervisory, system trouble, system silenced and system power.

System operations include silencing alarms and troubles, resetting alarms and the display of alarm troubles and memory. The system's non-volatile event history buffer stores 1,000 events for viewing from the built-in or remote annunciator. System operations can be initiated with a mechanical firefighter's key or a valid 4- to 7-digit operator's code.

PROGRAMMING

The 6700 system offers several options to simplify and speed-up programming. JumpStart® auto programming minimizes programming required to start a new system. The built-in keypad, or the 6860, 5860 or 6855 remote annunciators give you on-site access to current system programming. Programming can also be accomplished using the Windows®-based Honeywell Fire Software Suite (HFSS) program.

SOFTWARE TOOLS

SKST: Silent Knight Selection Tool provides the installer or design architect with a Windows® software system configuration tool to create a detailed Bill of Material (BOM) and battery calculations.

HFSS: Honeywell Fire Software Suite provides communication and panel programming, detector status, event history and additional data. Requires a PC running Microsoft® Windows®.

ADDITIONAL INFORMATION

Twisted-unshielded pair wire is recommended. The 6700 also has 13 preset notification cadence patterns (including ANSI 3.41).

AGENCY LISTINGS AND APPROVALS

NPFA 13, NFPA 15, NFPA 16, NFPA 70, NFPA 72: Central station; remote Signaling; Local Protective Signaling Systems; Auxiliary Protected Premises Unit; Water Deluge releasing service. Suitable for automatic, manual, waterflow, sprinkler supervisory (DACT non-coded) signaling services

- **UL Listed:** S2766
- **CSFM** 7165-0559.0501
- **FDNY COA#** 6250

ORDERING INFORMATION

6700: Addressable Fire Alarm Control Panel. (Red cabinet)

COMPATIBLE ANNUNCIATORS

6860: 4x40 LCD remote fire annunciator (4 lines and up to 160 characters) per system; four programmable buttons

5860: 4x20 LCD remote fire annunciator. 5860 is gray; 5860R is red

6855: 4x20 LCD remote fire annunciator

5865-3 or 5865-4: LED annunciators can display up to 30 LEDs (15 red and 15 yellow). The 5865-4 has key switches for silence and reset, and a system trouble LED.

5880: The 5880 LED / IO module has 40 programmable LED outputs and eight supervised dry contact inputs which are useful for custom applications. You can use up to eight 5880 modules on one control panel for maximum flexibility. Its compact size allows mounting inside the annunciator, or in an accessory cabinet.

6700 COMPATIBLE DEVICES AND ACCESSORIES

See the data sheets listed below for a complete listing of the SK, SD or SWIFT devices.

53623: SK Devices Data Sheet

53624: SD Devices Data Sheet

350614, 350616 & 350618: SWIFT wireless devices

For a complete and current listing of compatible devices and accessories, visit www.silentknight.com

Important: You cannot mix SK and SD devices in the same fire alarm system.

SK COMPATIBLE ADDRESSABLE DEVICES

SK-ACCLIMATE: Multi criteria photoelectric smoke detector with thermal 135°F fixed temperature
SK-BEAM: Reflected beam smoke detector without test feature
SK-BEAM-T: Reflected beam smoke detector with test feature
SK-CONTROL: Supervised control module
SK-CONTROL-6: Six circuit supervised control module
SK-DUCT: Photoelectric duct smoke detector with extended air speed range
SK-FIRE-CO: Four criteria fire and carbon monoxide detector
SK-HEAT: Fixed thermal detector (135°F)
SK-HEAT-W: Fixed thermal detector (135°F), white
SK-HEAT-ROR: Fixed rate of rise detector (135°F)
SK-HEAT-ROR-W: Fixed rate of rise detector (135°F), white
SK-HEAT-HT: Fixed high temperature thermal detector (190°F)
SK-HEAT-HT-W: Fixed high temperature thermal detector (190°F), white
SK-ISO: Fault isolator module
SK-MINIMON: Mini monitor module
SK-MONITOR: Monitor module
SK-MONITOR-2: Dual input monitor module
SK-MON-10: 10 input monitor module
SK-PHOTO: Photoelectric smoke detector
SK-PHOTO-W: Photoelectric smoke detector, white
SK-PHOTO-T: Photoelectric smoke detector with thermal (135°F fixed temperature)
SK-PHOTO-T-W: Photoelectric smoke detector with thermal (135°F fixed temperature), white
SK-PHOTOR: Photoelectric detector with remote test capability
SK-PHOTO-R-W: Photoelectric detector with remote test capability, white
SK-PULL-SA: Addressable single action pull station
SK-PULL-DA: Addressable dual action pull station
SK-RELAY: Addressable relay module
SK-RELAY-6: Addressable Six relay control module
SK-RELAYMON-2: Addressable Dual relay/monitor module
SK-ZONE: Addressable zone interface module
SK-ZONE-6: Six zone interface module
B300-6(-IV): 6" base for SK-W Series
B210LP: 6" mounting base
B501(-BL,-IV,-WHITE): 4" flangeless base
B501: 4" Flangeless mounting base
B200S(-IV,-WH): Intelligent sounder base
B200S: Intelligent sounder base

B200S-LF(-IV,-WH): Low-Frequency intelligent sounder base
B200S-LF: Low-frequency intelligent sounder base
B224RB(-IV,-WH): Relay base
B224RB: Relay base
B224BI(-IV,-WH): Isolator base
B224BI: Isolator base

SD COMPATIBLE ADDRESSABLE DEVICES

SD505-6AB: Addressable 6" base
SD505-6IB: Addressable 6" short circuit isolator base
SD505-6RB: Addressable 6" relay base
SD505-6SB: Addressable 6" sounder base
SD500-AIM: Addressable input module (switch input)
SD500-ANM: Addressable notification module
SD500-ARM: Addressable relay module
SD505-DTS-K: Remote test switch and LED indicator for the SD505-DUCTR
SD505-DUCT: Addressable Duct Smoke Detector.
SD505-DUCTR: Addressable Duct Detector housing with relay base.
SD505-HEAT: Absolute temperature heat detector. Trip point range from 135°F–150°F (0°C–37°C).
SD500-LIM: Addressable Line isolator module
SD500-MIM: Addressable Mini input monitor module (switch input)
SD505-PHOTO: Photoelectric smoke detector
SD500-PS/-PSDA: Addressable Single or dual action pull station
SD500-SDM: Addressable smoke detector module

AUDIBLE/VISIBLE DEVICES

These AV devices are all 2-wire. Color: "R" indicates red; "W" denotes white. For a complete listing of Silent Knight AV devices go to www.silentknight.com.
CHSRL/CHSWL: Wall chime/strobe
CHSCL/CHSCWL: Ceiling chime/strobe
CHRL/CHWL: Wall chime
HRL/HWL: Wall horn
P2RL/P2WL: Wall horn/strobe
PC2RL/PC2WL: Ceiling horn/strobe
SRL/SWL: Wall strobe
SCRL/SCWL: Ceiling strobe
SPSCL/SPSCWL: Ceiling speaker/strobe
SPSRL/SPSWL: Wall speaker/strobe
SPRL/SPWL: Wall speaker
SPCRL/SPCWL: Ceiling speaker

SWIFT WIRELESS DEVICES

SWIFT is only compatible with System Sensor (SK) devices. It is not compatible with Hochiki (SD) devices.

WSK-WGI: Wireless Gateway
WSK-PHOTO: Wireless Photoelectric smoke detector
WSK-PHOTO-T: Wireless Multi-criteria photoelectric smoke detector with thermal detection (135°F fixed temperature) and B510W 4" base
WSK-HEAT: Wireless Heat, (135°F fixed temperature) and B510W 4" base
WSK-HEAT-ROR: Wireless heat, ROR (135°F fixed temperature) and B510W 4" base
WSK-MONITOR: Wireless monitor module
WSK-RELAY: Wireless relay module
W-USB: SWIFT Tools USB transceiver used for communication with SWIFT devices

SBUS ACCESSORIES

5496: A 6 amp notification power expander with four power-limited notification appliance circuit outputs.
5883: Relay interface. Provides 10 Form C relays.
5824: Serial/Parallel printer interface module for printer connection.
5895XL: Power supply with six Flexput[®] circuits, and two Form C relays. Max. 16 per system.
5815RMK: Remote mounting kit. Dimensions 10 3/8"W x 10-3/16"H x 3"D

COMMUNICATION OPTIONS

CELL-CAB-SK: Cellular communicator, metal enclosure with lock/key*
CELL-MOD: Cellular communicator, plastic enclosure*
*Sole path, powered by panel.
IPGSM-4G: Dual path fire alarm communicator, cellular and/or IP (primary or backup, selectable)
SK-IP-2: Remote reporting via the Internet. Requires a VisorAlarm[®] receiver at the central station

MISC. ACCESSORIES

SK-NIC: Network Interface Card. Provides a common communications link for the 6700
SK-NIC-KIT: Installation Accessory Kit
SK-FML: Fiber-Optic Multi Mode, transmitter and receiver
SK-FSL: Fiber-Optic Single Mode
RBB: Remote battery box accessory cabinet for batteries that are too large to fit in the FACP cabinet. Dimensions: 16" W x 10" H x 6" D (406mm W x 254mm H x 152mm D).
SK-SCK: Seismic Compliance Kit used to securely fasten batteries to the fire panel.

6700 Technical Specifications

PHYSICAL

Overall Dimensions: 12.71" W x 15.12" H x 3.33" D
Weight: 15 lbs.
Color: Red

ENVIRONMENTAL

Operating Temperature: 32°F to 120°F (0°C to 49°C)
Humidity: 0 to 93% relative humidity (non-condensing)

ELECTRICAL

6700 Primary AC: 120 VAC @ 60 Hz, 1.5A Total
Accessory Load: 2.5A @ 27.4 VDC power-limited
Standby Current: 165mA
Alarm Current: 310mA
Battery Charging Capacity: 7 to 35AH
Battery Size: 7AH max. allowed in control panel cabinet. Larger capacity batteries can be housed in RBB accessory cabinet.

NOTIFICATION APPLIANCE CIRCUITS (NACs)

Two programmable circuits which can be programmed individually as:

NACs: 2.5A @ 27.4VDC per circuit, power-limited (with a panel maximum current of 2.5A)

Auxiliary Power Circuits: 2.5A @ 27.4VDC per circuit, power-limited

Supports Class B (Style 4) and Class A (Style 6 or 7) configuration for the SLC

WIRING: See the product manual for wiring details

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This document is not intended to be used for installation purposes. We try to keep our product information up-to-date and accurate. We cannot cover all specific applications or anticipate all requirements. All specifications are subject to change without notice.

For Technical Support, call 800-446-6444.

Honeywell Silent Knight

12 Clintonville Road
Northford, CT 06472
800-328-0103
www.silentknight.com



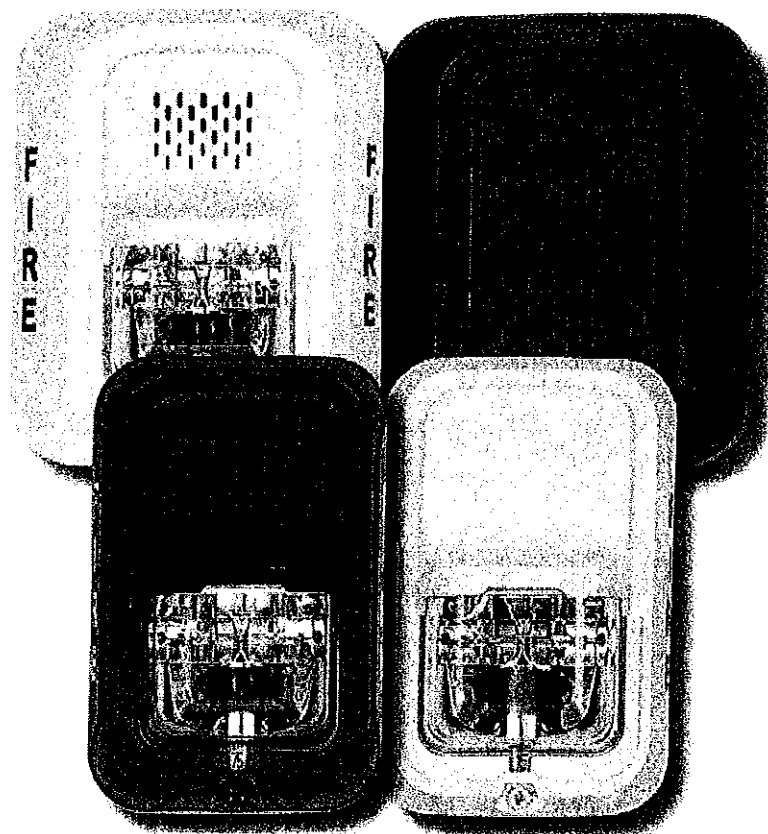
Indoor Selectable-Output Horns, Strobes, and Horn Strobes for Wall Applications

System Sensor L-Series audible visible notification products are rich with features guaranteed to cut installation times and maximize profits with lower current draw and modern aesthetics.

Features

- Updated Modern Aesthetics
- Small profile devices for Horns and Horn Strobes
- Plug-in design with minimal intrusion into the back box
- Tamper-resistant construction
- Automatic selection of 12- or 24-volt operation at 15 and 30 candela
- Field-selectable candela settings on wall units: 15, 30, 75, 95, 110, 135, and 185
- Horn rated at 88+ dBA at 16 volts
- Rotary switch for horn tone and two volume selections
- Mounting plate for all standard and all compact wall units
- Mounting plate shorting spring checks wiring continuity before device installation
- Electrically compatible with legacy SpectrAlert and SpectrAlert Advance devices
- Compatible with MDL3 sync module
- Strobes and Horn Strobes listed for wall mounting only
- Horns listed for wall or ceiling use

Agency Listings



The System Sensor L-Series offers the most versatile and easy-to-use line of horns, strobes, and horn strobes in the industry with lower current draws and modern aesthetics. With white and red plastic housings, standard and compact devices, and plain, FIRE, and FUEGO-printed devices, System Sensor L-Series can meet virtually any application requirement.

The L-Series line of wall-mount horns, strobes, and horn strobes include a variety of features that increase their application versatility while simplifying installation. All devices feature plug-in designs with minimal intrusion into the back box, making installations fast and foolproof while virtually eliminating costly and time-consuming ground faults.

To further simplify installation and protect devices from construction damage, the L-Series utilizes a universal mounting plate for all models with an onboard shorting spring, so installers can test wiring continuity before the device is installed.

Installers can also easily adapt devices to suit a wide range of application requirements using field-selectable candela settings, automatic selection of 12- or 24-volt operation, and a rotary switch for horn tones with two volume selections.

L-Series Specifications

Architect/Engineer Specifications

General

L-Series standard horns, strobes, and horn strobes shall mount to a standard 2 x 4 x 1⁷/₈-inch back box, 4 x 4 x 1¹/₂-inch back box, 4-inch octagon back box, or double-gang back box. L-Series compact products shall mount to a single-gang 2 x 4 x 1⁷/₈-inch back box. A universal mounting plate shall be used for mounting ceiling and wall products for all standard models and a separate universal mounting plate shall be used for mounting wall compact models. The notification appliance circuit wiring shall terminate at the universal mounting plate. Also, L-Series products, when used with the Sync•Circuit™ Module accessory, shall be powered from a non-coded notification appliance circuit output and shall operate on a nominal 12 or 24 volts. When used with the Sync•Circuit Module, 12-volt-rated notification appliance circuit outputs shall operate between 8.5 and 17.5 volts; 24-volt-rated notification appliance circuit outputs shall operate between 16.5 and 33 volts. Indoor L-Series products shall operate between 32 and 120 degrees Fahrenheit from a regulated DC or full-wave rectified unfiltered power supply. Strobes and horn strobes shall have field-selectable candela settings including 15, 30, 75, 95, 110, 135, and 185.

Strobe

The strobe shall be a System Sensor L-Series Model _____ listed to UL 1971 and shall be approved for fire protective service. The strobe shall be wired as a primary-signaling notification appliance and comply with the Americans with Disabilities Act requirements for visible signaling appliances, flashing at 1 Hz over the strobe's entire operating voltage range. The strobe light shall consist of a xenon flash tube and associated lens/reflector system.

