



AGENDA

EL SEGUNDO CITY COUNCIL
REGULAR MEETING
TUESDAY, NOVEMBER 1, 2022

4:00 PM CLOSED SESSION
6:00 PM OPEN SESSION

CITY COUNCIL CHAMBER
350 MAIN STREET, EL SEGUNDO, CA 90245

Drew Boyles, Mayor
Chris Pimentel, Mayor Pro Tem
Carol Pirsztuk, Council Member
Scot Nicol, Council Member
Lance Giroux, Council Member

Tracy Weaver, City Clerk
Matthew Robinson, City Treasurer

Executive Team

Darrell George, City Manager
Barbara Voss, Deputy City Manager
Jaime Bermudez, Police Chief
Michael Allen, Community Development Dir.
Jose Calderon, IT Director
Aly Mancini, Recreation, Parks & Library Dir.

Mark Hensley, City Attorney
Joe Lillio, Chief Financial Officer
Deena Lee, Fire Chief
Rebecca Redyk, HR Director
Elias Sassoon, Public Works Dir.

MISSION STATEMENT:

“Provide a great place to live, work, and visit.”

VISION STATEMENT:

“Be a global innovation leader where big ideas take off while maintaining our unique small-town character.”

The City Council, with certain statutory exceptions, can only take action upon properly posted and listed agenda items. Any writings or documents given to a majority of City Council regarding any matter on this agenda that the City received after issuing the agenda packet are available for public inspection in the City Clerk's Office during normal business hours. Such documents may also be posted on the City's website at www.elsegundo.org and additional copies will be available at the City Council meeting.

Unless otherwise noted in the agenda, the public can only comment on City-related business that is within the jurisdiction of the City Council and/or items listed on the agenda during the Public Communications portions of the Meeting. Additionally, members of the public can comment on any Public Hearing item on the agenda during the Public Hearing portion of such item. The time limit for comments is five (5) minutes per person.

Those wishing to address the City Council are requested to complete and submit to the City Clerk a "Speaker Card" located at the Council Chamber entrance. You are not required to provide personal information in order to speak, except to the extent necessary for the City Clerk to call upon you, properly record your name in meeting minutes and to provide contact information for later staff follow-up, if appropriate.

In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting, please contact the City Clerk's Office at 310-524-2305. Notification 48 hours prior to the meeting will enable the City to make reasonable arrangements to ensure accessibility to this meeting.

4:00 PM CLOSED SESSION – CALL TO ORDER / ROLL CALL

PUBLIC COMMUNICATION – (RELATED TO CITY BUSINESS ONLY – 5-MINUTE LIMIT PER PERSON, 30-MINUTE LIMIT TOTAL) *Individuals who have received value of \$50 or more to communicate to the City Council on behalf of another, and employees speaking on behalf of their employer, must so identify themselves prior to addressing City Council. Failure to do so shall be a misdemeanor and punishable by a fine of \$250. While all comments are welcome, the Brown Act does not allow City Council to take action on any item not on the agenda. City Council and/or City Manager will respond to comments after Public Communications is closed.*

SPECIAL ORDERS OF BUSINESS

1. Appoint Laura Kalty to the City's Labor Negotiation Team for the Fire Fighters' Association Negotiations
2. Appoint Alex Volberding to the City's Labor Negotiations Team for Police Services Employees Association and Professional Services Employees Association

RECESS INTO CLOSED SESSION: City Council may move into a closed session pursuant to applicable law, including the Brown Act (Government Code Section §54960, et seq.) for purposes of conferring with City's Real Property Negotiator; and/or conferring with City Attorney on potential and/or existing litigation; and/or discussing matters covered under Government Code Section §54957 (Personnel); and/or conferring with City's Labor Negotiators.

CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION (GOV'T CODE §54956.9(D)(1): -1- MATTER(S)

Breck Slover (Retired Fire Fighter) v. City of El Segundo, Workers Compensation Appeals Board Case No. ADJ12808178

CONFERENCE WITH LEGAL COUNSEL – ANTICIPATED LITIGATION

Initiation of litigation pursuant to Government Code §54956.9(c): -1- matter.

CONFERENCE WITH CITY'S LABOR NEGOTIATOR (GOV'T CODE §54957.6): -2- MATTER(S)

Employee Organizations: Fire Fighters' Association (FFA) and Police Officers' Association (POA).

Agency Designated Representative: Laura Kalty, Irma Moisa Rodriguez, City Manager, Darrell George, and Human Resources Director, Rebecca Redyk

6:00 PM – CONVENE OPEN SESSION – CALL TO ORDER / ROLL CALL

INVOCATION – Father Alexei Smith, St. Andrew Russian Catholic Church

PLEDGE OF ALLEGIANCE – Council Member Pirsztuk

SPECIAL PRESENTATIONS

3. Spark of Love Proclamation
4. Recognition of Residents' Outstanding Efforts to Address the Community Impact of Hyperion
5. Family Court Awareness Month

PUBLIC COMMUNICATIONS – (RELATED TO CITY BUSINESS ONLY – 5 MINUTE LIMIT PER PERSON, 30 MINUTE LIMIT TOTAL) *Individuals who have received value of \$50 or more to communicate to the City Council on behalf of another, and employees speaking on behalf of their employer, must so identify themselves prior to addressing the City Council. Failure to do so shall be a misdemeanor and punishable by a fine of \$250. While all comments are welcome, the Brown Act does not allow Council to take action on any item not on the agenda. The Council will respond to comments after Public Communications is closed.*

CITY MANAGER FOLLOW-UP COMMENTS –

Hyperion Water Reclamation Plant Update

A. PROCEDURAL MOTIONS

Read All Ordinances and Resolutions on the Agenda by Title Only

Recommendation -

Approval

B. CONSENT

6. City Council Meeting Minutes

Recommendation -

1. Approve City Council meeting minutes of October 18, 2022.

7. Warrant Demand Register for October 3, 2022 through October 16, 2022

Recommendation -

1. Ratify payroll and employee benefit checks; checks released early due to contracts or agreements; emergency disbursements and/or adjustments; and, wire transfers.
2. Approve Warrant Demand Register numbers 7B and 8A: warrant numbers 3042706 through 3042922, and 9002665 through 9002697.
3. Alternatively, discuss and take other action related to this item.

8. Amendment to Contract with Wittman Enterprises, LLC for Ambulance Transport Billing Services

Recommendation -

1. Authorize the City Manager to execute a contract amendment with Wittman Enterprises, LLC to expand the scope of services and increase the total contract amount to \$80,000.
2. Alternatively, discuss and take other action related to this item.

9. Amendment to Contract with DownStream Services, Inc. for On-Call Pump Station Repair Services

Recommendation -

1. Authorize the City Manager to execute a contract amendment with DownStream Services, Inc. for an additional \$169,605.23 for on-call pump station repair services.
2. Alternatively, discuss and take other action related to this item.

10. Amendment to Contract with Union Construction for City Hall Fire Alarm System

Recommendation -

1. Authorize the City Manager to execute a standard Public Works Construction Contract Amendment with Union Construction Company for \$133,464.20 for a fire alarm system in City Hall (Project No. PW 21-11), and authorize an additional \$10,000 as contingency funds for potential unforeseen conditions.
2. Alternatively, discuss and take other action related to this item.

11. Amendment to Agreement with Van Lingen Towing to Extend the Term for Towing and Storage Services and Waive Bidding Requirements

Recommendation -

1. Approve an amendment to the agreement with Van Lingen Towing to extend the term for two years (with an option to extend for an additional two years) to provide towing and storage services and waive bidding requirements pursuant to El Segundo Municipal Code § 1-7-9(A).
2. Authorize the City Manager to execute the amendment.
3. Alternatively, discuss and take other action related to this item.

C. PUBLIC HEARINGS

12. **Resolution Approving the Vacation of Hornet Way Street from Imperial Highway to 118th Street**

Recommendation -

1. Conduct a public hearing.
2. Adopt the Resolution Vacating the Hornet Way Street from Imperial Highway to 118th Street.
3. Alternatively, discuss and take other action related to this item.

D. STAFF PRESENTATIONS

13. **Phase One Improvements of Recreation Park**

Recommendation -

1. Provide direction on conceptual plan for Phase One improvements at Recreation Park.
2. Provide direction on priority for each project within Phase One.
3. Provide direction on project funding priorities.
4. Alternatively, discuss and take other action related to this item.

14. **Fire Department Automatic and Mutual Aid Report**

Recommendation -

1. Receive and file the Fire Department Automatic and Mutual Aid Report.
2. Alternatively, discuss and take other action related to this matter.

15. **Ordinance Amending El Segundo Municipal Code Title 13 to Adopt by Reference, with Certain Local Amendments, Parts 2, 2.5, 3, 4, 5, 6, 8, 9, 10, and 11 the 2022 California Building Standards Code; the 2021 International Property Maintenance and Swimming Pool and Spa Codes; and the 2021 Uniform Solar, Hydronics, and Geothermal Code**

Recommendation -

1. Read by title only, waive further reading, and introduce the proposed Ordinance.
2. Schedule a public hearing for November 15, 2022 for the second reading and adoption of the Ordinance.

3. Adopt a Resolution making certain findings to support local amendments to the codes adopted by reference.

4. Alternatively, discuss and take other action related to this item.

E. COMMITTEES, COMMISSIONS AND BOARDS PRESENTATIONS

F. REPORTS - CITY CLERK

G. REPORTS - CITY TREASURER

H. REPORTS - COUNCIL MEMBERS

COUNCIL MEMBER GIROUX

COUNCIL MEMBER NICOL

COUNCIL MEMBER PIRSZTUK

MAYOR PRO TEM PIMENTEL

MAYOR BOYLES

I. REPORTS - CITY ATTORNEY

J. REPORTS/FOLLOW-UP - CITY MANAGER

CLOSED SESSION

The City Council may move into a closed session pursuant to applicable law, including the Brown Act (Government Code Section §54960, et seq.) for the purposes of conferring with the City's Real Property Negotiator; and/or conferring with the City Attorney on potential and/or existing litigation; and/or discussing matters covered under Government Code Section §54957 (Personnel); and/or conferring with the City's Labor Negotiators.

REPORT OF ACTION TAKEN IN CLOSED SESSION (if required)

MEMORIALS

ADJOURNMENT

POSTED:

DATE: October 27, 2022

TIME: 4:00 PM

BY: Tracy Weaver, City Clerk

Proclamation

City of El Segundo, California

- WHEREAS,** In an effort to provide for children who otherwise might not experience the joy of the holiday season, the City of El Segundo Fire Department along with other Southland fire agencies, has participated in the *Spark of Love* program for the past thirty years and has collected toys and food items donated during the holidays; and
- WHEREAS,** The ever upward spiraling cost of living burdens disadvantaged and displaced families who may not be able to give gifts during the holiday season without help from the *Spark of Love* program; and
- WHEREAS,** The true holiday spirit is reflected in unselfish giving and our thoughts and hearts go out to those less fortunate than ourselves; and
- WHEREAS,** In the past, with the help of civic-minded citizens who live and work in our community, hundreds of toys plus food items have been collected and distributed to children and families in El Segundo and other South Bay cities.

NOW, THEREFORE, the Mayor and Members of the City Council of the City of El Segundo, California, do hereby proclaim November 14, 2022 through December 16, 2022 as the Spark of Love Toy Drive.



The community is encouraged to support this holiday program by contributing toys and non-perishable foods to the El Segundo Fire Department, Fire Station No. 1 at 314 Main Street, during the period of November 14 through December 16, 2022.



Mayor Drew Boyles

Mayor Pro Tem Chris Pimentel
Council Member Scot Nicol

Council Member Carol Pirsztuk
Council Member Lance Giroux

Proclamation

City of El Segundo, California

WHEREAS, in 2017, Piqui, a five-year-old was suffocated by his biological father during an approved court visit despite his father’s history of abusive behavior and his mother Ana Estevez’s plea to the court to protect him; and

WHEREAS, to honor Piqui and all of the California children who have been murdered by a divorcing or separating parent and the conservatively estimated 58,000 U.S. children annually are being court ordered into unsupervised visitation with an abusive parent; and

WHEREAS, the mission of the FCAMC is to increase awareness on the importance of empirically-based education and training on domestic violence and child abuse, including emotional, psychological, physical, and sexual abuse, as well as childhood trauma, coercive control, and post separation abuse for judges and all professionals working on cases within the family court system; and

WHEREAS, the mission at the FCAMC is to increase awareness on the importance of using scientifically valid, evidence-based, treatment programs and services that are proven in terms of safety, effectiveness, and therapeutic value; and

WHEREAS, the mission at the FCAMC is to educate judges and other family court professionals on evidence-based, peer-reviewed research. Such research is a critical component to making decisions that are truly in the best interest of children. This research includes The Adverse Childhood Experiences (ACEs) Study; Child Custody Evaluators’ Beliefs About Domestic Abuse Allegations; and Child Custody Outcomes in Cases Involving Parental Alienation and Abuse Allegations.

NOW, THEREFORE, on this 1st day of November , the Mayor and Members of the City Council of the City of El Segundo, California, hereby proclaim November 2022 as “**Family Court Awareness Month**”, and encourage all citizens to support their local communities’ efforts to prevent the harm of children in the hands of family members and to honor and value the lives of children.



Mayor Drew Boyles

*Mayor Pro Tem Carol Pirsztuk
Council Member Scot Nicol*

*Council Member Chris Pimentel
Council Member Lance Giroux*

MEETING MINUTES OF THE EL SEGUNDO CITY COUNCIL
TUESDAY, OCTOBER 18, 2022

CLOSED SESSION – Mayor Boyles called to order at 4:00 PM.

ROLL CALL

Mayor Boyles - Present
Mayor Pro Tem Pimentel - Present @ 4:06 PM
Council Member Pirsztuk - Present via teleconferencing
Council Member Nicol - Present
Council Member Giroux - Present

PUBLIC COMMUNICATION – (Related to City Business Only – 5-minute limit per person, 30-minute limit total) None

SPECIAL ORDER OF BUSINESS:

Mayor Boyles announced that Council would be meeting in closed session pursuant to the items listed on the Agenda.

CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION (GOV'T CODE §54956.9(D)(1): -1- MATTER(S)

Breck Slover (Retired Fire Fighter) v. City of El Segundo, Workers Compensation Appeals Board Case No. ADJ12808178

CONFERENCE WITH LEGAL COUNSEL – ANTICIPATED LITIGATION

Initiation of litigation pursuant to Government Code §54956.9(c): -1- matter

PUBLIC EMPLOYMENT (GOV'T CODE §54957) -2- MATTER(S)

City Manager and City Attorney
Performance Evaluations

CONFERENCE WITH CITY'S LABOR NEGOTIATOR (GOV'T CODE §54957.6): -4- MATTER(S)

Employee Organizations: Fire Fighters' Association (FFA), Police Officers' Association (POA), Supervisory Professional Employee Association (SPEA), and Professional Support Services Employee Association (PSSEA).

Agency Designated Representative: Irma Moisa Rodriguez, City Manager, Darrell George, and Human Resources Director, Rebecca Redyk

Recessed at 5:50 PM

OPEN SESSION – Mayor Boyles called to order at 6:00 PM

ROLL CALL

Mayor Boyles - Present
Mayor Pro Tem Pimentel - Present
Council Member Pirsztuk - Present via teleconferencing
Council Member Nicol - Present
Council Member Giroux - Present

INVOCATION – Pastor Rob McKenna, The Bridge

PLEDGE OF ALLEGIANCE – Council Member Giroux

SPECIAL PRESENTATIONS:

1. Commendation read by Mayor Pro Tem Pimentel, recognizing Kite, a Gilead Company on the Five-Year Anniversary of FDA Approval to Produce Cell Therapies to Cure Cancer. Mitra Cruz and Joseph Roth accepted the Commendation on behalf of Kite.
 2. Deena Lee, Fire Chief introduced and Council recognized Nicole Pesqueira, Fire Marshal for Graduating from All American Leadership Academy.
 3. Darrell George, City Manager introduced Jose Calderon, the City's new Information Technology Services Director.
- A. Read all Ordinances and Resolutions on the Agenda by Title Only.

MOTION by Council Member Giroux, SECONDED by Mayor Pro Tem Pimentel to read all ordinances and resolutions on the agenda by title only. MOTION PASSED BY UNANIMOUS VOICE VOTE. 5/0

C. PUBLIC HEARINGS: *(Item #10C moved forward on the agenda)*

10. Public Hearing on the Bargaining Impasse Between the City of El Segundo and the El Segundo Firefighters' Association Regarding the Potential Impacts of the Brownout (Temporary Suspension) of Engine Number 32
(Fiscal Impact: After the public hearing, should the City Council implement the City's Last, Best, and Final Offer ("LBFO"), cost savings are estimated to be \$600,000 over a six-month period for the Brownout of Engine Number 32)

Mayor Boyles stated this was time and place for a Public Hearing regarding the bargaining impasse between the City of El Segundo and the El Segundo Firefighters' Association regarding the potential impacts of the brownout (temporary suspension) of Engine Number 32.

Clerk Weaver stated that proper notice had been given in a timely manner and that written communication had been received in the City Clerk's office.

John Bakhit, City's Labor Attorney with the law office of aa/rr gave a presentation.

Geoffrey Gerny, Firefighters' Association President gave a presentation.

Public Input:

Michelle Keldorf, resident, not in favor of browning out Engine No. 32.

Samantha Lee, resident, not in favor of browning out Engine No. 32.

MOTION by Council Member Nicol, SECONDED by Council Member Giroux to close the public hearing. MOTION PASSED BY UNANIMOUS VOICE VOTE. 5/0

Council Discussion

Deena Lee, Fire Chief answered Council's questions.

Mark Hensley, City Attorney read by title only:

RESOLUTION NO. 5370

A RESOLUTION AUTHORIZING IMPLEMENTATION OF THE TERMS OF THE CITY'S LAST, BEST, AND FINAL OFFER TO THE EL SEGUNDO FIREFIGHTERS' ASSOCIATION, IAFF, LOCAL 3682 (ESFA), PURSUANT TO GOVERNMENT CODE SECTION 3505, ET SEQ.

MOTION by Council Member Giroux, SECONDED by Council Member Pirsztuk approving Resolution No. 5370. MOTION PASSED BY UNANIMOUS VOICE VOTE. 5/0

PUBLIC COMMUNICATIONS – (Related to City Business Only – 5-minute limit per person, 30-minute limit total)

Barbara Briney, resident, commented on Measure BT and is not in favor.