Horn Strobe Combination

The horn strobe shall be a System Sensor L-Series Model _____ listed to UL 1971 and UL 464 and shall be approved for fire protective service. The horn strobe shall be wired as a primary-signaling notification appliance and comply with the Americans with Disabilities Act requirements for visible signaling appliances, flashing at 1 Hz over the strobe's entire operating voltage range. The strobe light shall consist of a xenon flash tube and associated lens/reflector system. The horn shall have two audibility options and an option to switch between a temporal three pattern and a non-temporal (continuous) pattern. These options are set by a multiple position switch. The horn on horn strobe models shall operate on a coded or non-coded power supply.

Synchronization Module

The module shall be a System Sensor Sync•Circuit model MDL3 listed to UL 464 and shall be approved for fire protective service. The module shall synchronize Strobes at 1 Hz and horns at temporal three. Also, while operating the strobes, the module shall silence the horns on horn strobe models over a single pair of wires. The module shall mount to a 4¹/₁₆ x 4¹/₁₆ x 2⁷/₈-inch back box. The module shall also control two Style Y (class B) circuits or one Style Z (class A) circuit. The module shall synchronize multiple zones. Daisy chaining two or more synchronization modules together will synchronize all the zones they control. The module shall not operate on a coded power supply.

Physical/Electrical Specifications

Standard Operating Temperature	32°F to 120°F (0°C to 49°C)
Humidity Range	10 to 93% non-condensing
Strobe Flash Rate	1 flash per second
Nominal Voltage	Regulated 12 DC or regulated 24 DC/FWR ¹
Operating Voltage Range ²	8 to 17.5 V (12 V nominal) or 16 to 33 V (24 V nominal)
Operating Voltage Range MDL3 Sync Module	8.5 to 17.5 V (12 V nominal) or 16.5 to 33 V (24 V nominal)
Input Terminal Wire Gauge	12 to 18 AWG
Wall-Mount Dimensions (including lens)	5.6" L x 4.7" W x 1.91" D (143 mm L x 119 mm W x 49 mm D)
Compact Wall-Mount Dimensions (including lens)	5.26" L x 3.46" W x 1.91" D (133 mm L x 88 mm W x 49 mm D)
Horn Dimensions	5.6" L x 4.7" W x 1.25" D (143 mm L x 119 mm W x 32 mm D)
Compact Horn Dimensions	5.25" L x 3.45" W x 1.25" D (133 mm L x 88 mm W x 32 mm D)

1. Full Wave Rectified (FWR) voltage is a non-regulated, time-varying power source that is used on some power supply and panel outputs.

2. Strobe products will operate at 12 V nominal only for 15 cd and 30 cd.

UL Current Draw Data

UL Max. Strobe Current Draw (mA RMS)				
Candela Range	Candela	8-17.5 Volts		
		DC	DC	FWR
Candela Range	15	88	43	60
	30	143	63	83
	75	N/A	107	136
	95	N/A	121	155
	110	N/A	148	179
	135	N/A	172	209
	185	N/A	222	257

UL Max. Horn Current Draw (mA RMS)				
Sound Pattern	dB	8-17.5 Volts		
		DC	DC	FWR
Temporal	High	39	44	54
Temporal	Low	28	32	54
Non-Temporal	High	43	47	54
Non-Temporal	Low	29	32	54
3.1 KHz Temporal	High	39	41	54
3.1 KHz Temporal	Low	29	32	54
3.1 KHz Non-Temporal	High	42	43	54
3.1 KHz Non-Temporal	Low	28	29	54
Coded	High	43	47	54
3.1 KHz Coded	High	42	43	54

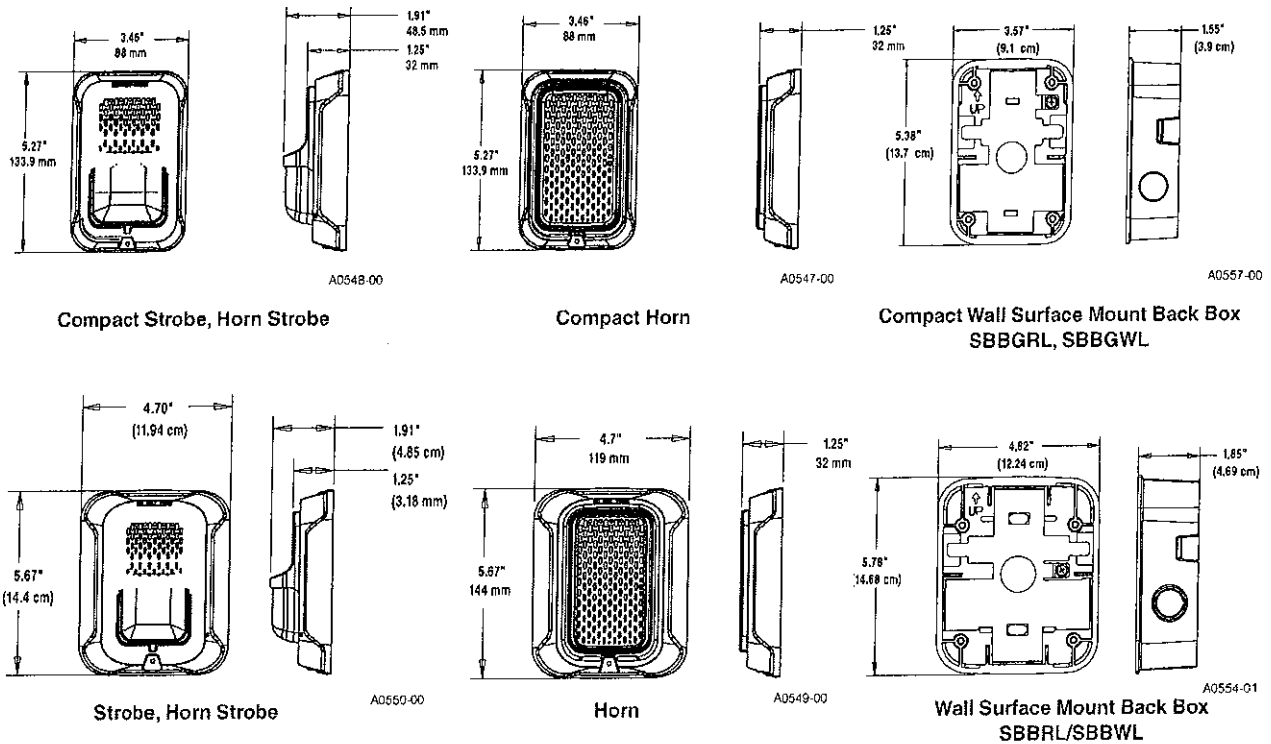
UL Max. Current Draw (mA RMS), Wall Horn Strobe, Candela Range (15-185 cd)										
DC Input	8-17.5 Volts				16-33 Volts					
	15cd	30cd	15cd	30cd	75cd	95cd	110cd	135cd	185cd	
Temporal High	98	158	54	74	121	142	162	196	245	
Temporal Low	93	154	44	65	111	133	157	184	235	
Non-Temporal High	106	166	73	94	139	160	182	211	262	
Non-Temporal Low	93	156	51	71	119	139	162	190	239	
3.1K Temporal High	93	156	53	73	119	140	164	190	242	
3.1K Temporal Low	91	154	45	66	112	133	160	185	235	
3.1K Non-Temporal High	99	162	69	90	135	157	175	208	261	
3.1K Non-Temporal Low	93	156	52	72	119	138	162	192	242	
FWR Input	16-33 Volts									
FWR Input	15cd	30cd	75cd	95cd	110cd	135cd	185cd			
Temporal High	83	107	156	177	198	234	287			
Temporal Low	68	91	145	165	185	223	271			
Non-Temporal High	111	135	185	207	230	264	316			
Non-Temporal Low	79	104	157	175	197	235	283			
3.1K Temporal High	81	105	155	177	196	234	284			
3.1K Temporal Low	68	90	145	166	186	222	276			
3.1K Non-Temporal High	104	131	177	204	230	264	326			
3.1K Non-Temporal Low	77	102	156	177	199	234	291			

Horn Tones and Sound Output Data

Horn and Horn Strobe Output (dBA)					
Switch Position	Sound Pattern	dB	8-17.5	16-33	
			Volts	Volts	FWR
1	Temporal	High	84	89	89
2	Temporal	Low	75	83	83
3	Non-Temporal	High	85	90	90
4	Non-Temporal	Low	76	84	84
5	3.1 KHz Temporal	High	83	88	88
6	3.1 KHz Temporal	Low	76	82	82
7	3.1 KHz Non-Temporal	High	84	89	89
8	3.1 KHz Non-Temporal	Low	77	83	83
9*	Coded	High	85	90	90
10*	3.1 KHz Coded	High	84	89	89

* Settings 9 and 10 are not available on 2-wire horn strobes. Temporal coding must be provided by the NAC. If the NAC voltage is held constant, the horn output remains constantly on.

L-Series Dimensions



L-Series Ordering Information

Model	Description
Wall Horn Strobes	
P2RL	2-Wire, Horn Strobe, Red
P2WL	2-Wire, Horn Strobe, White
P2GRL	2-Wire, Compact Horn Strobe, Red
P2GWL	2-Wire, Comp 2 fils act Horn Strobe, White
P2RL-P	2-Wire, Horn Strobe, Red, Plain
P2WL-P	2-Wire, Horn Strobe, White, Plain
P2RL-SP	2-Wire, Horn Strobe, Red, FUEGO
P2WL-SP	2-Wire, Horn Strobe, White, FUEGO
P4RL	4-Wire, Horn Strobe, Red
P4WL	4-Wire, Horn Strobe, White
Wall Strobes	
SRL	Strobe, Red
SWL	Strobe, White
SGRL	Compact Strobe, Red
SGWL	Compact Strobe, White
SRL-P	Strobe, Red, Plain
SWL-P	Strobe, White, Plain
SRL-SP	Strobe, Red, FUEGO
SWL-CLR-ALERT	Strobe, White, ALERT

Model	Description
Horns*	
HRL*	Horn, Red
HWL*	Horn, White
HGRL*	Compact Horn, Red
HGWL*	Compact Horn, White
Accessories	
TR-2	Universal Wall Trim Ring Red
TR-2W	Universal Wall Trim Ring White
SBBRL	Wall Surface Mount Back Box, Red
SBBWL	Wall Surface Mount Back Box, White
SBBGRL	Compact Wall Surface Mount Back Box, Red
SBBGWL	Compact Wall Surface Mount Back Box, White

Notes:

- All -P models have a plain housing (no "FIRE" marking on cover).
- All -SP models have "FUEGO" marking on cover.
- All -ALERT models have "ALERT" marking on cover.
- *Horn-only models are listed for wall or ceiling use.



3825 Ohio Avenue • St. Charles, IL 60174
 Phone: 800-SENSOR2 • Fax: 630-377-6495
 www.systemsensor.com

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Honeywell



SK-PULL-SA / SK-PULL-DA

Intelligent Pull Stations

The SK-PULL-SA is a single action pull station requiring only one motion to activate the station. The SK-PULL-DA is a dual action pull station requiring two motions to activate the station. The SK-PULL-SA and SK-PULL-DA are for use with Honeywell Silent Knight Series fire control panel (FACP).

Extremely easy to operate, the SK-PULL-DA and SK-PULL-SA provide a fast and practical means of manually initiating a fire alarm signal. The FACP recognizes each manual pull station by its specific address saving precious seconds in determining the location of an alarm.

INSTALLATION

The SK-PULL-SA and SK-PULL-DA can be surface mounted to an SB-I/O surface back box or semi-flush mounted on a standard single-gang with a minimum depth of 2.13" (5.40 cm) or double gang or 4" (10.61 cm) square electrical box. You can also use the optional (System Sensor® PN BG-TR) trim ring if the station is being semi-flush mounted.



SK-PULL-SA



SK-PULL-DA

FEATURES & BENEFITS

- Installer can open station without causing an alarm condition
- Dual-color LED is visible through handle of station blinks green to indicate normal operation and remains steady red in an alarm condition
- Key operated test and reset lock using lock plate actuator
- Key matches compatible FACP locks
- Meets ADA requirement for 5 lbs maximum pull force to active
- Meets the Americans with Disabilities Act Accessibility Guidelines (ADAAG) controls and operating mechanisms guidelines (Section 4.1.3[13])
- Shell, door, and handle molded from durable LEXAN®
- Reliable analog communications for trouble-free operation
- Braille text on station handle
- Rotary address switches for fast installation
- Handle latches in down position and the word Activated appears, clearly indicating the station has been pulled
- UL Listed, including UL 38, Standard of Manually Actuated Signaling System
- CSFM Listed
- MEA Listed

SK-PULL-SA / SK-PULL-DA Technical Specifications

PHYSICAL

Dimensions: 5.5" H x 4" W x 1.45" D (14 x 10.2 x 3.7cm)

Housing Material: LEXAN polycarbonate resin

Bi-Colored LED:

Blinking Green: Normal

Steady Red: Alarm

Switch: Single pole, single throw (SPST) normally open (N/O) switch which closes upon activation of the pull station

ELECTRICAL

Operating Voltage: 15 – 32VDC

SLC Standby and Alarm Current: 350 μ A

Wire Gauge: Up to 12AWG (3.1 mm²)

ENVIRONMENTAL

Operating Temperature: 32°F – 120°F (0°C – 49°C)

Humidity: 10% – 93% non-condensing

ORDERING INFORMATION

SK-Pull-SA: Single Action Pull Station

SK-Pull-DA: Dual Action Pull Station

ACCESSORIES

BG-TR: Optional trim ring.

SB-I/O: Surface backbox, indoor/outdoor.

* Unless otherwise noted, specifications apply to SK-Pull-SA and SK-Pull-DA

COMPATIBILITY

The SK-PULL-SA AND SK-PULL-DA are compatible with the following Honeywell Silent Knight fire alarm control panels:

6820: Addressable fire alarm control panel

6820EVS: Addressable fire alarm control panel with an emergency voice system.

6808: Addressable fire alarm control panel

6700: Addressable fire alarm control panel

5700: Addressable fire alarm control panel

5808: Addressable fire alarm control panel

5820XL: Addressable fire alarm control panel

5820XL-EVS: Addressable fire alarm control panel with an emergency voice system

For a complete listing of all compliance approvals and certifications, please visit www.silentknight.com.

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For more information

Learn more about Honeywell Silent Knight and other products by visiting www.silentknight.com

Honeywell Silent Knight

12 Clintonville Road
Northford, CT 06472
800-328-0103

Honeywell

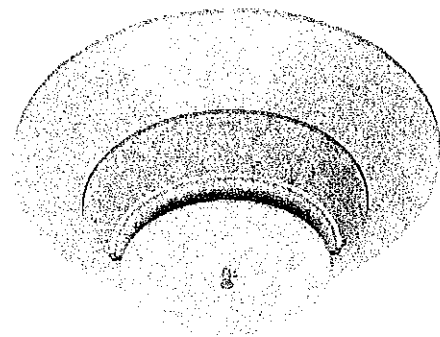


SK-HEAT-W Series

Intelligent Thermal (Heat) Detector

Honeywell Silent Knight SK-HEAT-W Series intelligent thermal detectors are designed for both performance and aesthetics. A new modern, sleek, contemporary design and advanced thermal technologies make the SK-HEAT-W Series ideal for both system operation and building design.

The point ID address, set using rotary decimal switches, provide specific detector locations. The series includes a 135°F/57°C fixed temperature, rate-of-rise and a 190°F/88°C fixed high-temperature detectors. These thermal detectors provide effective, intelligent property protection in a variety of applications.



SK-HEAT-W

FEATURES & BENEFITS

- Sleek and stylish contemporary design
- Advanced thermal technology for fast response
- Fixed temperature model (SK-HEAT-W) factory preset to 135°F (57°C)
- Rate-of-rise model (SK-HEAT-W-ROR), 15°F (8.3°C) per minute
- High temperature model (SK-HEAT-W-HT) factory preset to 190°F (88°C)
- Addressable by device
- Two-wire SLC connection
- Visible LEDs "blink" every time the unit is addressed
- Built-in tamper-resistant feature
- 360°-field viewing angle of the visual alarm indicators (two bi-color LEDs). LEDs blink green in Normal condition and turn on steady red in Alarm.
- Integral communications and built-in device-type identification
- Remote test feature from the panel
- Built-in functional test switch activated by external magnet
- Walk test with address display (an address of 121 will blink the detector LED 12-(pause)-1)
- Low standby current
- Designed for direct surface or electrical box mounting
- Sealed against back pressure
- Plugs into separate base for ease of installation and maintenance
- SEMS screws for wiring of the separate base
- Optional remote, single-gang LED accessory

APPLICATIONS

Use thermal detectors for protection of property. For further information, refer to manual I56-6541, Applications Manual for System Smoke Detectors, which provides detailed information on detector spacing, placement, zoning, wiring, and special applications

INSTALLATION

The SK-HEAT-W Series plug-in intelligent thermal detectors use a separate base to simplify installation, service, and maintenance. Installation instructions are shipped with each detector

Mount base (all base types) on an electrical backbox which is at least 1.5" (3.81 cm) deep.