Geoffrey Gerny, resident, commented on browning out Engine No. 32.

CITY MANAGER FOLLOW-UP COMMENTS:

Darrell George gave an update on Hyperion Water Reclamation Plant and Richmond Street Outdoor Dining and Mark Hensley, City Attorney answered Council's questions.

Mayor Boyles and Council Member Nicol left the dais during the discussion of Richmond Street Outdoor dining update due to conflicts of interest and returned after the discussion ended.

B. CONSENT:

4. Approve regular City Council meeting minutes of October 4, 2022.
(Fiscal Impact: None)

5. Approve warrants demand register for September 19, 2022 through October 2, 2022, number 6B and 7A, warrant numbers 3042548 through 3042705, and 9002664. Ratify Payroll and employee benefit Checks; Checks released early due to contracts or agreement; Emergency disbursements and/or adjustments; and, Wire transfers.
(Fiscal Impact: \$1,738,849.01 (\$963,029.67 in check warrants and \$775,819.34 in wire warrants))
6. Approve an amendment to Agreement No. 6379 with Dennis Grubb and Associates, LLC to increase the total contract amount from \$50,000 to \$150,000 for fire prevention plan check services and authorize the City Manager to execute amended Agreement No. 6379B.
(Fiscal Impact: \$150,000 included in FY 22-23 Budget)
7. Accept construction of Sidewalk Project at 400 W. Mariposa Avenue and 300 W. Pine Amendment by Gentry General Engineering as complete and authorize the City Clerk's office to file a Notice of Completion with the County Recorder's Office. Project No. PW 21-07.
(Fiscal Impact: \$206,496.86 Measure M local return fund)
8. Waive second reading and adopt Ordinance No. 1640 adding Chapter 13-33 to the El Segundo Municipal Code.
(Fiscal Impact: The proposed Ordinance would enable the City's cost recovery for excessive fire false alarm calls. The El Segundo Fire Department ("ESFD") will present a fee resolution on October 18, 2022 (or as soon thereafter as may be considered) to the City Council to modify an existing false alarm fee that ESFD included with the recently adopted Master Fee Schedule. The adopted fee allowed the City to collect ESFD costs after three false alarms, but the proposed amendment will conform with the Ordinance to allow City cost recovery after the first two false alarms)
9. Adopted Resolution No. 5369 to continue the City's utilization of relaxed teleconferencing requirements under the Brown Act.
(Fiscal Impact: None)

MOTION by Council Member Giroux, SECONDED by Mayor Pro Tem Pimentel approving Consent Agenda items 4, 5, 6, 7, 8 and 9. MOTION PASSED BY UNANIMOUS VOICE VOTE. 5/0

C. PUBLIC HEARINGS:

10. *Moved forward on the agenda after Special Presentations*
11. Resolution Amending a Regulatory Fee to Recover City Costs for Excessive False Alarm Responses
(Fiscal Impact: The current adopted fee allowed the City to collect ESFD costs after three false alarms, but the proposed amendment will conform with the

Ordinance to allow City cost recovery after the first two false alarms. City staff anticipates the Ordinance will cause most alarm system owners to be more responsible in maintaining their systems in proper working order, requiring a lower number of responses. Pursuant to California Constitution article XIII C, § 1(e)(3), the fees authorized through the Ordinance do not constitute a “tax” as they concern City regulation enforcement and investigation performance associated with a regulatory program)

Mayor Boyles stated this was time and place for a Public Hearing regarding a resolution amending a regulatory fee to recover city costs for excessive false alarm responses.

Clerk Weaver stated that proper notice had been given in a timely manner and that no written communication had been received in the City Clerk’s office.

Mark Hensley, City Attorney reported and answered Council’s questions on the item.

Public Input: None

MOTION by Council Member Nicol, SECONDED by Council Member Giroux to close the public hearing. MOTION PASSED BY UNANIMOUS VOICE VOTE. 5/0

Council Discussion

Mark Hensley, City Attorney read by title only:

RESOLUTION NO. 5371

A RESOLUTION AMENDING A REGULATORY FEE TO RECOVER CITY COSTS INCURRED FOR CERTAIN REGULATORY EL SEGUNDO FIRE DEPARTMENT REPONSES.

MOTION by Council Member Giroux, SECONDED by Council Member Nicol approving Resolution No. 5370. MOTION PASSED BY UNANIMOUS VOICE VOTE. 5/0

D. STAFF PRESENTATIONS:

12. Urho Saari Swim Stadium (“The Plunge”) Project
(Fiscal Impact: Budgeted Amount: \$2,500,000 plus \$2,500,710 (Chevron Contribution - \$500,000, L.A. Chargers Headquarters Agreement - \$2,000,000, \$710 - Interest), for a total of \$5,000,710. Current Balance: \$4,152,672 (\$848,038 has been encumbered for design). Additional Appropriation: None
Account Number(s): 01-400-8186-8236 (Plunge Rehabilitation 2020) & 702-233-5101-5418 (Trust Fund for Plunge Rehab Reserve). Approximately \$10.7M is expected to be available for this project in FY 2025-2026 as follows: \$4,152,672 - Current balance, \$4,500,000 - City General Fund Budget (\$1,500,000 per year for three years - FY 2023-2024 through FY 2025-2026). \$1,000,000 - L.A. Chargers Headquarters (Ordinance #1631) - \$2,000,000 has been paid to date and is included in the current balance above. \$1,000,000 - Provided by ESUSD

(Agreement 5586), Estimated Operation & Maintenance (including personnel and utilities): \$200,000 per year))

Elias Sassoon, Public Works Director made a correction to the estimated operation and maintenance cost, the staff report stated \$200,000 and Mr. Sassoon corrected the cost to \$400,000.

Elias Sassoon, Public Works Director, Thomas Moore, Michael Wahl and Javi Kanani with Arcadia IBI Group, gave a presentation.

Council Discussion

Council consensus directing staff to make revisions/modifications to the conceptual design in order to lower the overall cost and budget of “The Plunge” project and report back at the first Council meeting in December.

13. FY 2021-2022 Year-End Financial Report (Fiscal Impact: None)

Joseph Lillio, Chief Financial Officer gave a presentation.

Council Discussion

Council consensus to receive and file the report.

14. Extension of License Agreements with El Segundo Youth Sports Organizations (Fiscal Impact: Total annual revenue from the license agreements is estimated to be \$24,000, which has been included in the adopted 22-23 budget)

Aly Mancini, Recreation, Parks and Library Director

Council Discussion

MOTION by Council Member Nicol, SECONDED by Council Member Giroux authorizing the City Manager to extend License Agreement No's. 4814D, 4815D, 4816D, 4817D, 4818D, 4819D, 4821D with each El Segundo Youth Sports Organization identified in the Youth Sports Council Athletic Field/Facility Use and Allocation Policy for the remainder of FY 22-23. MOTION PASSED BY UNANIMOUS VOICE VOTE. 5/0

E. COMMITTEES, COMISSIONS AND BOARDS PRESENTATIONS: None

F. REPORTS – CITY CLERK – Announced the last City Council Candidate forum will be held tomorrow night, October 19th hosted by the El Segundo Women's Club at 6:00 PM. Ballot Box is now open and the Teen Center Vote Center will open Saturday, November 5th and will be open from 10:00 am – 7:00 pm through November 7th and Election Day, November 8th will be open from 7:00 am – 8:00 pm.

G. REPORTS – CITY TREASURER – Not present

H. REPORTS – COUNCIL MEMBERS

Council Member Giroux –

Council Member Nicol – No report

Council Member Pirsztuk – Left the meeting at 8:34 PM

Mayor Pro Tem Pimentel – Attended the Transportation meeting for Southern California Association of Governments, no report for ICRMA and will attend the Sanitation District meeting on October 19, 2022.

Mayor Boyles –. Wished his Mom and Carol Pirsztuk Happy Birthday!

I. REPORTS – CITY ATTORNEY – Mentioned the legislation report is still in progress and will be brought to Council in late November or early December.

J. REPORTS/FOLLOW-UP – CITY MANAGER – Mentioned The League of California Cities representative, Jeff Kiernan, has offered to attend a Council Meeting and answer Council’s questions if they would like.

MEMORIALS – None

Adjourned at 9:20 PM

Tracy Weaver, City Clerk



City Council Agenda Statement

Meeting Date: November 1, 2022

Agenda Heading: Consent

Item Number: B.7

TITLE:

Warrant Demand Register for October 3, 2022 through October 16, 2022

RECOMMENDATION:

1. Ratify payroll and employee benefit checks; checks released early due to contracts or agreements; emergency disbursements and/or adjustments; and, wire transfers.
2. Approve Warrant Demand Register numbers 7B and 8A: warrant numbers 3042706 through 3042922, and 9002665 through 9002697.
3. Alternatively, discuss and take other action related to this item.

FISCAL IMPACT:

The warrants presented were drawn in payment of demands included within the FY 2022-2023 Adopted Budget. The total of \$4,772,296.22 (\$1,102,088.65 in check warrants and \$3,670,207.57 in wire warrants) are for demands drawn on the FY 2022-2023 Budget.

BACKGROUND:

California Government Code Section 37208 provides General Law cities flexibility in how budgeted warrants, demands, and payroll are audited and ratified by their legislative body. Pursuant to Section 37208 of the California Government Code, warrants drawn in payments of demands are certified by the City's Chief Financial Officer and City Manager as conforming to the authorized expenditures set forth in the City Council adopted budget need not be audited by the City Council prior to payment, but may be presented to the City Council at the first meeting after delivery.

In government finance, a warrant is a written order to pay that instructs a federal, state, county, or city government treasurer to pay the warrant holder on demand or after a specific date. Such warrants look like checks and clear through the banking system like

Warrant Demand Register

November 1, 2022

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checks. Warrants are issued for payroll to individual employees, accounts payable to vendors, to local governments, and to companies or individual taxpayers receiving a refund.

DISCUSSION:

The attached Warrants Listing delineates the warrants that have been paid for the period identified above. The Chief Financial Officer certifies that the listed warrants were drawn in payment of demands conforming to the adopted budget and that these demands are being presented to the City Council at its first meeting after the delivery of the warrants.

CITY STRATEGIC PLAN COMPLIANCE:

Goal 5: Champion Economic Development and Fiscal Sustainability

Objective 5B: El Segundo approaches its work in a financially strategic and responsible way.

PREPARED BY:

Liz Lydic, Management Analyst

REVIEWED BY:

Joseph Lillio, Chief Financial Officer

APPROVED BY:

Barbara Voss, Deputy City Manager

ATTACHED SUPPORTING DOCUMENTS:

1. Register 7b summary
2. Register 8a summary

CITY OF EL SEGUNDO
WARRANTS TOTALS BY FUND

3042706 - 3042797
9002665 - 9002695

DATE OF APPROVAL: AS OF 10/18/22

REGISTER # 7b

001	GENERAL FUND	254,504.60
003	EXPENDABLE TRUST FUND - OTHER	5,445.24
104	TRAFFIC SAFETY FUND	-
106	STATE GAS TAX FUND	-
108	ASSOCIATED RECREATION ACTIVITIES FUND	-
109	ASSET FORFEITURE FUND	2,850.00
110	MEASURE "R"	-
111	COMM. DEVEL. BLOCK GRANT	-
112	PROP "A" TRANSPORTATION	3,238.99
114	PROP "C" TRANSPORTATION	-
115	AIR QUALITY INVESTMENT PROGRAM	-
116	HOME SOUND INSTALLATION FUND	-
117	HYPERION MITIGATION FUND	-
118	TDA ARTICLE 3 - SB 821 BIKEWAY FUND	-
119	MTA GRANT	-
120	C.O.P.S. FUND	-
121	FEMA	-
122	L.A.W.A. FUND	-
123	PSAF PROPERTY TAX PUBLIC SAFETY	-
124	FEDERAL GRANTS	-
125	STATE GRANT	-
126	AP CUPA PROGRAM OVERSIGHT SURCHARGE	480.00
127	MEASURE "M"	196,172.02
128	SB-1	-
129	CERTIFIED ACCESS SPECIALIST PROGRAM	-
130	AFFORDABLE HOUSING	-
131	COUNTY STORM WATER PROGRAM	-
202	ASSESSMENT DISTRICT #73	-
301	CAPITAL IMPROVEMENT FUND	-
302	INFRASTRUCTURE REPLACEMENT FUND	-
405	FACILITIES MAINTENANCE	-
501	WATER UTILITY FUND	199,578.49
502	WASTEWATER FUND	1,898.14
503	GOLF COURSE FUND	-
505	SOLID WASTE FUND	-
601	EQUIPMENT REPLACEMENT	-
602	LIABILITY INSURANCE	-
603	WORKERS COMP. RESERVE/INSURANCE	459.76
701	RETIRED EMP. INSURANCE	-
702	EXPENDABLE TRUST FUND - DEVELOPER FEES	-
704	CULTURAL DEVELOPMENT	4,493.32
708	OUTSIDE SERVICES TRUST	22,557.21
	TOTAL WARRANTS	<u>\$ 691,677.77</u>

STATE OF CALIFORNIA
COUNTY OF LOS ANGELES

Information on actual expenditures is available in the Director of Finance's office in the City of El Segundo.

I certify as to the accuracy of the Demands and the availability of fund for payment thereof.

For Approval: Regular checks held for City council authorization to release.

CODES:

R = Computer generated checks for all non-emergency/urgency payments for materials, supplies and services in support of City Operations

For Ratification:

A = Payroll and Employee Benefit checks

AP - U = Computer generated Early Release disbursements and/or adjustments approved by the City Manager. Such as: payments for utility services, petty cash and employee travel expense reimbursements, various refunds, contract employee services consistent with current contractual agreements, instances where prompt payment discounts can be obtained or late payment penalties can be avoided or when a situation arises that the City Manager approves.

H = Handwritten Early Release disbursements and/or adjustments approved by the City Manager.

CHIEF FINANCIAL OFFICER

Joseph Kato
10-10-2022

CITY MANAGER

Deborah

DATE:

DATE:

10-11-22

VOID CHECKS DUE TO ALIGNMENT:
N/A

VOID CHECKS DUE TO INCORRECT CHECK DATE:

VOID CHECKS DUE TO COMPUTER SOFTWARE ERROR:

NOTES

CITY OF EL SEGUNDO
WARRANTS TOTALS BY DEPARTMENT
AS OF 10/18/22
REGISTER # 7b

DEPT#	NAME	TOTAL
GENERAL FUND DEPARTMENTAL EXPENDITURES		
GENERAL GOVERNMENT		
1101	City Council	6,653.90
1201	City Treasurer	1,130.00
1300	City Clerk	2,625.90
2101	City Manager	2,189.85
2102	Communications	159.22
2103	El Segundo Media	1,018.94
2201	City Attorney	8,647.50
2401	Economic Development	2,458.55
2402	Planning	759.00
2500	Administrative Services	93,803.80
2601	Government Buildings	36,888.71
2700	Community Outreach/Planning	1,200.00
2900	Nondepartmental	
6100	Library	8,002.46
		<u>165,537.83</u>
PUBLIC SAFETY		
3100	Police	15,308.79
3200	Fire	16,981.07
2403	Building Safety	425.00
2404	Plng/Bldg Sfty Administration	504.39
		<u>33,219.25</u>
PUBLIC WORKS		
4101	Engineering	21,067.04
4200	Streets/Park Maintenance	13,582.95
4300	Wastewater	
4601	Equipment Maintenance	8,857.76
4801	Administration	255.88
		<u>43,763.63</u>
COMMUNITY SERVICES		
5100,5200	Recreation & Parks	10,037.47
5400	Centennial	300.00
		<u>10,337.47</u>
EXPENDITURES		
CAPITAL IMPROVEMENT		
ALL OTHER ACCOUNTS		
		438,819.59
TOTAL WARRANTS		
		<u><u>691,677.77</u></u>

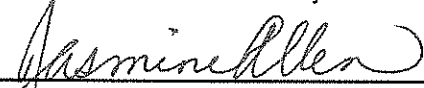
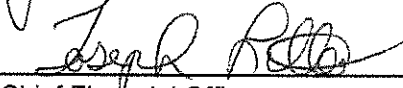
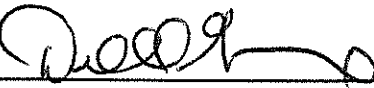
**CITY OF EL SEGUNDO
 PAYMENTS BY WIRE TRANSFER
 10/03/22 THROUGH 10/09/22**

<u>Date</u>	<u>Payee</u>		<u>Description</u>
10/3/2022	IRS	310,243.83	Federal 941 Deposit
10/3/2022	Employment Development	4,817.71	State SDI payment
10/3/2022	Employment Development	75,528.54	State PIT Withholding
10/4/2022	Cal Pers	61,652.10	EFT Retirement Safety Police Classic - 1st Tier 28
10/4/2022	Cal Pers	58,311.94	EFT Retirement Safety Fire- Classic 30168
10/4/2022	Cal Pers	49,970.09	EFT Retirement Misc - PEPRA New 26013
10/4/2022	Cal Pers	35,928.93	EFT Retirement Misc - Classic 27
10/4/2022	Cal Pers	28,068.97	EFT Retirement Safety-Police-PEPRA New 25021
10/4/2022	Cal Pers	14,306.34	EFT Retirement Safety-Fire-PEPRA New 25020
10/4/2022	Cal Pers	7,395.24	EFT Retirement Sfty Police Classic-2nd Tier 30169
10/6/2022	Cal Pers	2,618.98	Replacement Benefit Contributions
09/26/22-10/02/22	Workers Comp Activity	89,623.97	SCRMA checks issued
09/26/22-10/02/22	Liability Trust - Claims	30,125.05	Claim checks issued/(voided)
09/26/22-10/02/22	Retiree Health Insurance	-	Health Reimbursement checks issued
		<u>768,591.69</u>	

**DATE OF RATIFICATION: 10/10/22
 TOTAL PAYMENTS BY WIRE:**

768,591.69

Certified as to the accuracy of the wire transfers by:

	<u>10/10/2022</u>
Deputy City Treasurer II	Date
	<u>10-10-2022</u>
Chief Financial Officer	Date
	<u>10-11-22</u>
City Manager	Date

Information on actual expenditures is available in the City Treasurer's Office of the City of El Segundo.