NOTE:

- Because of the inherent supervision provided by the SLC loop, end-of-line resistors are not required. Wiring "T-taps" or branches are permitted for Style 4 (Class "B") wiring.
- When using relay or sounder bases, consult the installation sheet for device limitations between isolator modules and isolator bases.

NOTE: Detectors must be mounted to one of the Intelligent Bases listed below.

ORDERING INFORMATION

SK-HEAT-W: Thermal heat detector, 135°F fixed, white.

SK-HEAT-ROR-W: Thermal heat detector, 135°F rate of rise, white.

SK-HEAT-HT-W: Thermal heat detector, 190°F high temp, white.

INTELLIGENT BASES

B300-6: White, standard flanged low-profile mounting base.

B300-6-BP: Bulk pack of B300-6, package contains 10.

B300-6-IV: Ivory, standard flanged low-profile mounting base.

B300A-6-IV: Ivory, standard flanged low-profile mounting base. UL listed.

B501-WHITE: White, standard European flangeless mounting base. UL listed.

B501-BL: Black, standard European flangeless mounting base. UL listed.

B501-IV: Ivory, standard European flangeless mounting base. UL listed.

B200S-WH: White, Intelligent, programmable sounder base.

B200S-IV: Ivory, Intelligent, programmable sounder base.

B200SR-WH: White, Intelligent sounder base for retrofit applications.

B200SR-IV: Ivory, Intelligent sounder base for retrofit applications.

B200S-LF-WH: White, Low Frequency Intelligent, programmable sounder base.

B200S-LF-IV: Ivory, Low Frequency Intelligent, programmable sounder base.

B200SR-LF-WH: White, Low Frequency Intelligent sounder base for retrofit applications.

B200SR-LF-IV: Ivory, Low Frequency Intelligent sounder base for retrofit applications.

B224RB-WH: White, plug-in System Sensor relay base.

B224RB-IV: Ivory, plug-in System Sensor relay base.

B224BI-WH: White, plug-in System Sensor isolator detector base.

B224BI-IV: Ivory, plug-in System Sensor isolator detector base.

ACCESSORIES

CK300: Color Kit (includes cover and trim ring), white, 10-Pack.

CK300-IV: Color Kit (includes cover and trim ring), ivory, 10-Pack.

CK300-BL: Color Kit (includes cover and trim ring), black, 10-Pack.

M02-04-01: Detector test magnet.

M02-09-00: Telescoping test magnet.

RA100Z: Remote LED annunciator

SMB600: Surface Mounting Kit (flanged).

TR300: Replacement trim ring for B300-6, white.

TR300-IV: Replacement trimring for B300-6-IV, ivory..

SK-HEAT-W Series Detector Technical Specifications

PHYSICAL

Height: 2.0" (51mm) installed in B300-6 base

Diameter: 6.2" (156mm) installed in B300-6 base
4.1" (104 mm) installed in B501 base

Weight: 3.4 oz (95 g)

ENVIRONMENTAL

Operating Temperature range:

Heat -Fixed temperature: -4°F to 100°F (-20°C to 38°C)

Heat -Rate of Rise (ROR): -4°F to 100°F (-20°C to 38°C)

Heat -High Temperature: -4°F to 150°F (-20°C to 66°C)

Humidity: 10% to 93% non-condensing

Thermal Ratings: Fixed Temperature Set point:
135°F (57°C)

Rate-of-Rise Detection: 15°F/min. (8.3°C/min)

High Temperature Heat: 190°F (88°C)Electrical Ratings

ELECTRICAL RATINGS

Voltage Range: 15 to 32VDC peak

Standby current (max. avg.): 200uA @ 24 VDC
(one communication every 5 seconds with LED enabled).

LED current (max.): 4.5mA @ 24 VDC ("ON").

COMPATIBILITY

The SK-HEAT-W series detectors are compatible with the following Honeywell Silent Knight fire alarm control panels:

6820: Addressable fire alarm control panel

6820EVS: Addressable fire alarm control panel with an emergency voice system.

6808: Addressable fire alarm control panel

6700: Addressable fire alarm control panel

5700: Addressable fire alarm control panel

5808: Addressable fire alarm control panel

5820XL: Addressable fire alarm control panel

5820XL-EVS: Addressable fire alarm control panel with an emergency voice system

AGENCY LISTINGS AND APPROVALS

For exact certification listings for each model, please reference the respective agency Web site.

UL listed: S2101

FM Approved

CSFM: 7270-0559:0511

For a complete listing of all compliance approvals and certifications, please visit www.silentknight.com.

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Silent Knight[®], System Sensor[®] and Honeywell[®] are registered trademarks of Honeywell International, Inc.

This document is not intended to be used for installation purposes. We try to keep our product information up-to-date and accurate. We cannot cover all specific applications or anticipate all requirements. All specifications are subject to change without notice.

For Technical Support, call 800-446-6444.

For more information

Learn more about Honeywell Silent Knight and other products by visiting www.silentknight.com

Honeywell Silent Knight

12 Clintonville Road
Northford, CT 06472
800-328-0103

Honeywell



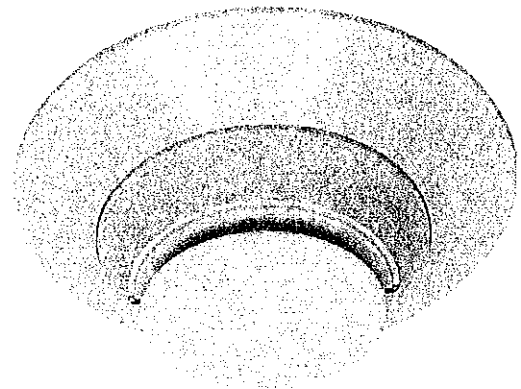
SK-PHOTO-W Series

Intelligent Plug-In Photoelectric Smoke Detector

Honeywell Silent Knight SK-PHOTO-W Series plug-in smoke detectors are designed for both performance and aesthetics. A new modern, sleek, contemporary design and enhanced optical sensing chamber is engineered to sense smoke produced by a wide range of combustion sources in accordance with more stringent code standards.

The SK-PHOTO-W Series detector sensitivity can be programmed in the control panel software. Sensitivity is continuously monitored and reported to the panel. Point ID capability allows each detector's address to be set with rotary, decimal address switches, providing exact detector location for selective maintenance when chamber contamination reaches an unacceptable level.

Dual electronic thermistors add 135°F (57°C) fixed temperature thermal sensing on the SK-PHOTO-T-W. The SK-PHOTO-R-W is a remote test capable detector for use with DNR Series duct detector housings.



SK-PHOTO-W

FEATURES & BENEFITS

- New modern profile for improved aesthetics
- Stable communication technique with noise immunity
- Low standby current
- Two-wire SLC connection
- Optional remote, single-gang LED accessory
- Dual LED design provides 360° viewing angle
- Remote test feature from the panel
- Built-in functional test switch activated by external magnet
- Built-in tamper-resistant feature
- Sealed against back pressure
- Expanded color options
- SEMS screws for wiring of the separate base
- Optional relay, isolator, and sounder bases
- Plugs into separate base for ease of installation and maintenance

DETECTOR SPACING AND APPLICATIONS

Honeywell recommends spacing detectors in compliance with NFPA 72. In low airflow applications with smooth ceiling, space detectors 30 feet (9m). For specific information regarding detector spacing, placement, and special applications refer to NFPA 72. System Smoke Detector Application Guide, document A05-1003, is available at systemsensor.com

INSTALLATION

The SK-PHOTO-W Series plug-in detectors use a separate base to simplify installation, service, and maintenance. Installation instructions are shipped with each detector.

Mount base (all base types) on an electrical backbox which is at least 1.5" (3.81 cm) deep.

NOTE:

- Because of the inherent supervision provided by the SLC loop, end-of-line resistors are not required. Wiring "T-taps" or branches are permitted for Style 4 (Class "B") wiring.
- When using relay or sounder bases, consult the installation sheet for device limitations between isolator modules and isolator bases.

ORDERING INFORMATION

SK-PHOTO-W: Photoelectric smoke detector, white.

SK-PHOTO-R-W: Photoelectric smoke detector, remote test capable, for use with DNR(W) duct smoke detectors, white.

SK-PHOTO-T-W: Photoelectric smoke detector with thermal sensing, white.

INTELLIGENT BASES

B300-6: White, standard flanged low-profile mounting base.

B300-6-BP: Bulk pack of B300-6, package contains 10.

B300-6-IV: Ivory, standard flanged low-profile mounting base.

B501-WHITE: White, standard European flangeless mounting base. UL listed.

B501-BL: Black, standard European flangeless mounting base. UL listed.

B501-IV: Ivory, standard European flangeless mounting base. UL listed.

B200S-WH: White, Intelligent, programmable sounder base.

B200S-IV: Ivory, Intelligent, programmable sounder base.

B200SR-WH: White, Intelligent sounder base for retrofit applications.

B200SR-IV: Ivory, Intelligent sounder base for retrofit applications.

B200S-LF-WH: White, Low Frequency Intelligent, programmable sounder base.

B200S-LF-IV: Ivory, Low Frequency Intelligent, programmable sounder base.

B200SR-LF-WH: White, Low Frequency Intelligent sounder base for retrofit applications.

B200SR-LF-IV: Ivory, Low Frequency Intelligent sounder base for retrofit applications.

B224RB-WH: White, plug-in System Sensor relay base.

B224RB-IV: Ivory, plug-in System Sensor relay base.

B224BI-WH: White, plug-in System Sensor isolator detector base.

B224BI-IV: Ivory, plug-in System Sensor isolator detector base.

ACCESSORIES

CK300: Color Kit (includes cover and trim ring), white, 10-Pack.

CK300-IV: Color Kit (includes cover and trim ring), ivory, 10-Pack.

CK300-BL: Color Kit (includes cover and trim ring), black, 10-Pack.

M02-04-01: Detector test magnet.

M02-09-00: Telescoping test magnet.

RA100Z: Remote LED annunciator

SMB600: Surface Mounting Kit (flanged).

TR300: Replacement trim ring for B300-6, white.

TR300-IV: Replacement trimring for B300-6-IV, ivory.

SK-PHOTO-W Series Detector Technical Specifications

PHYSICAL

Height: 2.0" (51mm) installed in B300-6 base

Diameter: 6.2" (156mm) installed in B300-6 base
4.1" (104 mm) installed in B501 base

Weight: 3.4 oz (95 g)

ENVIRONMENTAL

Operating Temperature range:

Photo: 32°F to 122°F (0°C to 50°C)

Photo with Thermal: 32°F to 100°F (0°C to 38°C)

UL listed Velocity range: Photo/Photo with Thermal: 0 to 4,000 fpm (0 to 20 m/sec)
(suitable for installation in ducts)

Humidity: 10% to 93% non-condensing

Thermal Ratings: Fixed Temperature Set point: 135°F (57°C)

ELECTRICAL RATINGS

Voltage Range: 1.5 to 32VDC peak

Operating Current @ 24VDC: 200µA (one communication every 5 seconds with green LED blink on communication)

Maximum Current: 4.5mA @ 24VDC (one communication every 5 seconds with amber LED solid on).

COMPATIBILITY

The SK-PHOTO-W series detectors are compatible with the following Honeywell Silent Knight fire alarm control panels:

6820: Addressable fire alarm control panel

6820EVS: Addressable fire alarm control panel with an emergency voice system.

6808: Addressable fire alarm control panel

6700: Addressable fire alarm control panel

5700: Addressable fire alarm control panel

5808: Addressable fire alarm control panel

5820XL: Addressable fire alarm control panel

5820XL-EVS: Addressable fire alarm control panel with an emergency voice system

AGENCY LISTINGS AND APPROVALS

For exact certification listings for each model, please reference the respective agency Web site.

UL listed: S6173

FM approved

CSFM: 7272-0559:0523

For a complete listing of all compliance approvals and certifications, please visit www.silentknight.com.

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For Technical Support, call 800-446-6444.

For more information

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Honeywell Silent Knight

12 Clintonville Road
Northford, CT 06472
800-328-0103

December 7, 2018

To: KFPD Board Members

AGENDA ITEM 13

Fr: Brenda Navellier
Manager

Re: Kensington Fire Demonstration Garden

In October 2017, the Kensington Fire Protection District and the Kensington Police Protection and Community Services District signed a Memorandum of Understanding to develop a fire-wise demonstration garden within Kensington Park. The cost and maintenance of this garden will be the responsibility of KFPD only per the MOU.

Since that time, KFPD hired a landscape architect to develop plans and construction documents for the project and also hired a surveyor to perform a topographical survey, both in May 2018.

Staff, the landscape architect, and the Demonstration Garden Committee of Director Kosel also met with KPPCSD's representative Sylvia Hacaj regarding the draft documents and received input from Director Hacaj, a library representative and several community representatives.

Attached are the draft construction documents for the Kensington Fire Demonstration Garden and a colored conceptual drawing.

Staff is looking for Board direction on whether the attached documents meet the desired project goal and if, in the new year, the project should now be put out to bid.

492.3: PROJECT INFORMATION

DATE: OCTOBER, 2014
 PROJECT APPLICANT: KENSINGTON FIRE PROTECTION DISTRICT
 PROJECT ADDRESS: KENSINGTON, CA
 TOTAL LANDSCAPE AREA (SF): 2,842
 PROJECT TYPE: PUBLIC
 (NEW, REHABILITATED, PUBLIC, PRIVATE, CEMETERY, HOMEOWNER-INSTALLED)
 WATER SUPPLY TYPE: POTABLE
 POTABLE/RECYCLED/WELL
 LOCAL WATER PURVEYOR: EBMUD

WEL0 DOCUMENTATION PACKAGE

- MWEL0 DOCUMENTATION: I60
- LANDSCAPE DESIGN PLAN: L10
- IRRIGATION DESIGN PLAN: L20
- GRADING DESIGN PLAN: SEE CIVIL PLANS

NOTE THAT THIS LIST IS FOR MWEL0 COMPLIANCE ONLY AND IS NOT THE SAME AS THE SHEET LIST IN THE CD PACKAGE

LANDSCAPE DESIGN INTENT

DESIGN COMPLIES WITH THE WATER EFFICIENT LANDSCAPE ORDINANCE, THE DESIGN REDUCES WATER USE AND CLIMATE ADAPTED SPECIES, LOW MAINTENANCE, REDUCED WATER USE AND CLIMATE ADAPTED SPECIES.

492.6: LANDSCAPE DESIGN PLAN

THE LANDSCAPE IS DESIGNED TO COMPLY WITH WEL0, THE STATE OF CALIFORNIA WATER EFFICIENT LANDSCAPE ORDINANCE.

1. THE DESIGN IS DROUGHT RESILIENT AND FIRE RESISTANT
2. SPECIES ARE SEASONAL
3. PLANTS ARE PLACED IN APPROPRIATE MICROCLIMATES
4. PLANTS ARE GROUPED IN HYDROZONES BASED ON SIMILAR WATER NEEDS AND
5. HYDROZONES ARE DELINEATED AND LABELLED.

492.7: IRRIGATION DESIGN PLAN

492.7 THE IRRIGATION SYSTEM IS DESIGNED TO COMPLY WITH WEL0, THE STATE OF CALIFORNIA WATER EFFICIENT LANDSCAPE ORDINANCE.

1. THE DESIGN OF THE IRRIGATION SYSTEM CONFORMS TO THE HYDROZONES OF THE LANDSCAPE.
2. THE SYSTEM IS DESIGNED TO REDUCE WATER USE TO THE MINIMUM AMOUNT TO SUSTAIN HEALTHY PLANT GROWTH AND TO PREVENT RUNOFF, LOW HEAD BACKFLOW PROTECTION IS INSTALLED AT THE POINT OF CONNECTION.
3. A SEPARATE DEDICATED WATER METER OR SUBMETER IS PROVIDED.
4. A SMART CONTROLLER WITH NON-VOLATILE MEMORY AND UTILIZING INSTALLED MEASURES SENSORS AND TEMPERATURE DATA FOR SCHEDULING IS PROVIDED.
5. STATIC WATER PRESSURE AT THE POINT OF CONNECTION IS PROVIDED.
6. PRESSURE REGULATION IS PROVIDED.
7. PRESSURE REGULATION IS PROVIDED.
8. A FLOW SENSOR IS INSTALLED.
9. MANUAL SHUT-OFF VALVES ARE PROVIDED AT THE POINT OF CONNECTION, BEFORE EACH VALVE ASSEMBLY AND BEFORE AND AFTER EACH SLEEVE.
10. SEPARATE VALVES ARE USED TO IRRIGATE EACH HYDROZONE.
11. PROVIDE A SCHEDULE.
12. FOR ZONES WITH DEEP ROOTED TREES SCHEDULE THE STATIONS TO RUN AT A MEDIUM FREQUENCY AND MEDIUM DURATION.
13. FOR ZONES WITH MEDIUM ROOTED SHRUBS SCHEDULE THE STATIONS TO RUN AT A MEDIUM FREQUENCY AND MEDIUM DURATION.
14. FOR ZONES WITH LOW ROOTED GROUNDCOVERS SCHEDULE THE STATIONS TO RUN AT A HIGH FREQUENCY AND SHORT DURATION.

492.4: WATER EFFICIENT LANDSCAPE WORKSHEET

Reference Eucalyptus/decid (ETO)	Kensington Fire Demonstration Garden	ETAF	IRRI	ETAF	IRRI	ETAF	IRRI
ETAF ESTIMATED TOTAL WATER USE (ETAF X 0.02 X HA) (ETAF X HA) (E) (E) (E) (E)	ETAF ESTIMATED TOTAL WATER USE (ETAF X 0.02 X HA) (ETAF X HA) (E) (E) (E) (E)	ETAF	IRRI	ETAF	IRRI	ETAF	IRRI
1	0.40	0.49	0.81	0.49	0.81	0.49	0.81
2	0.20	0.25	0.81	0.25	0.81	0.25	0.81
3	0.20	0.25	0.81	0.25	0.81	0.25	0.81
SUBTOTAL							
Special Landscape Areas (SLA)							
NA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL							
ETWU TOTAL							
ETWU	2,843.00	NA	20,484.25	ETWU	20,484.25	ETWU	20,484.25

MWEL0: MAXIMUM ALLOWED WATER USE = (ETWU/0.02) (ETAF X SLA) = (11,279.35 X SLA)

ETO CONVERSION FACTOR ETAF X LA = D 1 X ETAF X SLA = D-E

39.6 0.62 0.45 1,279.35 E 0.00 1,279.35

ETWU AVERAGE ETWU MUST BE: RESIDENTIAL - 5% NON-RESIDENTIAL - 4%

MWEL0: RESIDENTIAL - 5% NON-RESIDENTIAL - 4%

PLANT FACTOR: 1.0, 1.1, 1.2, 1.3, 1.4, 1.5, 1.6, 1.7, 1.8

ACTUAL LWMA AREA = 25%

IRRIGATION EFFICIENCY (E) SPINNAZZA, DRIP = 81%

ACTUAL LWMA AREA = 25%

ETWU COMPLES WITH MWEL0

490.1: APPLICABILITY

THIS PLAN SHEET IS FOR USE BY MEASURES IN APPENDIX D, 1) (IF BETWEEN 500 - 2,500 SF MAY COMPLY WITH PRESCRIPTIVE MEASURES IN APPENDIX D, 2) REHABILITATED LANDSCAPES > 2,500 SF.

TITLE 24, PART 11, CALIFORNIA GREEN BUILDING CODE (CALGREEN)

STATE MODEL WATER EFFICIENT LANDSCAPE ORDINANCE.

FILE NAME: WATER EFFICIENT LANDSCAPE ORDNANCE.

FILE NAME: WATER EFFICIENT LANDSCAPE ORDNANCE.

PHASE 1: PRE-CONSTRUCTION SIGNATURES

492.3: LANDSCAPE DOCUMENTATION PACKAGE

I AGREE TO COMPLY WITH THE REQUIREMENTS OF THE WATER EFFICIENT LANDSCAPE ORDINANCE AND SUBMIT A COMPLETE LANDSCAPE DOCUMENTATION PACKAGE.

APPLICANT SIGNATURE

DATE

492.6: LANDSCAPE DESIGN PLAN

I HAVE COMPLIED WITH THE CRITERIA OF THE ORDINANCE AND APPLIED THEM FOR THE EFFICIENT USE OF WATER IN THE IRRIGATION DESIGN PLAN.

DESIGNER SIGNATURE

DATE

LICENSED LANDSCAPE ARCHITECT, LICENSED LANDSCAPE CONTRACTOR OR OTHER APPROVED PERSON

492.7: IRRIGATION DESIGN PLAN

I HAVE COMPLIED WITH THE CRITERIA OF THE ORDINANCE AND APPLIED THEM ACCORDINGLY FOR THE EFFICIENT USE OF WATER IN THE IRRIGATION DESIGN PLAN.

DESIGNER SIGNATURE

DATE

LICENSED LANDSCAPE ARCHITECT, LICENSED LANDSCAPE CONTRACTOR OR OTHER APPROVED PERSON

PHASE 2: POST-CONSTRUCTION SIGNATURES & ATTACHMENTS:

492.9: CERTIFICATE OF COMPLETION

I CERTIFY THAT THE LANDSCAPE HAS BEEN INSTALLED PER THE APPROVED LANDSCAPE DOCUMENTATION PACKAGE.

DESIGNER SIGNATURE

DATE

LICENSED LANDSCAPE ARCHITECT, LICENSED LANDSCAPE CONTRACTOR OR OTHER APPROVED PERSON

492.10: IRRIGATION SCHEDULING

ATTACH PARAMETERS FOR SETTING THE IRRIGATION SCHEDULE ON CONTROLLER.

492.11: MAINTENANCE

ATTACH SCHEDULE OF LANDSCAPE AND IRRIGATION MAINTENANCE

492.12: IRRIGATION AUDIT

LOCAL AGENCY OR THIRD PARTY CERTIFIED IRRIGATION AUDITOR SHALL PERFORM AUDIT.

492.5: SOIL MANAGEMENT REPORT

ATTACH SOIL ANALYSIS REPORT

ATTACH DOCUMENTATION VERIFYING IMPLEMENTATION OF RECOMMENDATIONS FROM SOIL ANALYSIS REPORT

AGENCY STAMP

AGENCY SIGNATURE

DATE

PANORAMIC DESIGN GROUP LANDSCAPE ARCHITECTURE 510-497-5224

217 ARJUNION AVENUE KENSINGTON, CA 94707

CLIENT: KENSINGTON FIRE PROTECTION DISTRICT

PROJECT: KENSINGTON FIRE DEMONSTRATION GARDEN

SUBMITTAL: PRELIMINARY

DATE: OCTOBER 2014

NOT FOR BIDDING OR CONSTRUCTION

PROJECT TITLE: MWEL0 DOCUMENTATION

SHEET #

L0.0

NOT DATE: 10/14/14



STATE OF CALIFORNIA

PROFESSIONAL ENGINEER

LANDSCAPE ARCHITECTURE

NO. 51049

EXPIRES 12/31/14

**PANORAMIC
 DESIGN GROUP**
 ARCHITECTURE
 510-347-3028
 info@panoramicdesign.com

CLIENT:
 KENSINGTON FIRE
 PROTECTION DISTRICT
 217 ANGLINGTON AVENUE
 KENSINGTON, CA 94707

PROJECT:
 KENSINGTON
 FIRE
 DEMONSTRATION
 GARDEN
 KENSINGTON, CA

SUBMITTAL:
 10/14/14 Planning Review

**PRELIMINARY
 PLAN
 NOT FOR BIDDING
 OR
 CONSTRUCTION**

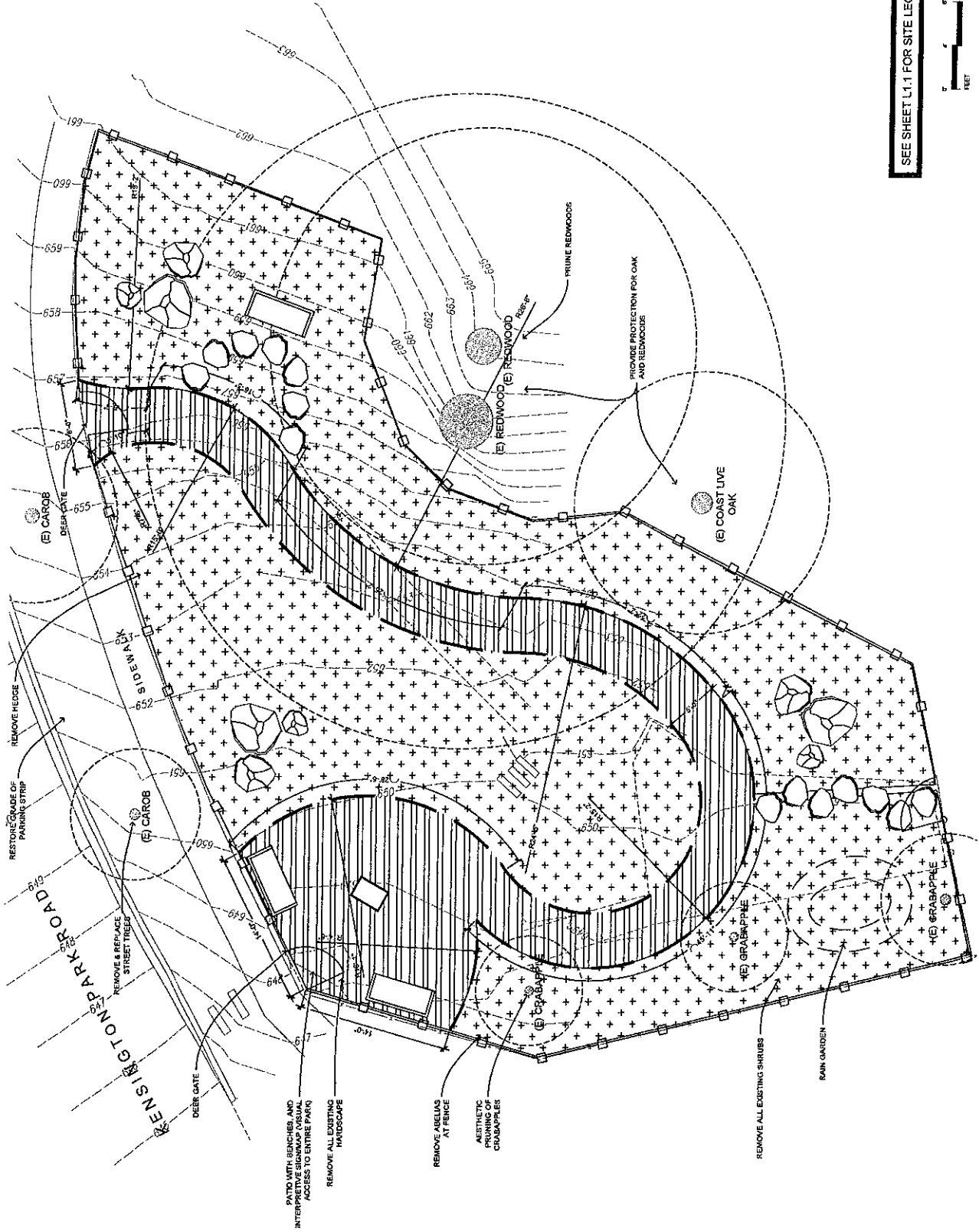
THIS PLAN IS PRELIMINARY AND NOT FOR BIDDING OR CONSTRUCTION. IT IS SUBJECT TO CHANGE WITHOUT NOTICE. THE CLIENT AND DESIGNER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE DESIGNER SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OF ANY INFORMATION PROVIDED BY THE CLIENT OR ANY OTHER PARTY. THE DESIGNER SHALL NOT BE RESPONSIBLE FOR THE CONSTRUCTION OF THE PROJECT OR THE QUALITY OF THE WORKMANSHIP. THE DESIGNER SHALL NOT BE RESPONSIBLE FOR ANY DELAYS OR COST OVERRUNS. THE DESIGNER SHALL NOT BE RESPONSIBLE FOR ANY INJURY OR DAMAGE TO PERSONS OR PROPERTY. THE DESIGNER SHALL NOT BE RESPONSIBLE FOR ANY VIOLATIONS OF ANY APPLICABLE LAWS OR REGULATIONS. THE DESIGNER SHALL NOT BE RESPONSIBLE FOR ANY OTHER MATTERS THAT MAY ARISE IN CONNECTION WITH THIS PROJECT.



SHEET TITLE:
 LAYOUT
 + MATERIALS
 PLAN

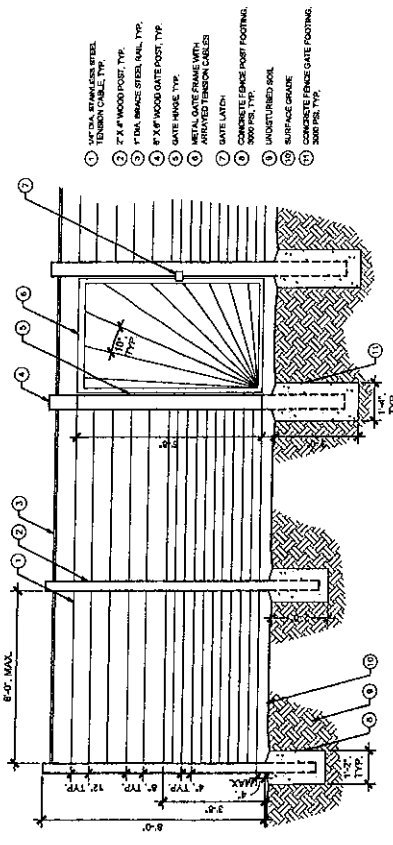
SHEET #:
 L1.0

SEE SHEET L1.1 FOR SITE LEGEND

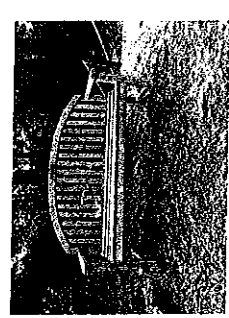


SEE SHEET L1.1 FOR SITE LEGEND

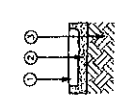




1 DEER FENCE AND GATE
SCALE: 1/8" = 1'-0"

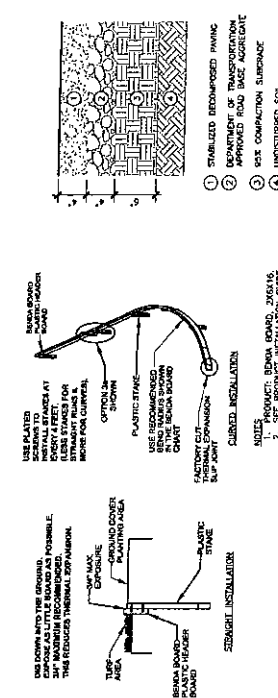


5 BENCH
SCALE: N.T.S.



- 1 STEPPING STONE - 4" THICKNESS, IRREGULAR SHAPES APPROX. 2' x 2' MIN.
- 2 2" DEPTH SAND BED
- 3 UNDISTURBED SUBGRADE

4 STEPPING STONE
SCALE: 1/8" = 1'-0"



2 COMPOSITE EDGING
SCALE: N.T.S.

3 STABILIZED DG PAVING
SCALE: 1/8" = 1'-0"

SYMBOL	ITEM	MANUFACTURER	MODEL	DESCRIPTION	NOTES
	HYDROSTONE PER ANSI SECTION 402.2 (9)(1)			FOR WATER USE. SEE MIXED WORKSHEET ON SHEET L02	
	COMPOSITE EDGING	BENCA BOARD	10005672	2' X 8' X 16'	COLOR: REDWOOD
	BENCH				MATCH EXISTING
	FENCE				TO BE DETERMINED
	INTERPRETIVE SIGN				TO BE DETERMINED
	EXISTING TREE				
	STEPPING STONE				TO BE DETERMINED
	BOULDER GROUP				
	PLANTING AREA				
	DECOMPOSED GRANITE PATH				

PANORAMIC
DESIGN GROUP
L.A.
ARCHITECTURE
510-987-3328
maddie@pdg.com

CLIENT:
KENSINGTON FIRE
PROTECTION DISTRICT
27741 WASHINGTON AVENUE
KENSINGTON, CA 94707

PROJECT:
KENSINGTON
FIRE
DEMONSTRATION
GARDEN
KENSINGTON, CA

SUBMITTAL:
10/21/14 P. JENNIFER GENTON

PRELIMINARY
PLAN
NOT FOR BIDDING
OR
CONSTRUCTION

THIS PLAN AND SPECIFICATIONS SHALL BE THE BASIS FOR THE CONTRACT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL CONDITIONS AND CONDITIONS OF THE SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS.