CITY OF EL SEGUNDO
WARRANTS TOTALS BY FUND

3042798 - 3042922
9002696 - 9002697

DATE OF APPROVAL: AS OF 11/1/2022

REGISTER # 8A

001	GENERAL FUND	317,345.48
003	EXPENDABLE TRUST FUND - OTHER	4,608.00
104	TRAFFIC SAFETY FUND	-
106	STATE GAS TAX FUND	25,283.89
108	ASSOCIATED RECREATION ACTIVITIES FUND	-
109	ASSET FORFEITURE FUND	-
110	MEASURE "R"	-
111	COMM. DEVEL. BLOCK GRANT	-
112	PROP "A" TRANSPORTATION	-
114	PROP "C" TRANSPORTATION	-
115	AIR QUALITY INVESTMENT PROGRAM	-
116	HOME SOUND INSTALLATION FUND	-
117	HYPERION MITIGATION FUND	-
118	TDA ARTICLE 3 - SB 821 BIKEWAY FUND	-
119	MTA GRANT	-
120	C.O.P.S. FUND	-
121	FEMA	-
122	L.A.W.A. FUND	-
123	PSAF PROPERTY TAX PUBLIC SAFETY	-
124	FEDERAL GRANTS	-
125	STATE GRANT	-
126	A/P CUPA PROGRAM OVERSIGHT SURCHARGE	325.31
127	MEASURE "M"	805.00
128	SB-1	-
129	CERTIFIED ACCESS SPECIALIST PROGRAM	-
130	AFFORDABLE HOUSING	-
131	COUNTY STORM WATER PROGRAM	-
202	ASSESSMENT DISTRICT #73	-
301	CAPITAL IMPROVEMENT FUND	9,810.00
302	INFRASTRUCTURE REPLACEMENT FUND	-
405	FACILITIES MAINTENANCE	-
501	WATER UTILITY FUND	12,296.63
502	WASTEWATER FUND	35,911.84
503	GOLF COURSE FUND	-
505	SOLID WASTE FUND	-
601	EQUIPMENT REPLACEMENT	-
602	LIABILITY INSURANCE	498.79
603	WORKERS COMP. RESERVE/INSURANCE	225.41
701	RETIRED EMP. INSURANCE	-
702	EXPENDABLE TRUST FUND - DEVELOPER FEES	160.76
704	CULTURAL DEVELOPMENT	139.77
708	OUTSIDE SERVICES TRUST	-
TOTAL WARRANTS		<u>\$ 410,410.88</u>

STATE OF CALIFORNIA
COUNTY OF LOS ANGELES

Information on actual expenditures is available in the Director of Finance's office in the City of El Segundo.

I certify as to the accuracy of the Demands and the availability of fund for payment thereof.

For Approval: Regular checks held for City council authorization to release.

CODES:

R = Computer generated checks for all non-emergency/urgency payments for materials, supplies and services in support of City Operations

VOID CHECKS DUE TO ALIGNMENT:
N/A

For Ratification:

A = Payroll and Employee Benefit checks

VOID CHECKS DUE TO INCORRECT CHECK DATE:

AP - U = Computer generated Early Release disbursements and/or adjustments approved by the City Manager. Such as: payments for utility services, petty cash and employee travel expense reimbursements, various refunds, contract employee services consistent with current contractual agreements, instances where prompt payment discounts can be obtained or late payment penalties can be avoided or when a situation arises that the City Manager approves.

VOID CHECKS DUE TO COMPUTER SOFTWARE ERROR:

H = Handwritten Early Release disbursements and/or adjustments approved by the City Manager.

NOTES

CHIEF FINANCIAL OFFICER

Joseph Kottis
10-17-2022

CITY MANAGER

[Signature]

DATE:

DATE:

10-19-22

CITY OF EL SEGUNDO
WARRANTS TOTALS BY DEPARTMENT
AS OF 11/1/2022
REGISTER # 8A

DEPT#	NAME	TOTAL
GENERAL FUND DEPARTMENTAL EXPENDITURES		
GENERAL GOVERNMENT		
1101	City Council	180.18
1201	City Treasurer	(1.72)
1300	City Clerk	52.87
2101	City Manager	9,716.98
2102	Communications	
2103	El Segundo Media	
2201	City Attorney	
2401	Economic Development	10,760.63
2402	Planning	77.03
2500	Administrative Services	47,378.41
2601	Government Buildings	19,994.89
2700	Community Outreach/Planning	
2900	Nondepartmental	18,001.10
6100	Library	6,995.53
		<hr/> 113,155.90
PUBLIC SAFETY		
3100	Police	19,198.62
3200	Fire	42,549.95
2403	Building Safety	22,147.28
2404	Plng/Bldg Sfty Administration	(1.12)
		<hr/> 83,894.73
PUBLIC WORKS		
4101	Engineering	1,610.53
4200	Streets/Park Maintenance	26,992.20
4300	Wastewater	475.29
4601	Equipment Maintenance	21,159.76
4801	Administration	(14.49)
		<hr/> 50,223.29
COMMUNITY SERVICES		
5100,5200	Recreation & Parks	14,868.23
5400	Centennial	
		<hr/> 14,868.23
EXPENDITURES		
	CAPITAL IMPROVEMENT	9,810.00
	ALL OTHER ACCOUNTS	138,458.73
	TOTAL WARRANTS	<hr/> <hr/> 410,410.88

**CITY OF EL SEGUNDO
 PAYMENTS BY WIRE TRANSFER
 10/10/22 THROUGH 10/16/22**


<u>Date</u>	<u>Payee</u>		<u>Description</u>
10/11/2022	Cal Pers	568,822.92	EFT Health Insurance Payment
10/11/2022	West Basin	2,213,827.65	H2O payment
10/6/2022	California EDD	273.42	Reconciliation payment - missed on prior report
10/14/2022	Mission Square	58,960.09	457 payment Vantagepoint
10/14/2022	Mission Square	2,278.50	401(a) payment Vantagepoint
10/14/2022	Mission Square	1,038.46	401(a) payment Vantagepoint
10/14/2022	Mission Square	300.00	IRA payment Vantagepoint
10/14/2022	ExpertPay	2,720.76	EFT Child support payment
10/03/22-10/09/22	Workers Comp Activity	42,046.39	SCRMA checks issued
10/03/22-10/09/22	Liability Trust - Claims	4,190.00	Claim checks issued/(voided)
10/03/22-10/09/22	Retiree Health Insurance	7,157.69	Health Reimbursement checks issued
		<u>2,901,615.88</u>	


DATE OF RATIFICATION: 10/17/22

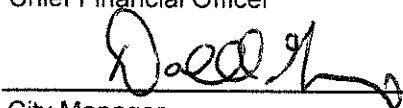
TOTAL PAYMENTS BY WIRE:

2,901,615.88

Certified as to the accuracy of the wire transfers by:


 Treasury & Customer Services Manager 10/17/22
 Date


 Chief Financial Officer 10-17-2022
 Date


 City Manager 10-19-22
 Date

Information on actual expenditures is available in the City Treasurer's Office of the City of El Segundo.



City Council Agenda Statement

Meeting Date: November 1, 2022

Agenda Heading: Consent

Item Number: B.8

TITLE:

Amendment to Contract with Wittman Enterprises, LLC for Ambulance Transport Billing Services

RECOMMENDATION:

1. Authorize the City Manager to execute a contract amendment with Wittman Enterprises, LLC to expand the scope of services and increase the total contract amount to \$80,000.
2. Alternatively, discuss and take other action related to this item.

FISCAL IMPACT:

Included in the Adopted FY 2022-23 Budget
Amount Budgeted: \$80,000
Additional Appropriation: N/A
Account Number: 001-400-3203-6214

BACKGROUND:

Wittman Enterprises, LLC provides ambulance transport billing services to the City of El Segundo. Fire Department administration is seeking to expand the scope of services to include fire inspection billing and collection services, and distribution of City Notices of Privacy practices.

DISCUSSION:

Based on excellent services delivered to the City of El Segundo, and the high demand for fire prevention and fire administrative services in the City, staff recommends expanding the scope of services with Wittman Enterprises, LLC to include fire inspection billing and collection services, and distribution of City Notices of Privacy Practices. The additional services will increase the contract sum to a total not to exceed

Agreement Amendment for Wittman Enterprises, LLC

November 1, 2022

Page 2 of 3

\$80,000 for FY 22-23.

Fire inspection billing and collection services include invoice processing for annual fire inspections and annual operational permits. The fee per processed inspection is \$18 as noted in Attachment 1, and will be recovered by the City via the Fire Prevention/Operations Inspection fee adopted in the FY 22-23 Master Fee Schedule (FR-004A), which allows the City to bill for any outside costs. Transferring this service to Wittman Enterprises will save an average of 40 administrative hours per month on data entry, generating and distributing invoices, and following up on past due invoices. The time savings will allow fire prevention staff to better serve the community in areas such as plan check applications and payment processing, scheduling inspections, and responding to public inquiries.

Distribution of City Notices of Privacy Practices includes processing and mailing Privacy Practices to patients transported by ambulance in accordance with The Healthcare Insurance Portability and Accountability Act (HIPAA). The fee for distributed notices will be approximately \$1.25 per mailed notice (pass-through cost only) as noted in Attachment 1. Transferring this service to Wittman Enterprises will save an average of ten administrative hours per month on data collection and manually mailing privacy notices. The time savings will allow fire administration staff to more efficiently serve the department in areas such as contract administration, grants management, public inquiry response, and various other administrative tasks.