DATE: 10/21/14

SHEET TITLE:

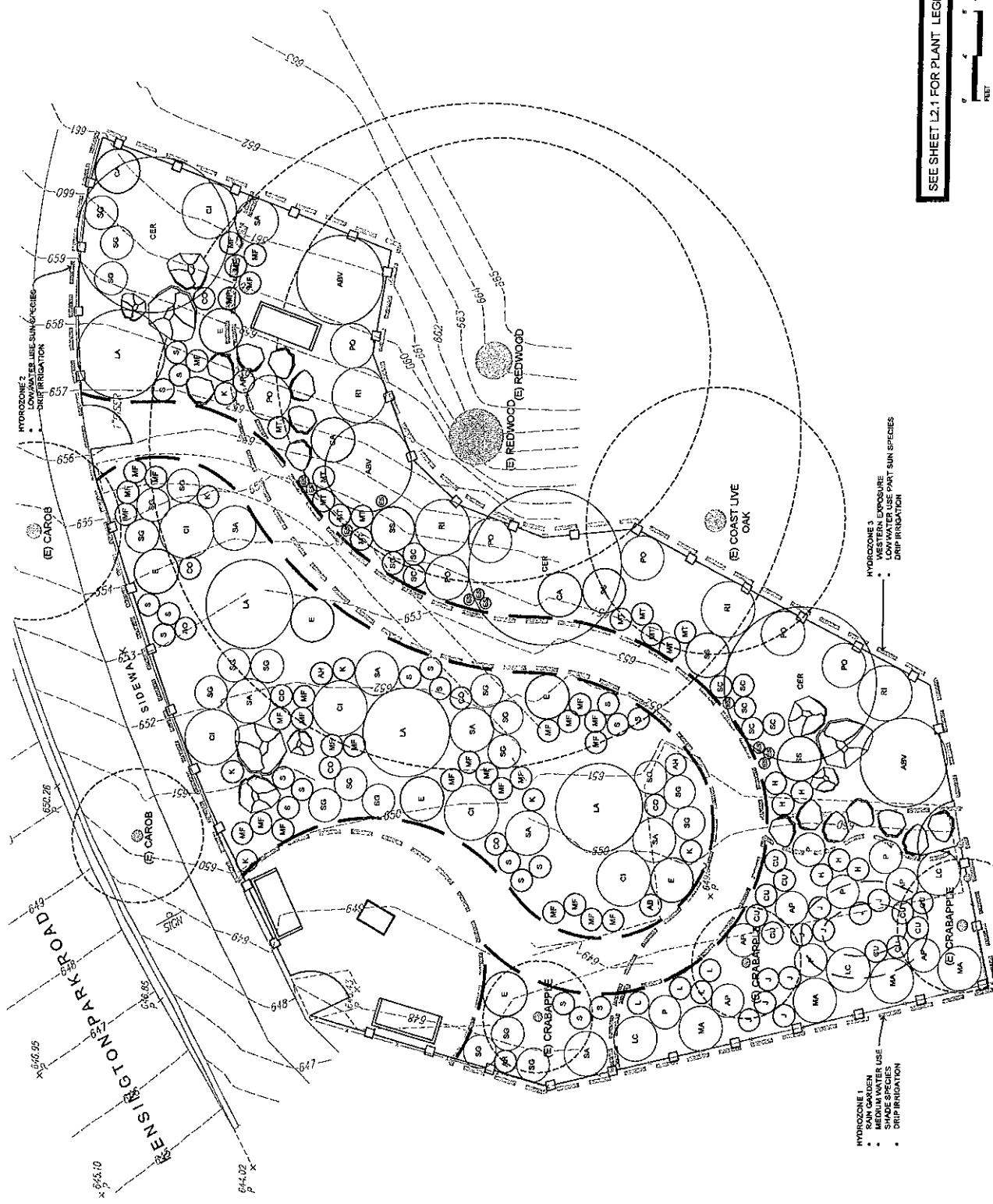
PLANTING
PLAN

SHEET #:

L2.0

DATE: 10/21/14

SEE SHEET L2.1 FOR PLANT LEGEND



HYDROZONE 1
RAIN GARDEN
LOW WATER USE PART SUN SPECIES
SHADE SPECIES
DRIP IRRIGATION

HYDROZONE 3
WESTERN EXPOSURE
LOW WATER USE PART SUN SPECIES
DRIP IRRIGATION

HYDROZONE 2
LOW WATER USE SUN SPECIES
DRIP IRRIGATION

KENSINGTON PARK ROAD
SOLANA BLVD

CLIENT:
KENSINGTON FIRE PROTECTION DISTRICT
 217 ARLINGTON AVENUE
 KENSINGTON, CA 94707

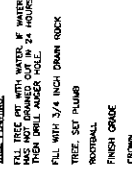
PROJECT:
KENSINGTON FIRE DEMONSTRATION GARDEN
 KENSINGTON, CA

SUBMITTAL:
 10/14/18 PLANNING REVIEW

SHEET TITLE:
PLANT DETAILS, AND NOTES

SHEET #:
L2.1

DATE: 10/14/18



1. TREE PLANTING
 SCALE: N.T.S.

2. SHRUB PLANTING
 SCALE: N.T.S.

3. PLANT PIT AND WATERING BERM
 SCALE: N.T.S.

PLANT PIT & WATERING BERM TABLE

CONTAINER SIZE	PLANT PIT DIAMETER	WATERING BERM HEIGHT	WATERING BERM DIAMETER
1 GAL CAN	18" MIN	3" MIN	18" MIN
5 GAL CAN	30" MIN	4" MIN	30" MIN
15 GAL CAN	3' MIN	5" MIN	3' MIN
24" BIN	3' MIN	5" MIN	5' MIN

1. TREE PLANTING
 SCALE: N.T.S.

- SHRUB, SET PLUMB
- ROOTBALL
- FINISH GRADE
- CROWN SLOPE AWAY SOIL TO EXPOSE ROOT FLARE
- PLANT PIT DEPTH VARIES, BUT TO DEPTH REQUIRED TO HOLD 2" ABOVE FINISH GRADE.
- MULCH SOIL TO ADJUST ROOTBALL HEIGHT
- SHOULDER PLANTING SKIM
- BACKFILL WITH SOIL FROM PLANTING PIT
- MULCH 3" WITH WATER TO TEST FOR CHANGE. IF PLANTING DETAIL IF WATER DOES NOT DRAIN WITHIN EIGHT HOURS USE A THREE-INCH DIAMETER SUMP TO FOUR FEET DEEP PERIOD. FILL SUMPS WITH DRAIN ROCK. OWNERS REPRESENTATIVE TO BE PRESENT AT ALL TREE PIT DRAINAGE SITES AND COORDINATE TEST TO OCCUR DURING FIRST OR SECOND
- MAINTENANCE
- DO NOT REMOVE MULCH OR BERTLIERE
- DO NOT REMOVE PLANT BERRS OR TREE CHAFF FROM PLANTING AREAS. KEEP IN PLACE AS MULCH.
- MAINTAIN 3 INCHES OF ORGANIC MULCH AT ALL TIMES.
- AFTER ONE YEAR REMOVE TREE STAKES.

2. SHRUB PLANTING
 SCALE: N.T.S.

- INSTALLATION TO BE BY CONTRACTOR WITH A VALID CURRENT CALIFORNIA C-27 LICENSE.
- FIELD SURFACE UTILITIES, PIPES AND STRUCTURES SHOULD BE IDENTIFIED PRIOR TO THE PLANS BEING FOUND DURING EXCAVATIONS. PROMPTLY NOTIFY OWNERS REPRESENTATIVE.
- NOTIFY OWNERS REPRESENTATIVE OF ANY POTENTIAL CONFLICT WITH DESIGN.
- QUALITY ASSURANCE SPECIFIED PLANTS TO CONFORM TO THE ASSOCIATION OF NURSERYMEN'S STANDARD. PLANTS OF CALIFORNIA MANUAL 32, PLANT MATERIAL SMALL GROWN IN CALIFORNIA, AMERICAN STANDARD FOR NURSERY STOCK, VEHICLES WITH A PROTECTIVE COVERING TO PREVENT WIND BURN. KEEP PLANTS WELL WATERED IN CONTAINERS UNTIL PLANTING. IS AS RECOMMENDED BY OWNERS REPRESENTATIVE.
- PLANT SUBSTITUTION IS BASED ON OWNERS REPRESENTATIVE LIST OF PLANTS WITH A FAVORABLE FIRE PERFORMANCE RATING
- MULCH BARK MULCH. USE CHIPS FROM WHOLE TREES. DO NOT USE BARK MULCH.
- DO NOT USE HERBICIDES, PESTICIDES OR FUNGICIDES. IF ISSUES ARE NOT RESOLVED CONTACT LANDSCAPE ARCHITECT.
- TREE STAKES: 2" DIA UNTREATED LONGPOLE PINE
- DO NOT USE WOOD STAKES.
- DO NOT USE WOOD CLOTH.
- SITE PREPARATION:

3. PLANT PIT AND WATERING BERM
 SCALE: N.T.S.

- CLEAR ALL GRASS AND WEEDS TO BE PLANTED OF ALL WEEDS AND BERRS PRIOR TO BEGINNING THE WORK.
- REMOVE WEEDS AND GRASSES WITH THE ROOTS. DO NOT USE HERBICIDES.
- DO NOT COMPACT SOIL.
- SOIL AMENDMENT: APPLY ORGANIC COMPOST AT A RATE OF MIN 4 CUBIC YARDS PER 1000 SF OR PER RECOMMENDATIONS OF SOIL ANALYSIS. WHICHEVER IS GREATER.
- PLANTING:
- ONE INDIVIDUAL PLANTING HOLES.
- PLANT AS SHOWN IN DETAILS.
- PLANTING: COVER THE ENTIRE PLANTING AREA WITH A MINIMUM OF 3-INCHES OF MULCH.
- PIT DRAINAGE: FITS WITH WATER TO TEST FOR CHANGE. IF PLANTING DETAIL IF WATER DOES NOT DRAIN WITHIN EIGHT HOURS USE A THREE-INCH DIAMETER SUMP TO FOUR FEET DEEP PERIOD. FILL SUMPS WITH DRAIN ROCK. OWNERS REPRESENTATIVE TO BE PRESENT AT ALL TREE PIT DRAINAGE SITES AND COORDINATE TEST TO OCCUR DURING FIRST OR SECOND
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PLANT LEGEND

ABBREV	BOTANICAL NAME	COMMON NAME	CONTAINER SIZE	PLANT USE SIZE (HEIGHT X WIDTH)	WATER USE	NATIVE	NOTES
ACCENT TREES							
CHER	CERCIS OCCIDENTALIS	WESTERN REDBUD	15 GAL	1.4 x 1.4	VL	X	MULTI-TRUNK
LARGE SHRUBS							
RI	RAVENS BRANCHING	TREE MALLOX	"	3 x 6	L	X	
MEDIUM SHRUBS							
AP	ADONIS PICTUM THOMPSONII	THOMPSON'S FLOWERING MAPLE	"	3 x 3	M		
AG	ZAKARITES SERPENS	AGARITES	"	4 x 5	L		
CI	CIPRIOS PHLOEUS	ORCHID ROOT ROSE	"	4 x 5	L		
E	EVERETT'S GINSENG	EVERETT'S CALIFORNIA FUCHSIA	"	1 x 4	L	X	
MA	MAHONIA AQUIFOLIUM	OREGON GRAPE	"	4 x 4	M	X	BERRS AND BUDS
PO	POLYGAUM X DALMANIANA	SWEET PEA SHRUB	"	4 x 4	M		
SA	SALVIA VAMSTAD	ROYAL BUMBLES AUTUMN SAGE	"	4 x 4	M		
SG	SALVIA GREGGII	ROYAL BUMBLES AUTUMN SAGE	"	3 x 3	L		AVAILABLE AT ANNEX
SS	SALVIA SPATHACEA	HUMMINGBIRD SAGE	"	1 x 4	L	X	ANNUALS & PERENNIALS
SMALL SHRUBS							
CO	COREOPSIS VERTICILLATA	ZAGREB	1 GAL	2 x 2	L		
CU	CUPHEA STRYBINGII	STRYBING SUNSET CUPHEA	"	2 x 2	M		
SC	SALVIA Coccinea	LADY IN RED TROPICAL SAGE	"	2 x 2	L		
S	SALVIA GREGGII	ULTRA VIOLET AUTUMN SAGE	"	2 x 2	L		
PERENNIALS & GRASSES							
AS	ANICIZANTHOS BUSH SUNSET	BUSH SUNSET KANGAROO PAW	1 GAL	5 x 2	L		
AM	ANICIZANTHOS 'NARCONY'	RED-YELLOW KANGAROO PAW	"	4 x 2	L		
AO	ANICIZANTHOS 'ORANGE CROSS'	ORANGE KANGAROO PAW	"	4 x 2	L		
AR	ANICIZANTHOS 'RUBY VELVET'	RUBY VELVET KANGAROO PAW	"	3 x 2	L		
ES	ESCHSCHOLZIA CALIFORNICA	CALIFORNIA POPPY	4 INCH	1 x 1	VL	X	
ER	ESCHSCHOLZIA CALIFORNICA RED CHIEF	CALIFORNIA POPPY RED CHIEF	4 INCH	1 x 1	VL	X	
H	HELICHERIA 'SANTA ANA CARDINAL'	SANTA ANA CARDINAL CORAL	1 GAL	2 x 2	M	X	
J	JUNICHO PATENS	SPREADING RUSH	"	2 x 2	L	X	
L	LEIBERTIA PERGRINANS	ORANGE NEW ZEALAND BIR	"	2 x 2	L		
LC	LEIBERTIA CONDENSATUS 'CANYON PRINCE'	CANYON PRINCE WILD RYE	"	4 x 4	L	X	
MF	MINIULUS 'JELLY BEAN FIESTA'	JELLY BEAN 'FIESTA' MARKGOLD	"	2 x 2	L	X	
MF	MINIULUS 'JELLY BEAN FIESTA'	JELLY BEAN 'FIESTA' MARKGOLD	"	2 x 2	L	X	
MP	MINIULUS 'JELLY BEAN TANGERINE'	JELLY BEAN 'TANGERINE' MONKEYFLOWER	"	2 x 2	L	X	
P	POLYTYCHUM MUNIUM	WESTERN SWORDFERN	"	3 x 3	M	X	
SUCCULENTS							
CA	CALANDRINA SPECTABILIS	ROCK PURSLANE	1 GAL	1 x 4	L		
C	CRASSULA CAPITATA 'RED PADDLE'	RED PADDLE CRASSULA	"	1 x 2	L		
K	KALANCHOE 'LUCIAE'	PADDLE PLANT	"	2 x 2	L		

WATER USE: DEMONSTRATION, VERY LOW, LOW, MODERATE, REFERENCE WUCOLS

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PANORAMIC
DESIGN GROUP
LANDSCAPE
ARCHITECTURE
5100 17th Street
Berkeley, CA 94702
www.panoramicdesign.com

CLIENT:
KENSINGTON FIRE
PROTECTION DISTRICT
217 ARLINGTON AVENUE
KENSINGTON, CA 94707

PROJECT:
KENSINGTON
FIRE
DEMONSTRATION
GARDEN
KENSINGTON, CA

SUBMITTAL:
10/1/18 PLANNING REVIEW

PRELIMINARY
PLAN
NOT FOR BIDDING
OR
CONSTRUCTION

THIS PLAN IS PREPARED FOR THE CLIENT'S INFORMATION ONLY. IT IS NOT TO BE USED FOR BIDDING OR CONSTRUCTION. THE CLIENT IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR VERIFYING THE ACCURACY OF ALL INFORMATION PROVIDED TO THE DESIGNER. THE DESIGNER'S LIABILITY IS LIMITED TO THE PROFESSIONAL SERVICES PROVIDED HEREIN.