CITY STRATEGIC PLAN COMPLIANCE:

Goal 1: Enhance Customer Service, Diversity, Equity, Inclusion and Communication

Objective 1A: El Segundo provides unparalleled service to all customers.

Goal 3: Promote a Quality Workforce Through Teamwork and Organizational Efficiencies

Objective: El Segundo is an employer of choice and consistently hires for the future, with a workforce that is inspired, world-class, engaged and innovative.

Goal 5: Champion Economic Development and Fiscal Sustainability

Objective 5A: El Segundo promotes economic growth and vitality for business and the community.

Objective 5B: El Segundo approaches its work in a financially strategic and responsible way.

PREPARED BY:

Agreement Amendment for Wittman Enterprises, LLC

November 1, 2022

Page 3 of 3

Vanessa Arias, Management Analyst

REVIEWED BY:

Deena Lee, Fire Chief

APPROVED BY:

Barbara Voss, Deputy City Manager

ATTACHED SUPPORTING DOCUMENTS:

1. Wittman First Contract Amendment
2. Master Fee Schedule 2022 (FR-004A)

**FIRST AMENDMENT
TO AGREEMENT FOR PARAMEDIC TRANSPORT BILLING SERVICES
BETWEEN THE CITY OF EL SEGUNDO AND WITTMAN ENTERPRISES, LLC**

THIS FIRST AMENDMENT TO AGREEMENT FOR PARAMEDIC TRANSPORT BILLING SERVICES BETWEEN THE CITY OF EL SEGUNDO AND WITTMAN ENTERPRISES, LLC (“First Amendment”), effective this 2nd day of November, 2022, is entered by and between the City of El Segundo (“PROVIDER”) and Wittman Enterprises, LLC (“CONSULTANT”). The PROVIDER and CONSULTANT are collectively referred to herein as the “Parties”.

RECITALS

- A. The Parties entered into that certain Agreement for Paramedic Transport Billing Services, with an effective date of April 4, 2000 (“Agreement”), by which PROVIDER retained CONSULTANT to provide billing and collection services for the PROVIDER’s ambulance billing program.
- B. The Parties desire to modify the Agreement to:
 - 1. Expand its scope of services to include Fire Inspection Billing Services and Notices of Privacy Practices document distribution; and
 - 2. Establish an annual not-to-exceed compensation limit.

NOW, THEREFORE, in consideration of the mutual promises, covenants and compensation set forth herein, the Parties agree as follows:

FIRST AMENDMENT

- 1. Pursuant to Section 6 of the Agreement (Additional Services of Contractor) and Agreement Section 19 (Modification of Agreement), the Parties amend Section 1 of the Agreement, entitled “Scope of Services,” to augment the Agreement’s scope of services set forth in Exhibit “A” thereto with the additional services described as follows and additionally described in Attachment 1 hereto, which is incorporated by reference:

Fire Prevention Bureau Services. PROVIDER shall pay for the Services that CONSULTANT performs for Fire Inspections Billing and Collection Services at the rate of \$18.00 per processed inspection. Mailed invoicing is to include up to three notices to Fire Inspection recipients. CONSULTANT will begin bill schedule no later than 30 days upon receipt of full billing information.

Distribution of City Notices of Privacy Practices. PROVIDER shall pay for the Services that CONSULTANT performs in the distribution of the City Notices of Privacy Practices to ambulance transport patients, at the monthly pass-through cost of customized printing and mailing (current year’s pass-through rate is approximately \$1.25 per mailed notice and changes with changes to printing and postage costs). CONSULTANT will mail monthly Privacy Notices to new transport

patients. CONSULTANT will begin mailing schedule no later than 30 days upon receipt of full billing information.

2. Pursuant to Agreement Section 19 (Modification of Agreement), Section 5 (Compensation and Method of Payment) amended in its entirety to read as follows:

5. COMPENSATION AND METHOD OF PAYMENT. Compensation to the CONTRACTOR will be as set forth in **Exhibit "B"** hereto and made a part hereof. Payments will be made approximately 30 days after receipt of each invoice as to all non-disputed fees. If the City disputes any of CONTRACTOR's fees, it will give written notice to CONTRACTOR within 30 days of receipt of an invoice of any disputed fees set forth therein. Compensation, as set forth in Section 13 will not exceed \$80,000 per year.

3. Pursuant to Agreement Section 19 (Modification of Agreement), Agreement Exhibit "B" is amended to include the additional compensation information set forth in Attachment 1 to this Amendment which is incorporated by reference.
4. To avoid ambiguity, Section IV (Delinquent Claim Handling) will apply to the additional Fire Prevention Bureau Services to be provided by CONTRACTOR to City under this Amendment.
5. This First Amendment may be executed in any number of counterparts, each of which will be an original, but all of which together constitutes one instrument executed on the same date. In accordance with Government Code §16.5, the parties agree that this First Amendment will be considered signed when the signature of a party is delivered by electronic transmission. Such electronic signature will be treated in all respects as having the same effect as an original signature.
6. Except as amended by this First Amendment to the Agreement, each and every term, covenant and condition thereof shall remain in full force and effect.

[SIGNATURES ON FOLLOWING PAGE]

IN WITNESS WHEREOF, the PROVIDER has caused this First Amendment to be signed and executed, and the CONSULTANT has signed and executed this First Amendment.

CITY OF EL SEGUNDO

WITTMAN ENTERPRISES, LLC

By _____
Darrel George, City Manager

By _____
Corinne Wittman-Wong, CEO

APPROVED AS TO FORM:
MARK D. HENSLEY, CITY ATTORNEY

Tax ID No. _____

Joaquin Vazquez,
Deputy City Attorney

**ATTACHMENT 1
ADDITIONAL SERVICE AND COMPENSATION TERMS**

Fire Inspection Billing and Collection Services – \$18 per processed inspection

1. El Segundo submits Excel spreadsheet of fire inspections to Wittman monthly.
2. Wittman processes and posts inspections to appropriate customer accounts monthly.
3. Wittman prints and mails up to three notices (invoices) to El Segundo fire inspection recipients, processes and posts payment(s) received.
4. Wittman invoices El Segundo monthly \$18 per processed inspection.

Distribution of City Notices of Privacy Practices – approximately \$1.25 per mailed notice (pass-through cost only), changes with any changes to associated printing and postage costs

Reference Number	Title	Fee Amount (\$)	Unit
FR-003M	Fire Access Plan Review	440.00	per plan
			OR Deposit with charges at actual costs as determined by staff
	Expedited Plan Check - additional 50% of standard plan check fee		
FR-004	Fire Protection Testing Test Fee	380.00	per system
FR-004A	Fire Prevention/Operations Inspection		
	Charge the fully allocated hourly rate for all personnel used plus any outside costs		
FR-007	Annual Fire Permit Permit Fee	120.00	per permit
FR-008	Special Event Permit Permit Fee	290.00	per permit
FR-008A	Tent Permit Permit Fee	235.00	per permit
FR-009	Alternate Means & Methods Review	4,830.00	per application
FR-009A	Fire Prevention Modification Request	965.00	per application
FR-009B	Fire Permit Extension	155.00	per application
FR-010	Fire Specialty System Reminder Program	20.00	per system
FR-012	Fire Re-Inspection Charges at the fully allocated hourly rates for all personnel involved plus any outside or contract costs.		
FR-013	After-Hours Fire Inspection Charges at the overtime rate (120% of fully allocated hourly rates) for all personnel involved plus any outside or contract costs, with a 2 hour minimum)		
FR-014	Hazardous Materials Insp. Program		
	Range I	1,470.00	
	Range II	1,590.00	
	Range III	1,915.00	
	Range IV	2,050.00	
	Range V	2,465.00	



City Council Agenda Statement

Meeting Date: November 1, 2022

Agenda Heading: Consent

Item Number: B.9

TITLE:

Amendment to Contract with DownStream Services, Inc. for On-Call Pump Station Repair Services

RECOMMENDATION:

1. Authorize the City Manager to execute a contract amendment with DownStream Services, Inc. for an additional \$169,605.23 for on-call pump station repair services.
2. Alternatively, discuss and take other action related to this item.

FISCAL IMPACT:

Included in Adopted FY 2022/23 Budget

Amount Budgeted: \$300,000

Additional Appropriation: None.

Account Number(s): 502-400-4301-6206 (Sewer Enterprise Fund, Contractual Service)

BACKGROUND:

The City of El Segundo has one water pump station, three storm water and nine sanitary sewer pump stations, which require routine maintenance to ensure safe, efficient and effective operation of these pump stations. On December 17, 2019, the City Council awarded a five-year "Maintenance and On-call Repairs" contract to DownStream Services, Inc., for an amount of \$538,920. This contract is currently in its fourth year, and the Downstream Services, Inc. firm has been performing satisfactorily and within the budget to keep these pump stations operational and in good working condition.

Contract Amendment for pump stations on-call repair services.

November 1, 2022

Page 2 of 2

DISCUSSION:

An annual examination of all the pump stations last month revealed that a couple of sanitary pump stations are in need of repair. The work consists of repairs to the pump shafts, motors, various valves, hardware, and fittings at the sanitary sewer pump station #6 (located at Palm Avenue, between California Street and Washington Street), and sanitary sewer pump station #8 (located at Center Street, between Grand Avenue and Franklin Avenue.) These necessary repairs are within the scope of the contract. However, the quantities of needed materials, parts, and labor exceed the budgeted amount. Additionally, the cost of materials and parts has increased since this contract was executed in 2019. The additional funds which are needed for these repairs exceed the contract amount by \$169,605.23.