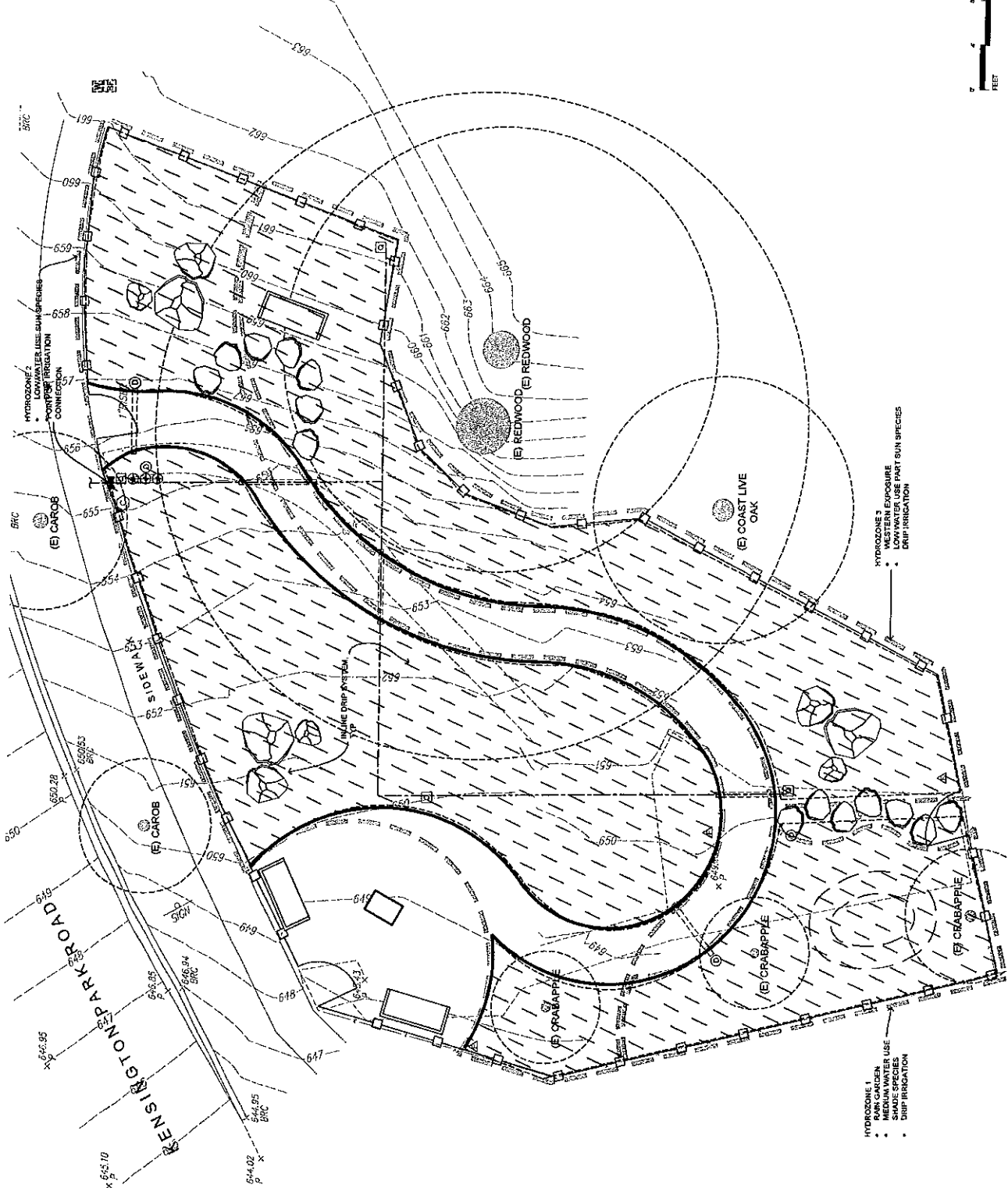
SHEET TITLE:

IRRIGATION
PLAN

SHEET #

L3.0

DATE: 10/1/18

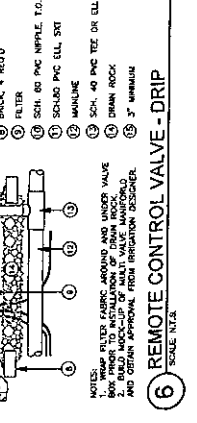
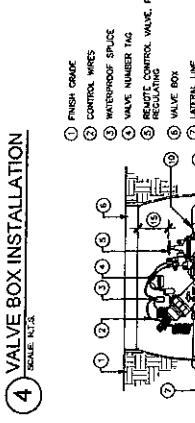
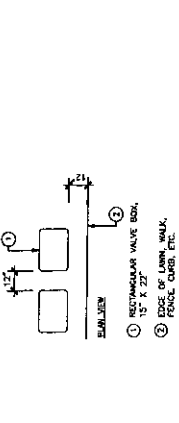
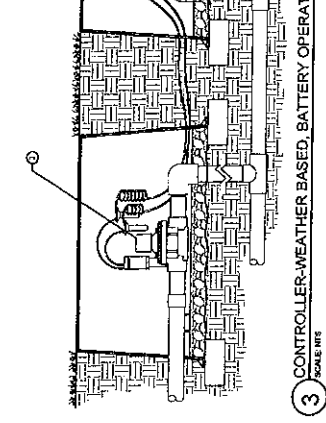
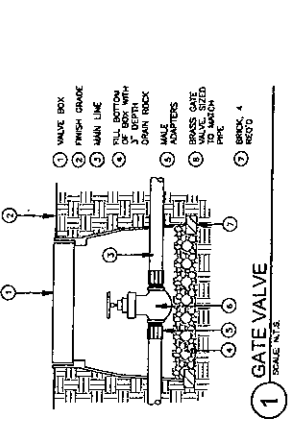
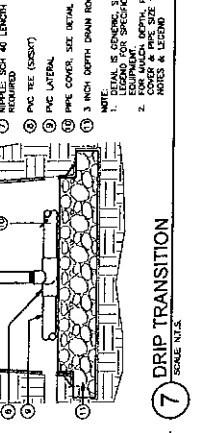
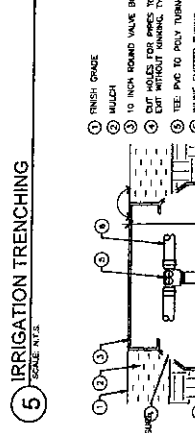
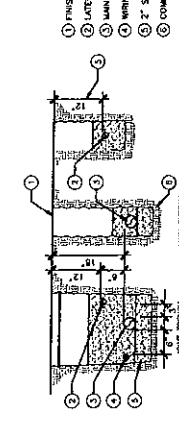
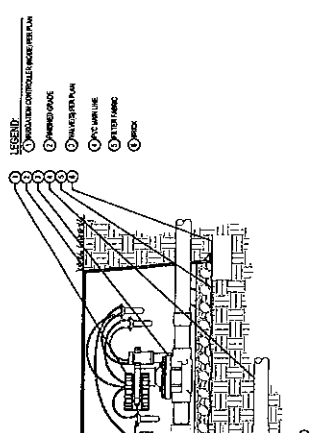
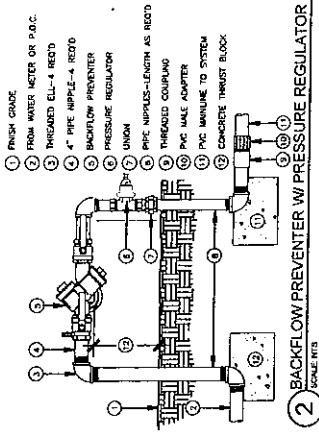




IRRIGATION LEGEND

SYMBOL	COMPONENT	MANUFACTURER	MODEL	NOTES / SIZE / COLOR
Ⓜ	WATER METER, EXISTING			FIELD VERIFY, LOCATE, CHECK & TEST
Ⓜ	BACKFLOW PREVENTER, EXISTING			FIELD VERIFY, LOCATE, CHECK & TEST
Ⓜ	CONTROLLER	HUNTER	NODE	LINE SIZE
Ⓜ	GATE VALVE	NIBCO	1413	LEAD FREE, 1"
Ⓜ	PRESSURE REGULATOR	WATTS	LPMSB	3/4"
Ⓜ	QUICK COUPLER	HUNTER	HQRC	SEE DETAIL
Ⓜ	TRANSITION TO DRIP ZONE			SEE DETAIL
Ⓜ	DRIP IRRIGATION CONTROL VALVE ASSEMBLY TO INCLUDE: REMOVE CONTROL VALVE, FILTER & PRESSURE REGULATOR	HUNTER	ICV	
Ⓜ	DRIP FLUSHOUT	HUNTER	PCZ DRIP CONTROL ZONE KIT	
Ⓜ	SLEEVE		SCH 40 WITH SCH 80 END FITTING WELD	SEE DETAIL
Ⓜ	MANIFOLD		SCH 40 WITH SCH 40 SOLVENT WELD FITTINGS	SIZE: 1.5X COMBINED SIZE OF ENCLOSED PIPES
Ⓜ	LATERAL PIPE		PVC SCH 40 WITH SCH 40 SOLVENT WELD FITTINGS	PIPE SIZE: 1.5X 20 GPM, 1.47" PIPE, 21-32 GPM, 1.5" PIPE
Ⓜ	IN-LINE EMITTER TUBING	NETAFIM	TECHLINE CV, 17MM	0.4 GPH EMITTERS, SPACING: 10 INCHES
Ⓜ	HYDRAZONE			

SYMBOLS FOR COMPONENTS ARE LARGER THAN ACTUAL SIZE AND MAY BE SHOWN IN PAVED AREAS FOR GRAPHIC CLARITY, COORDINATE LOCATION OF EQUIPMENT WITH PLUMBER.
ALL PIPE RUNS UNDER PAVING ARE IN SLEEVES. INSTALL SLEEVES PRIOR TO POURING CONCRETE.



NOTE: THIS DETAIL IS SCHEMATIC. SEE PLAN, LEGEND AND NOTES FOR COMPLETE INSTALLATION INFORMATION.

IRRIGATION NOTES & SPECIFICATIONS

GENERAL CONDITIONS:

1. INSTALLATION TO BE BY CONTRACTOR WITH A VALID CURRENT LICENSE.
2. COMPLY WITH ALL APPLICABLE CODES AND REGULATIONS.
3. THE IRRIGATION PLAN IS DIAGRAMMATIC AND INDICATIVE OF THE WORK TO BE COMPLETED. IRRIGATION EQUIPMENT OR PIPING MAY BE SHOWN FROM OWNERS REPRESENTATIVE. OBTAIN APPROVAL OF LAYOUT FROM OWNERS REPRESENTATIVE PRIOR TO INSTALLATION.
4. VERIFY LOCATION OF SUBSURFACE UTILITIES, PIPES AND STRUCTURES CAREFULLY INVESTIGATE EXISTING FIELD CONDITIONS AND OTHER INFORMATION.
5. MAKE NECESSARY PRECAUTIONS TO PROTECT EXISTING SITE.
6. COORDINATE WORK WITH OTHER TRADES TO AVOID CONFLICTS IN CONSTRUCTION SEQUENCE AND EQUIPMENT INSTALLATION.
7. CLEAN UP ALL AREAS OF WORK CLEAN, NEAT AND ORDERLY AT ALL TIMES.
8. CLEAN UP AND REMOVE ALL DEBRIS FROM WORK AREA ONLY.

SUBMITTALS

1. HAVE IN NOTICE TO PROCEED SUBMIT CUT SHEETS OF ALL MATERIALS AND PRODUCTS TO BE USED IN THE WORK.
2. INCLUDE ALL SUBMITTALS IN A SINGLE PACKAGE FOR A SINGLE REVIEW.
3. SUBSTITUTIONS MUST BE APPROVED PRIOR TO INSTALLATION BY LANDSCAPE ARCHITECT VIA THE SUBMITTAL PROCESS.

PRODUCTS:

1. PROVIDE NEW PRODUCTS IN PERFECT CONDITION.
2. CONFORM TO ASTM STANDARDS: A33, D1784, D1785, D2064, D2064-1, D2064-2, D2064-3, D2064-4, D2064-5, D2064-6, D2064-7, D2064-8, D2064-9, D2064-10, D2064-11, D2064-12, D2064-13, D2064-14, D2064-15, D2064-16, D2064-17, D2064-18, D2064-19, D2064-20, D2064-21, D2064-22, D2064-23, D2064-24, D2064-25, D2064-26, D2064-27, D2064-28, D2064-29, D2064-30, D2064-31, D2064-32, D2064-33, D2064-34, D2064-35, D2064-36, D2064-37, D2064-38, D2064-39, D2064-40, D2064-41, D2064-42, D2064-43, D2064-44, D2064-45, D2064-46, D2064-47, D2064-48, D2064-49, D2064-50, D2064-51, D2064-52, D2064-53, D2064-54, D2064-55, D2064-56, D2064-57, D2064-58, D2064-59, D2064-60, D2064-61, D2064-62, D2064-63, D2064-64, D2064-65, D2064-66, D2064-67, D2064-68, D2064-69, D2064-70, D2064-71, D2064-72, D2064-73, D2064-74, D2064-75, D2064-76, D2064-77, D2064-78, D2064-79, D2064-80, D2064-81, D2064-82, D2064-83, D2064-84, D2064-85, D2064-86, D2064-87, D2064-88, D2064-89, D2064-90, D2064-91, D2064-92, D2064-93, D2064-94, D2064-95, D2064-96, D2064-97, D2064-98, D2064-99, D2064-100.
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4. TYPICAL TAPES FOR PVC MALE THREADED.
5. COPPER SOLIDER: ALLOY GRADE 510S OR 510H TO MEET ASTM B32.
6. FLUX: TYPE 1.
7. REDUCER: BEAL, NO. 1 FOR GALVANIZED STEEL, IRON, BRASS OR COPPER.
8. COMMON AND CONTROL WIRE: U.L. APPROVED FOR DIRECT BURIAL COPPER, AWG-14 TO AWG-18 MINIMUM SIZE. USE SAME COLOR FOR ALL COMMON WIRE. USE DIFFERENT COLORS FOR COMMON AND SPlicing MATERIALS. PACKAGED KIT APPROVED FOR UNDERGROUND USE SUCH AS GEL-TITE KING SILICONE-FILLED SAFETY CONNECTOR, RN SEALANT OR WIRE CONNECTOR, SPEARS DRY SPLICER DS 100 WITH DS 300 CARBON, PLYWOOD OR EQUIVALENT. SIZE FOR CONTROL VALVES NOTED ON EACH VALVE. 10-INCHES ROUND, UNLESS OTHERWISE NOTED ON EACH VALVE.
9. KEYS: PROVIDE TWO SETS FOR CONTROLLER CABINET. FOR QUICK COUPLING VALVES PROVIDE MINIMUM ON KEY AND MACHINING HOSE REQUIRED TO PREVENT LOW HEAD DRAINAGE. ENSURE THAT IN-LINE CHECK VALVES BUILT INTO MAIN LATERAL LINES AS REQUIRED TO PREVENT LOW HEAD DRAINAGE. ENSURE THAT IN-LINE CHECK VALVES BUILT INTO MAIN LATERAL LINES AS REQUIRED TO PREVENT LOW HEAD DRAINAGE.
10. PROVIDE 4.025 BUBBLERS PER TREE.

EXECUTION:

1. IRRIGATION SYSTEM DEMAND IS 84 GPM. CONTROL GPM AT POINT OF CONNECTION PRIOR TO START OF WORK.
2. CONFIRM STATIC PRESSURE AT THE POINT OF CONNECTION PRIOR TO START OF WORK.

1. START OF WORK IF STATIC PRESSURE IS LOWER THAN 75 PSI INSTALL A VALVE 400 PSI PRESSURE REGULATING DEVICE TO MAINTAIN BACKFLOW PREVENTER. ADJUST OUTLET CONNECTION TO 25 PSI.
2. COORDINATE WITH POINT OF CONNECTION AS INDICATED ON PLAN AND LOCATION OF BACKFLOW PREVENTER TO BE APPROVED BY OWNERS REPRESENTATIVE PRIOR TO INSTALLATION.
3. CHECK & TEST RIPIPER LOCATION WATER METER. LOCATE EXISTING CONTROLLER TO BE APPROVED BY OWNERS REPRESENTATIVE.
4. ENSURE 120 VOLT A.C. ELECTRICAL SUPPLY IS PROVIDED FOR IN-LINE ELECTRICAL CONNECTIONS. LOCATE EXISTING ELECTRICAL PANEL WITHIN 100 FEET OF ELECTRICAL CONNECTIONS. LOCATE EXISTING ELECTRICAL PANEL WITHIN 100 FEET OF ELECTRICAL CONNECTIONS. LOCATE EXISTING ELECTRICAL PANEL WITHIN 100 FEET OF ELECTRICAL CONNECTIONS. LOCATE EXISTING ELECTRICAL PANEL WITHIN 100 FEET OF ELECTRICAL CONNECTIONS.
5. MOUNT WEATHER SENSOR ON EXISTING OR PUTTER WHERE IT WILL BE EXPOSED TO UNOBTAINED RAINFALL. INSTALL PER MANUFACTURERS INSTRUCTIONS.
6. BACKFLOW CHECK TEST: REPLACE IF NECESSARY.
7. PERFORM ANNUAL TEST OF BACKFLOW PREVENTER BY CERTIFIED LICENSED PLUMBER.
8. INSTALL GATE VALVE UPSTREAM OF BACKFLOW PREVENTER AT POC. AT BRANCHES OF MAINLINE AT BOTH ENDS OF SLEEVES AT EACH VALVE ASSEMBLY GROUP AND AS NEEDED.
9. PROVIDE PVC 2" SCH 40 SLEEVES TO POURING CONCRETE.
10. COORDINATE WITH CONCRETE CONTRACTOR.
11. EXACT LOCATIONS OF EQUIPMENT AND VALVE BOXES TO BE APPROVED BY LANDSCAPE ARCHITECT.
12. EXACT LOCATIONS OF EQUIPMENT AND VALVE BOXES TO BE APPROVED BY LANDSCAPE ARCHITECT.
13. PIPE SIZE: 94 GPM/34" PIPE; 74-12 GPM; 1" PIPE; 13-30 GPM; 1.25" PIPE; 21-32 GPM; 1.5" PIPE.
14. INSURE ADEQUATE PROPPING IN TRENCHES IN A SERPENTINE MANNER.
15. INSTALL ALL WIRING IN ACCORDANCE WITH ALL APPLICABLE CODES.
16. USE COPPER WIRE WITH U.L. APPROVAL FOR DIRECT BURIAL IN CONDUIT.
17. USE INSULATING JACKET OF THERMOPLASTIC FOR COMMON GROUND WIRE.
18. WIRE, TAPE AND BUNDLE WIRING AT 1 FOOT INTERVALS FOR CONTROL BOX LOOP. 35' OF EXCESS WIRE INTO EACH CONTROL BOX.
19. MAKE SPICES ONLY IN VALVE BOXES. WITH WADY SEAL PACKS.
20. CHECK FOR LEAKS AT ALL CONNECTIONS.
21. INSTALL CHECK VALVES ON LATERAL LINES AS REQUIRED TO PREVENT LOW HEAD DRAINAGE.
22. QUICK COUPLERS, LAYOUT AND SPACING TO PROVIDE FULL COVERAGE.
23. TREE BUBBLERS TO BE PLACED AT EDGE OF FOOTBALL, NOT AT TRUNK.
24. ENSURE ALL EQUIPMENT IS SIZED CORRECTLY BASED ON EXISTING SITE CONDITIONS AND HYDROLOGICALS.

SYSTEM FLUSHOUT:

1. FLUSH MAIN LINES AFTER INSTALLING RIBBERS AND PRIOR TO INSTALLING OR RECONNECTING TO VALVES.
2. FLUSH LATERALS AFTER INSTALLING RIBBERS AND PRIOR TO INSTALLING HEADS.

CONSTRUCTION OBSERVATION:

1. COORDINATE CONSTRUCTION OBSERVATIONS WITH LANDSCAPE ARCHITECT. ENSURE 3 DAYS MIN NOTICE. OBTAIN APPROVAL PRIOR TO PROCEEDING. PROVIDE RESULTS TO OWNER'S REP.

1. LAYOUT OF EQUIPMENT AND PIPES. PRESSURE TEST PRIOR TO BACKFILL. COORDINATE WITH LANDSCAPE ARCHITECT. ENSURE 3 DAYS MIN NOTICE PRIOR TO SCHEDULING FIELD OBSERVATION. PROVIDE RESULTS TO OWNERS REP.
2. PERFORM CONSTRUCTION OBSERVATION. PROVIDE RESULTS TO OWNERS REP.
3. CHECK & TEST RIPIPER LOCATION WATER METER. LOCATE EXISTING CONTROLLER TO BE APPROVED BY OWNERS REPRESENTATIVE.
4. ENSURE 120 VOLT A.C. ELECTRICAL SUPPLY IS PROVIDED FOR IN-LINE ELECTRICAL CONNECTIONS. LOCATE EXISTING ELECTRICAL PANEL WITHIN 100 FEET OF ELECTRICAL CONNECTIONS. LOCATE EXISTING ELECTRICAL PANEL WITHIN 100 FEET OF ELECTRICAL CONNECTIONS.
5. MOUNT WEATHER SENSOR ON EXISTING OR PUTTER WHERE IT WILL BE EXPOSED TO UNOBTAINED RAINFALL. INSTALL PER MANUFACTURERS INSTRUCTIONS.
6. BACKFLOW CHECK TEST: REPLACE IF NECESSARY.
7. PERFORM ANNUAL TEST OF BACKFLOW PREVENTER BY CERTIFIED LICENSED PLUMBER.
8. INSTALL GATE VALVE UPSTREAM OF BACKFLOW PREVENTER AT POC. AT BRANCHES OF MAINLINE AT BOTH ENDS OF SLEEVES AT EACH VALVE ASSEMBLY GROUP AND AS NEEDED.
9. PROVIDE PVC 2" SCH 40 SLEEVES TO POURING CONCRETE.
10. COORDINATE WITH CONCRETE CONTRACTOR.
11. EXACT LOCATIONS OF EQUIPMENT AND VALVE BOXES TO BE APPROVED BY LANDSCAPE ARCHITECT.
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23. TREE BUBBLERS TO BE PLACED AT EDGE OF FOOTBALL, NOT AT TRUNK.
24. ENSURE ALL EQUIPMENT IS SIZED CORRECTLY BASED ON EXISTING SITE CONDITIONS AND HYDROLOGICALS.

POST INSTALLATION:

1. USE CYCLE & SOAK TO MAINTAIN EVENLY PLANTING AREAS WITHOUT RUNOFF TO A DEPTH OF 12 INCHES UNTIL TREES ARE ESTABLISHED. DO NOT CREATE SATURATED CONDITIONS. ALLOW TO DRAIN COMPLETELY. PROVIDE AS-BUILT PLAN.
2. PROVIDE LAMINATED CONTROLLER SCHEDULE.
3. DURATION TO BE ZONED TO RUN AT VERY LOW FREQUENCY AND LONG SCHEDULE PER WEATHER AND SEASON.
4. THE DESIGN INTENT IS TO PROVIDE THE MINIMUM AMOUNT OF WATER IRRIGATION ADJUST. CONSULT IRRIGATOR ADJUST BY CERTIFIED THIRD PARTY IRRIGATION ADJUTOR.
5. ENSURE THAT CONTROLLER SCHEDULE IS ADJUSTED SEASONALLY AT A MINIMUM.
6. RUN SYSTEM, CHECK FOR LEAKS AND REPAIR THEM.

SPECIAL WARRANTY:

1. THE IRRIGATION SYSTEM SHALL BE UNCONDITIONALLY GUARANTEED BY THE CONTRACTOR AS TO MATERIALS AND WORKMANSHIP (INCLUDING SETTLEMENT OF BACKFILL) FOR A PERIOD OF ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE OF WORK. IF WITHIN ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE OF WORK, OCCURS AND ADJUSTMENTS IN PIPES, VALVES, SPRINKLER HARDWARE IS NECESSARY TO BRING THE SYSTEM OR HARDWARE TO CONFORMANCE WITH THE ORIGINAL DESIGN, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF SUCH ADJUSTMENTS AS PART OF THE WORK UNDER THESE TERMS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF SUCH ADJUSTMENTS AS PART OF THE WORK UNDER THESE TERMS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF SUCH ADJUSTMENTS AS PART OF THE WORK UNDER THESE TERMS.
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PANORAMIC DESIGN GROUP
LANDSCAPE ARCHITECTURE
510-967-3229
me@panoramicdesign.com

CLIENT:
KENSINGTON FIRE PROTECTION DISTRICT
10000 KENSINGTON BLVD
KENSINGTON, CA 94707

PROJECT:
KENSINGTON FIRE DEMONSTRATION GARDEN
KENSINGTON, CA

SUBMITTAL:
10-18 PLANNING REVIEW

PRELIMINARY PLAN NOT FOR BIDDING OR CONSTRUCTION

THIS PLAN IS FOR INFORMATION ONLY. IT IS NOT TO BE USED FOR BIDDING OR CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL CONDITIONS AND CONDITIONS OF THE SITE PRIOR TO BIDDING OR CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL CONDITIONS AND CONDITIONS OF THE SITE PRIOR TO BIDDING OR CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL CONDITIONS AND CONDITIONS OF THE SITE PRIOR TO BIDDING OR CONSTRUCTION.

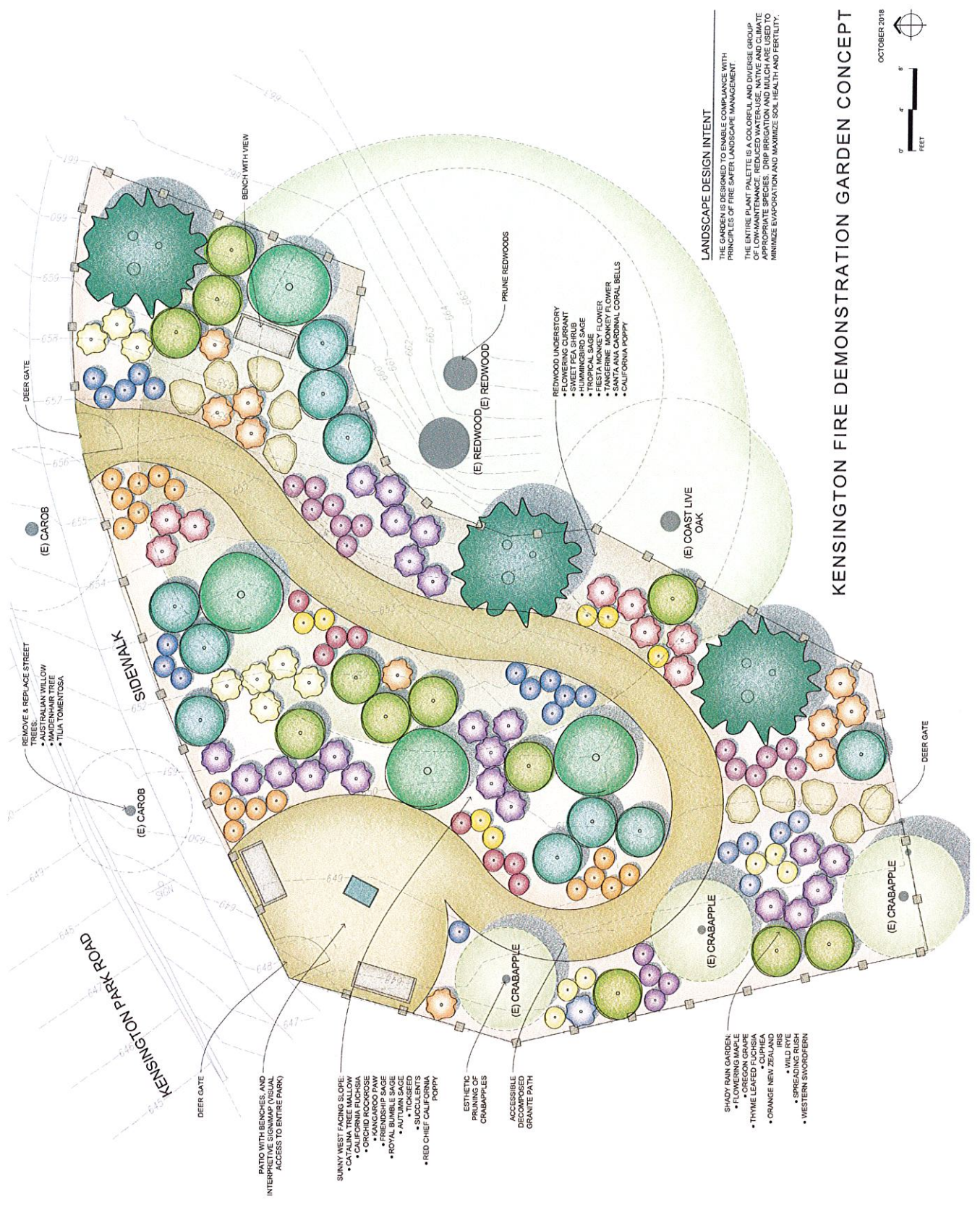


SHEET TITLE:
IRRIGATION NOTES

SHEET #:

L3.2

PLOT DATE: 10/18/18



REMOVE & REPLACE STREET TREES:
 • AUSTRALIAN WILLOW
 • AUSTRALIAN SHE-OAK
 • TILIA TOMENTOSA

(E) CAROB

SIDEWALK

(E) CAROB

DEER GATE
 PATIO WITH BENCHES AND INTERIOR PLANTINGS AND ACCESS TO ENTIRE PARK

SUNNY WEST FACING SLOPE
 • CATALINA TREE MALLOW
 • CALIFORNIA FUCHSIA
 • ORCHID ROCKROSE
 • FRIENDSHIP SAGE
 • ROYAL BUBBLE SAGE
 • AUTUMN SAGE
 • SUCCULENTS
 • RED CHIEF CALIFORNIA POPPY

ESTHETIC PRUNING OF CRABAPPLES
 ACCESSIBLE DECOMPOSED GRANITE PATH

(E) CRABAPPLE

SHADY RAIN GARDEN
 • FLOWERING MAPLE
 • THYME LEAFED FUCHSIA
 • CUPHEA
 • ORANGE NEW ZEALAND FLAX
 • WILD RYE
 • SPREADING RUSH
 • WESTERN SWOOPERN

REDWOOD UNDERSTORY
 • FLOWERING CURRANT
 • SILVER BIRCH
 • HUMMINGBIRD SAGE
 • TROPICAL SAGE
 • FIESTA MONKEY FLOWER
 • SANTA ANNA MONKEY FLOWER
 • CALIFORNIA POPPY

(E) REDWOOD (E) REDWOOD

PRUNE REDWOODS

(E) COAST LIVE OAK

(E) CRABAPPLE

(E) CRABAPPLE

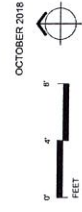
(E) CRABAPPLE

DEER GATE

LANDSCAPE DESIGN INTENT
 THE GARDEN IS DESIGNED TO ENSURE COMPLIANCE WITH PRINCIPLES OF FIRE SAFER LANDSCAPE MANAGEMENT.

THE ENTIRE PLANT PALETTE IS A COLORFUL AND DIVERSE GROUP OF SPECIES THAT ARE SUITABLE FOR THE LOCAL CLIMATE AND SOIL TYPE. PLANTINGS ARE CHOSEN TO MINIMIZE APPROPRIATE SPECIES, DRIP IRRIGATION AND MULCH TO MINIMIZE EVAPORATION AND MAXIMIZE SOIL HEALTH AND FERTILITY.

KENSINGTON FIRE DEMONSTRATION GARDEN CONCEPT



December 7, 2018

To: KFPD Board of Directors

Fr: Brenda Navellier
KFPD Manager

Re: Third Amendment to Agreement for Services By and Between the Kensington
Fire Protection District and the City of El Cerrito

Attached is the Third Amendment to the El Cerrito Contract as proposed by the Contract Committee of Directors Kosel and Nagel.

The entire contract in its current form can be found on our website at:

<https://www.kensingtonfire.org/contract-services-agreement-between-the-kfpd-and-the-city-of-el-cerrito>

**THIRD AMENDMENT TO AGREEMENT FOR SERVICES
BY AND BETWEEN THE KENSINGTON FIRE PROTECTION DISTRICT
AND THE CITY OF EL CERRITO**

THIS THIRD AMENDMENT TO AGREEMENT FOR SERVICES BY AND BETWEEN THE KENSINGTON FIRE PROTECTION DISTRICT AND THE CITY OF EL CERRITO ("Third Amendment") is hereby entered into this ___ day of December, 2018 by and between the City of El Cerrito, a municipal corporation ("CITY"), and Kensington Fire Protection District, a public agency ("DISTRICT").

RECITALS

A. CITY and DISTRICT are parties to an Agreement for Services, dated August 7, 1995, as amended by the First Amendment to said agreement, dated March 1, 2005, and the Second Amendment to said agreement, dated September 2009 ("the Agreement").

B. The parties desire to amend the Agreement pursuant to the terms and conditions set forth below.

NOW, THEREFORE, CITY and DISTRICT hereby agree as follows:

Section 1. *Amendment to Subsection I.A of the Agreement, Extension of Term and Option for Extension.* Subsection I.A. of the Agreement shall be replaced entirely by the following (additions are underlined and deletions are ~~struck-through~~):

"A. The term of this agreement shall be until midnight June 30, ~~2020~~ 2030. The Agreement may be extended at any time by mutual agreement as provided in Section XVII. Unless the Agreement is terminated at an earlier date pursuant to Section XV, the parties will initiate negotiations to extend the contract on or before January 1, ~~2018-2028~~."

B. The DISTRICT may extend the term of this contract for an additional five (5) years beyond the term stated in Subsection I.A, as amended, by giving written notice to the CITY on or before December 31, 2027."

Section 2. *Amendment to Section XVII, Provision of Administrative Services to City by District.* Subsection XVII, as added by Section 4 of the Second Amendment, shall be replaced entirely by the following (additions are underlined and deletions are ~~struck-through~~):

"XVII. ADMINISTRATIVE SERVICES TO BE PROVIDED TO CITY BY DISTRICT PURSUANT TO THIS AGREEMENT

A. At the request of CITY, DISTRICT shall, ~~no sooner than November 1, 2009,~~ has assigned its District Administrator, Brenda Navellier, to serve as the Fire Department Administrative Assistant to the El Cerrito Fire Chief

on a part-time basis, which position requires performing the functions described in the ~~attached~~ Fire Department Administrative Assistant Job Description attached to the Second Amendment. The parties agree that the assigned employee shall work half-time for the District and half-time for the City. In no event shall the work performed for City by the assigned employee exceed more than nine hundred ninety nine (999) hours per year. Such services will be provided at the Main Fire Station No. 71 at 10900 San Pablo Avenue in El Cerrito, California. Either party may elect to terminate the DISTRICT's provision of the services contemplated by this Section at any time upon ~~reasonable~~ notice given pursuant to Subsection XVII.I.

B. CITY agrees to pay DISTRICT the full costs of compensation for the assigned employee. Since the parties intend to equally share the assigned employee's forty-hour per week work schedule, the parties acknowledge and agree that the compensation to DISTRICT by CITY will be based on one-half of the total compensation paid by DISTRICT to the assigned employee. Accordingly, one-twenty fourth (1/24) of the annual compensation costs shall be offset, in advance, from the amount of the monthly annual fee paid by DISTRICT pursuant to Subsection VI.A. ~~Based on a forty-hour work week, the amount of the assigned employee's estimated annual compensation for the 2009-2010 fiscal year is \$87,000; based on the foregoing, the offset against the annual fee for each remaining full month of the 2009-2010 fiscal year will be \$3,650.~~ At the same time and in the same manner as CITY is required to provide a proposed estimate of the annual fee pursuant to Subsection VI.G, DISTRICT shall provide a proposed estimate of the assigned employee's annual compensation to CITY based on a forty-hour work week. In accordance with the procedures in Subsection VI.G, CITY shall have the right to object to the proposed estimate, and the parties shall resolve disputes over the proposed annual compensation in the same manner as specified for the proposed annual fee in Subsection VI.G. At the conclusion of the fiscal year and once actual cost information is known, DISTRICT shall prepare a reconciliation statement reflecting the actual annual compensation of the assigned employee for the fiscal year just completed. Any adjustments shall be treated as a credit in the same manner that adjustments to the annual fee are treated pursuant to Subsection VI.I.

C. In the event that the services provided by DISTRICT pursuant to this section commence or are terminated on a date other than the beginning of a particular month, CITY's share of the annual compensation for that particular month shall be determined by dividing one-half of the estimated annual compensation by two; dividing the result by 365; and multiplying the result by the number of days in the month during which services were provided.

D. It is understood that the relationship of DISTRICT to CITY is that of an independent contractor and all persons working for or under the direction of DISTRICT are its agents or employees and not agents or employees of CITY. CITY and DISTRICT shall, at all times, treat all persons working for or under the

direction of DISTRICT as agents and employees of DISTRICT, and not as agents or employees of the CITY. Notwithstanding the foregoing, given the nature of the position to which the assigned employee will be assigned, the El Cerrito Fire Chief shall supervise and direct the day-to-day work performed by the assigned employee, and CITY, through its Fire Chief, and DISTRICT shall mutually agree upon a schedule for the assigned employee's hours and days for the performance of services to CITY and determine the location that those services will be provided. The DISTRICT's Board of Directors will consult with CITY on an as-needed basis to assure that the services are being provided in a professional manner and meet the objectives of CITY. In the event that CITY is dissatisfied with the services of DISTRICT or the assigned employee, CITY's sole recourse shall be the termination of services pursuant to Subsection A-I of this Section. CITY shall not have any right to discharge any employee of DISTRICT from employment.

E. DISTRICT shall, at its sole expense, provide for its employees providing services to CITY pursuant to this Agreement any and all benefits, such as worker's compensation, disability insurance, vacation pay, sick pay, or retirement benefits; obtain and maintain all licenses and permits usual or necessary for performing the services; pay any and all taxes incurred as a result of the employee(s) compensation, including estimated taxes, FICA and other employment taxes; and provide CITY with proof of payment of taxes on demand. Notwithstanding the foregoing, as DISTRICT does not contract with the California Public Employees' Retirement System for the provision of retirement benefits, and CITY does, CITY shall be responsible for any contributions to the California Public Employee Retirement System and associated liability that may arise as a result of the assigned employee's provision of services to CITY. Notwithstanding the half-time assignment to City noted in Subsection A of this Section, CITY acknowledges that the assigned employee has a right to vacation leave, sick leave, floating holidays, and holidays under the terms of her employment with DISTRICT and that employee's use of leave or time off is solely within the control of the DISTRICT, provided that reasonable notice of such leave or time off shall be provided to CITY by DISTRICT.

F. CITY shall not require the assigned employee to work more than twenty (20) hours per week. If assigned employee works more than 40 hours per week (including both her work for CITY and DISTRICT), she will be eligible for overtime compensation. DISTRICT shall be solely responsible for any payment of overtime compensation earned by employee. Any overtime compensation received by employee from DISTRICT shall not be included in the calculation of the assigned employee's annual compensation pursuant to Subsection B of this Section.

G. Because of the nature of the position to which the assigned employee will be assigned, CITY shall indemnify, defend and hold harmless DISTRICT and its officers, directors, employees and agents from any and all

claims and lawsuits arising out of the assigned employee's performance of services pursuant to this Section. Whenever CITY owes a duty hereunder to indemnify DISTRICT, its employees or agents, CITY further agrees to pay DISTRICT a reasonable fee for all time spent by any DISTRICT employee, or spent by any person who has performed work pursuant to this agreement, for the purpose of preparing for or testifying in any suit, action, or legal proceeding in connection with the services he has provided under this Agreement.

Further, CITY will defend and indemnify DISTRICT, and hold it harmless, from any claim, demand or liability that is related to, or results from an assertion that as a result of providing services to CITY, a DISTRICT employee or a person performing work pursuant to this agreement is entitled to benefits from, or is covered by, the Social Security retirement system or the California Public Employee Retirement Systems.

H. CITY acknowledges that DISTRICT is party to a certain "Joint Exercise of Powers Agreement for Providing Public Liability and Other Insurance" and that the coverage provided by risk pool created by that agreement is adequate. To the extent that DISTRICT remains a member of the risk pool in good standing, this Agreement contains no additional requirements regarding insurance coverage. In the event that DISTRICT's coverage by, or relationship with, the JPA is terminated or is contemplated to be terminated, DISTRICT shall immediately notify CITY.

I. Either party may elect to terminate the DISTRICT's provision of the administrative services contemplated by this section upon delivery of a written Notice of Termination of Administrative Services Provided By District. Written notice must be delivered at least sixty (60) days prior to the effective date of termination."

Section 3. All other provisions of the Agreement shall remain in effect.

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed as of the date and year first above written.

KENSINGTON FIRE PROTECTION
DISTRICT

CITY OF EL CERRITO

Janice Kosel, _____, President

Gabriel Quinto, Mayor

Laurence Nagel, _____, Secretary

Scott Hanin, City Manager

Sherry Kelly, City Clerk

Approved as to form:
CITY ATTORNEY

Sky Woodruff

.2
3072104.2

**Costs Per Fire Station Comparison
Operating Budgets – FY16-17**

<u>Single Station System</u>	<u>Cost Per Station</u>
Albany Fire Department	\$5,046,148
Piedmont Fire Department.....	5,518,350
 <u>Two Station System</u>	
Rodeo/Hercules Fire District	3,122,810
 <u>Three Station Systems</u>	
El Cerrito/Kensington Fire Department.....	2,802,850
Woodside Fire Protection District	4,987,569
 <u>Multiple Station Systems</u>	
Alameda County	4,446,261
Contra Costa County.....	4,951,494
Central County.....	3,399,658
Moraga-Orinda Fire Protection District.....	3,922,582
Richmond Fire Department.....	4,420,962
Berkeley Fire Department.....	5,181,978
San Ramon Fire District.....	6,373,608
 El Cerrito Fire Department per Station	\$2,802,850
 <i>KFPD/El Cerrito 2016-2017 Contract</i>	<i>\$2,552,869</i>

BOARD REPORTS

The Washington Post

National

How they survived: Owners of the few homes left standing around Paradise, Calif., took critical steps to ward off wildfires

By Sarah Kaplan and
Frances Stead Sellers
November 30

Jeff and Cathy Moore have devoted hours of labor to clearing brush away from their house in the Sierra Nevada foothills in preparation for a massive wildfire, which suddenly became reality on Nov. 8. Smoke from the approaching Camp Fire blackened the mid-morning sky so completely that they had to light candles indoors.

The Moores started their generator and pumped water from their well to sprinklers on the roof of their California home. After retreating for several hours, the couple returned to spend the entire night dousing vegetation and stomping out spot fires on their own and neighboring properties, preventing them from igniting and further fueling the blaze. By the time the fire department showed up the next day, Jeff Moore said, "everything was out." Not only was their home saved, but so were adjacent buildings in a neighborhood where many burned.

At least 88 people died in the Camp Fire, many inside homes with flammable roofs and open vents that allowed in smoldering material, turning them into death traps. In the town of Paradise, more than 80 percent of homes were destroyed. But the Moores' story shows that certain preventative measures can help make a house a refuge when a wildfire engulfs a community.

Some 40 million homes across the United States risk being destroyed in wildfires, according to the U.S. Forest Service. Many were built according to outdated fire codes, with an eye for aesthetics but not always for safety. Even in California, which has the country's most extensive fire risk maps and relatively advanced fire codes, scores of communities are threatened by uncontrollable burns.

The state updated its fire code in 2008, mandating that newly built homes near wildland areas meet standards for fireproof roofs, windows and decks, and follow rules for creating "defensible space" clear of flammable material in the 100 feet immediately surrounding a home.

But that leaves the vast majority of California homes, regulated by outdated standards, vulnerable. Jack Cohen, a former firefighter and longtime fire behavior expert for the Forest Service, says maintenance of a house and the area immediately around it can be as important in protecting it from wildfires as its construction.

Many fire-prevention measures can be cheaply addressed by homeowners: Clear pine needles and other flammable debris from roofs, rain gutters, decks and yards. Avoid stacking firewood directly against a house. Border the home with bare-soil flower gardens, rather than bark mulch. Replace wooden fences with materials that don't burn. Install mesh screens over vents to prevent smoldering material from getting inside. Surround homes with fire-resistant hardwood trees, like aspen, oaks and maples, which can form a heat shield and wind damper during a conflagration.

"It's the little things that are igniting our communities," Cohen said.

After raging for two weeks and scorching 153,000 acres of Butte County — an area larger than Chicago — the Camp Fire was contained this week. The blaze became a structure fire that spread rapidly, with burning debris carried by 50 mph winds from home to home, said Cal Fire information officer Scott McLean.

Luck seemed to play a role in some buildings' survival, he said.

"That firestorm was different," said McLean, who helped people evacuate, "throwing so many embers out ahead that could land anywhere, among debris in a gutter, on a chair, on a deck."



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Cohen, who has spent most of his career studying ways to make wildfires less deadly and destructive, pointed to aerial photos of Paradise neighborhoods where every house was leveled, but the surrounding trees were green and relatively unscathed.

"It's the community that is actually spreading the fire," he said.

But it doesn't have to be that way.

"The wildfire is a given," he said, noting that the North American landscape has evolved to require fire over the past 10,000 years. "But . . . we can make choices that make us resilient to these disturbances."

Each house that resists burning is not only a home preserved — it is one less source of fuel.

Homes that are truly ignition-resistant may also offer shelter in situations when evacuation is not an option, Cohen said.

Almost everywhere in America, including Paradise, the only safe thing to do in a fire is to flee. But if communities are built for fire resistance, with nonflammable structures and well-established emergency response plans, in the future it might be possible for residents to shelter in place during a fast-moving firestorm.

The updates to California's fire code focus on protecting communities like Paradise that border natural areas — the fastest-growing kind of community in America. About a third of U.S. homes are built in what's known as the "wildland-urban interface," said Kelly Pohl, a researcher at the nonprofit Headwaters Economics, who studies fire ecology and community planning.

Officials also developed a statewide fire-risk map that reflects how topography can put people at greater risk; in Paradise, for example, canyons acted as chimneys, funneling fire toward homes on upper slopes.

The new regulations codify the understanding that limiting home ignitability is the most important factor in preventing a humanitarian disaster.

Meeting these standards doesn't have to be costly. A report by Pohl released in November found that construction costs for a model "fire wise" single-family home with a nonflammable asphalt roof and fire-resistant tempered-glass windows were \$2,000 less than for a typical house.

A brand-new house on Paradise's Boaz Lane that Bonnie Campbell moved into four weeks before the fire featured a composite roof and thick stucco walls, materials recommended by California's fire code. Bulldozers had also inadvertently created a fire break, Campbell said.

Campbell hasn't seen it since she and her husband fled on the morning of Nov. 8, driven out by flames that swept up the canyon and engulfed a house just a few hundred feet from her own. But official maps of their neighborhood show that her home still stands, though a redwood fence is damaged.

Around the home is devastation. A neighboring street, Schmale Lane, with older buildings, is scorched to cinders.

This disparity underscores a problem that lingers even in communities with progressive fire codes: Most houses in the wildland-urban interface predate these standards, and retrofitting existing structures is often beyond the means of most homeowners.

And there aren't many resources available to help them, Pohl said.

Though the United States spends upwards of \$2 billion each year on fire suppression and billions more helping communities recover, the current budget for the Federal Emergency Management Agency's Pre-Disaster Mitigation Grant Program is just over \$200 million — and it must address hurricanes, earthquakes and a host of other natural hazards as well as fires. Cal Fire provides grants for forest management and tree removal, but not structure modification.

The budget for the University of California Cooperative Extension program, which conducts fire research and outreach to homeowners, has been cut by almost half since 2000. There are now fewer

than 20 extension advisers in forestry and fire serving a state with 40 million people and 15 million acres of public lands.

In light of the recent National Climate Assessment, which predicts a massive increase in the frequency and severity of wildfire, Pohl said that funding preventive measures is a life-or-death question.

"The reality is we know how to do better," she said. "But we are too slow to change."

Jeff Moore is determined to make further improvements to his house, which was built according to code in 2015.

"We learned a lot," said Moore, who studied how the recent fire behaved — appearing to die down before roaring back up a dry creek bed. After the fire, Moore went into his attic to fetch coolers for his neighbors who remained without power and found that his rooftop vents had taken in ashes despite protective netting.

"We've got to fix that and get finer mesh," Moore said. He also plans to get more fire extinguishers.

"We'll keep at it," Moore said. "I think we could survive it if it happened again."



Sarah Kaplan

Sarah Kaplan is a science reporter covering news from around the nation and across the universe. She previously worked evenings on The Washington Post's Morning



Frances Stead Sellers

Frances Stead Sellers is a senior writer at The Washington Post. She covers national politics. [Follow](#)

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