To keep these pump stations functioning as designed and to avoid additional risk, staff recommend that the City Council approve the recommended actions as noted. There are sufficient funds available in the Sewer Enterprise Fund for this needed repair work.

CITY STRATEGIC PLAN COMPLIANCE:

Goal 2: Support Community Safety and Preparedness

Objective: El Segundo is a safe and prepared city.

Goal 4: Develop and Maintain Quality Infrastructure and Technology

Objective 4A: El Segundo's physical infrastructure supports an inviting and safe community.

PREPARED BY:

Lifan Xu, City Engineer

REVIEWED BY:

Elias Sassoon, Public Works Director

APPROVED BY:

Barbara Voss, Deputy City Manager

ATTACHED SUPPORTING DOCUMENTS:

None



City Council Agenda Statement

Meeting Date: November 1, 2022

Agenda Heading: Consent

Item Number: B.10

TITLE:

Amendment to Contract with Union Construction for City Hall Fire Alarm System

RECOMMENDATION:

1. Authorize the City Manager to execute a standard Public Works Construction Contract Amendment with Union Construction Company for \$133,464.20 for a fire alarm system in City Hall (Project No. PW 21-11), and authorize an additional \$10,000 as contingency funds for potential unforeseen conditions.
2. Alternatively, discuss and take other action related to this item.

FISCAL IMPACT:

Included in Adopted FY 2022/23 Budget

Amount Budgeted: \$937,989.20 (\$143,464.20 in FY 2022-23 & \$794,545 from FY 2021-22)

Additional Appropriation: No

Account Numbers: \$794,545 from 708-400-2403-8807 (Trust Fund for Permit Center Surcharge) and \$143,464.20 from 301-400-8201-8209 (City Wide Facilities Repairs)

BACKGROUND:

On November 16, 2021, City Council awarded a standard Public Works construction contract to Union Construction Company in the amount of \$662,525 for the Civic Center Maintenance and Repairs project, and authorized an additional \$132,000 as contingency for potential unforeseen conditions. The scope includes the following rehabilitation work within City Hall:

- Community Development/Public Works "One Stop Customer Permit Center" Rehabilitation
- Human Resources (HR) Department Office Relocation
- West Conference Room Rehabilitation

Amendment to Contract with Union Construction for City Hall Fire Alarm System

November 1, 2022

Page 2 of 3

During the construction, it was decided that the HR Department would remain in its current location, with some needed modifications. Construction for this project began in January 2022, and phase 1 of this project is substantially completed.

DISCUSSION:

The Fire Department inspected the existing fire alarm system during the construction of this project and determined that the Fire Code and life/safety concerns require replacement of the fire alarm system in order to facilitate building permit issuance for this project. Consequently, the existing contract must be amended to include the required fire alarm system installation, in connection with the project work. Section 17 of the Agreement authorizes amendments approved, in writing, by the City and contractor. There is sufficient funding in the Capital Improvement Citywide Facilities Repairs account to fund the fire alarm system replacement.

With the City Council's approval, the installation work is anticipated to begin in November 2022 and the work will be substantially completed by January 2023.

It is to be noted that phase 2 of this project will consist of some modifications and improvements for the following departments:

1. Human Resources
2. Community Development
3. Public Works
4. Finance
5. City Clerk's Office

These modifications are being designed at this time and once the final drawings are prepared, staff will come back to the City Council for the second amendment to the contract for the construction and installment of these improvements.

CITY STRATEGIC PLAN COMPLIANCE:

Goal 4: Develop and Maintain Quality Infrastructure and Technology

Objective 4A: El Segundo's physical infrastructure supports an appealing, safe and effective community.

PREPARED BY:

James Rice, Associate Engineer

REVIEWED BY:

Elias Sassoon, Public Works Director

Amendment to Contract with Union Construction for City Hall Fire Alarm System

November 1, 2022

Page 3 of 3

APPROVED BY:

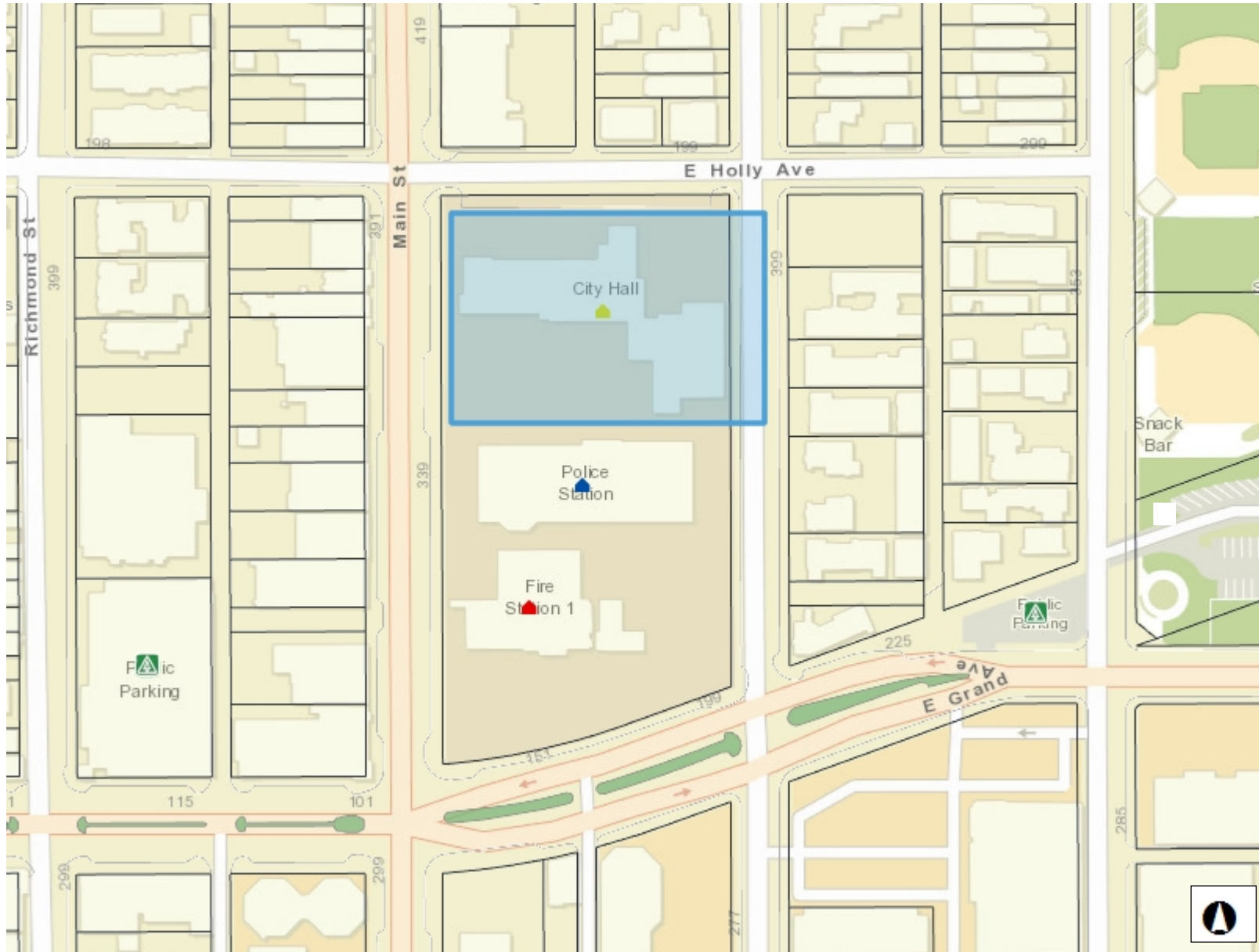
Barbara Voss, Deputy City Manager

ATTACHED SUPPORTING DOCUMENTS:

1. Location Map
2. Vicinity Map



PW 21-11 Location Map Civic Center Maintenance and Repairs Project



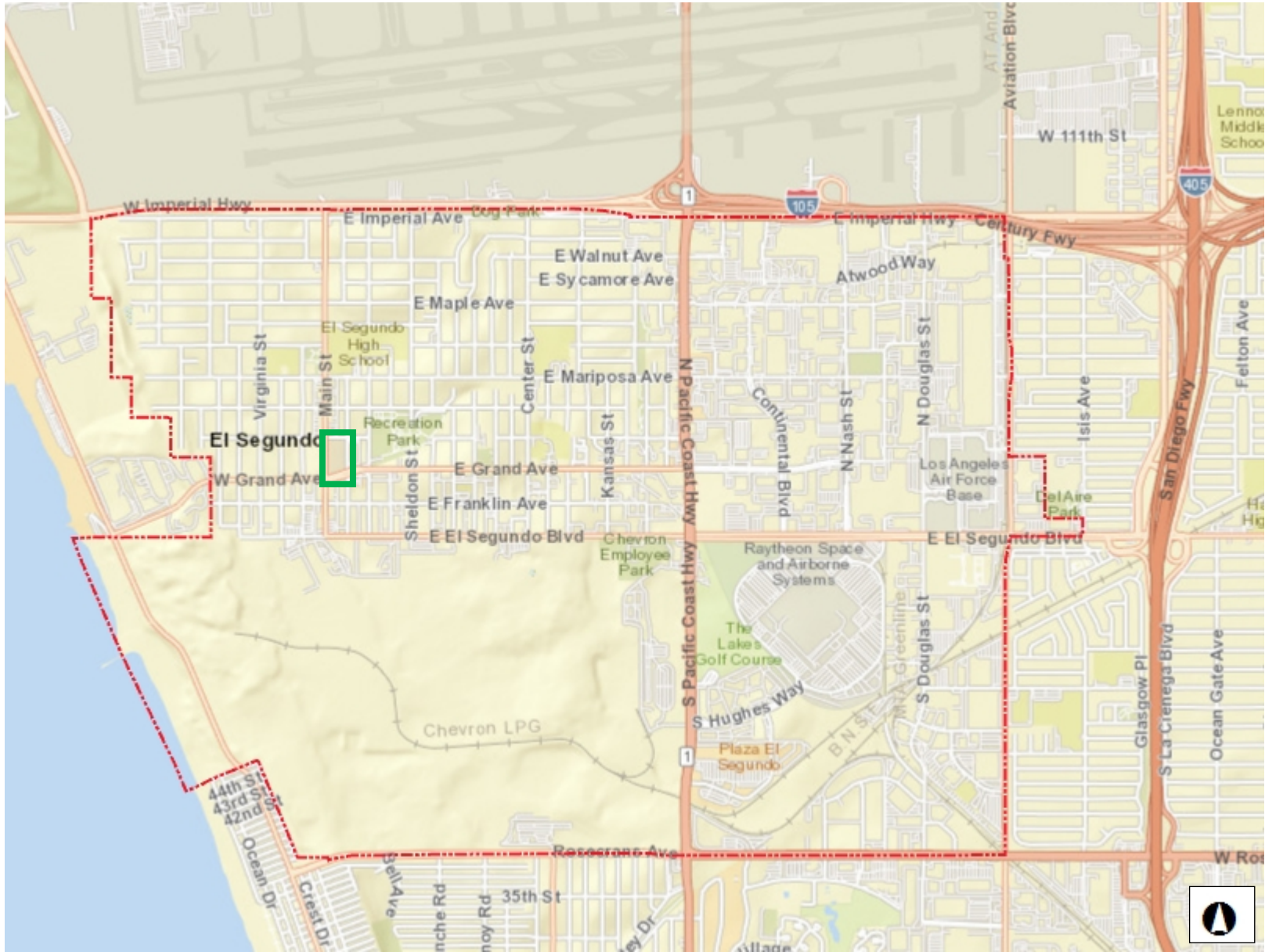
376.2 0 188.08 376.2 Feet

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PW 21-11 Vicinity Map Civic Center Maintenance and Repairs Project



6,018.7 0 3,009.33 6,018.7 Feet

WGS_1984_Web_Mercator_Auxiliary_Sphere

DISCLAIMER: The information shown on this map was compiled from different GIS sources. The land base and facility information on this map is for display purposes only and should not be relied upon without independent verification as to its accuracy. The City of El Segundo will not be held responsible for any claims, losses or damages resulting from the use of this map.



City Council Agenda Statement

Meeting Date: November 1, 2022

Agenda Heading: Consent

Item Number: B.11

TITLE:

Amendment to Agreement with Van Lingen Towing to Extend the Term for Towing and Storage Services and Waive Bidding Requirements

RECOMMENDATION:

1. Approve an amendment to the agreement with Van Lingen Towing to extend the term for two years (with an option to extend for an additional two years) to provide towing and storage services and waive bidding requirements pursuant to El Segundo Municipal Code § 1-7-9(A).
2. Authorize the City Manager to execute the amendment.
3. Alternatively, discuss and take other action related to this item.

FISCAL IMPACT:

Approximately \$17,500 in annual revenue.

BACKGROUND:

The City contracts with a towing company to provide towing and storage services for vehicles impounded by the El Segundo Police Department ("ESPD"). Some reasons for impounding a vehicle include criminal investigations, arrests, and vehicle code violations.

Since contracting with Van Lingen Towing in December 2016, Van Lingen Towing averages 730 calls for service each year. Of those calls for service, ESPD requests Van Lingen Towing to impound an average of 500 vehicles per year. Of those impounded, 48 calls involved medium to heavy duty impounds which required use of a rotator heavy duty tow truck. The City charges the towing vendor a 10% administrative surcharge of the gross receipts for all towing services and vehicle storage generated within the City. This amounts to approximately \$17,500 a year since contracting with Van Lingen Towing, which has provided services to the City since December 1, 2016. The current

Van Lingen Towing

November 1, 2022

Page 2 of 2

agreement with Van Lingen Towing is set to expire December 1, 2022.

DISCUSSION:

Over the past six years, Van Lingen Towing has met and exceeded ESPD's needs. In addition to exemplary customer service, rapid response times due to the opening of their new dispatch center which features multiple backup systems to avoid any downtime, and state of the art indoor secure evidence bays, Van Lingen Towing is the only tow company within an 11 mile radius that offers in-house oversized towing services and secure evidence storage bays. As of today's date, Van Lingen Towing remains the only towing company that offers both of these services.

This requirement is essential for ESPD based on our needs. Increasing our wait times by contracting with another tow company that must subcontract the oversized towing is unacceptable. This was most recently evident when a metro bus collided with a trailer and overturned, blocking all eastbound Imperial Highway from Douglas Street. Van Lingen Towing was quickly on scene with their oversized Rotator tow trucks to clear the roadway. Lastly, Van Lingen Towing will maintain the current impound rates the same as the current contract, despite the increased costs of almost all aspects of their business.

Staff recommends the City Council approve the amendment, find that the City's best interests are served by this amendment without a competitive selection process (pursuant to El Segundo Municipal Code § 1-7-9(A)), and authorize the City Manager to execute the amendment with Van Lingen Towing.

CITY STRATEGIC PLAN COMPLIANCE:

Goal 1: Support Community Safety and Preparedness

Objective A: El Segundo is a safe and prepared community

PREPARED BY:

Cory McEnroe, Police Sergeant

REVIEWED BY:

Jaime Bermudez, Police Chief

APPROVED BY:

Barbara Voss, Deputy City Manager

ATTACHED SUPPORTING DOCUMENTS:

None



City Council Agenda Statement

Meeting Date: November 1, 2022

Agenda Heading: Public Hearings

Item Number: C.12

TITLE:

Resolution Approving the Vacation of Hornet Way Street from Imperial Highway to 118th Street

RECOMMENDATION:

1. Conduct a public hearing.
2. Adopt the Resolution Vacating the Hornet Way Street from Imperial Highway to 118th Street.
3. Alternatively, discuss and take other action related to this item.

FISCAL IMPACT:

None

BACKGROUND:

One of the property owners of the adjacent lots surrounding Hornet Way Street ("Applicant") has made a request to vacate Hornet Way from Imperial Highway to 118th Street. Adjacent property owners have expressed their consent to this request. On September 22, 2022, the Community Development Department reviewed this vacation request and found it to be consistent with the City General Plan, outlined in the attached Resolution. All the required public notifications, including installation of proper signs, were provided per code requirements, and the City did not receive any opposition to this vacation request. The applicant is seeking the approval of this street vacation by the City Council.

Resolution Approving the Vacation of Hornet Way Street from Imperial Highway to 118th Street

November 1, 2022

Page 2 of 3

DISCUSSION:

California Streets and Highways Code § 8300, and subsequent sections, authorizes the City Council to vacate all or part of a street or public easement within the City.

Although Hornet Way is an open and publicly accessible street, there is little general public use for this roadway. Further, vacating this roadway will facilitate private access and parking for all adjacent property owners. Hornet Way dead-ends just south of 118th Street and the existing on-street parking spaces serve as parking for visitors and employees of adjacent properties. Additionally, the El Segundo Circulation Element does not identify Hornet Way as a roadway with any proposed improvement. Further, a focused traffic impact study was conducted to identify any adverse impact of vacating Hornet Way between 118th Street and Imperial Highway. The result of this study showed minimal impact if this roadway was vacated. It is to be noted that if and when this street is vacated, the applicant will be responsible for the maintenance cost of this roadway.

This vacation only applies to the surface of the street, and all public utilities will remain beneath the street surface. As part of the vacation process, the City will retain a blanket easement for maintenance of all public utilities within the vacated area. Subsequent to the vacation approval, the applicant plans to obtain a permit to improve the hardscape and landscape of the area in an attempt to create an aesthetically pleasing environment. Further, the area will be secured by installing fences and gates with emergency key boxes (Knox Box) per Police & Fire Departments requirement. The utilities will have access to the area for the maintenance of their facilities at all times.

The City Attorney's Office has prepared the attached proposed resolution ordering this vacation. Staff recommends the City Council to adopt this resolution. Subsequently, all necessary documents will be fully executed and recorded at the County.

CITY STRATEGIC PLAN COMPLIANCE:

Goal 1: Enhance Customer Service, Diversity, Equity, Inclusion and Communication

Objective 1A: El Segundo provides unparalleled service to all customers.

PREPARED BY:

James Rice, Associate Engineer

REVIEWED BY:

Elias Sassoon, Public Works Director

APPROVED BY:

Barbara Voss, Deputy City Manager

**Resolution Approving the Vacation of Hornet Way Street from Imperial Highway
to 118th Street**

November 1, 2022

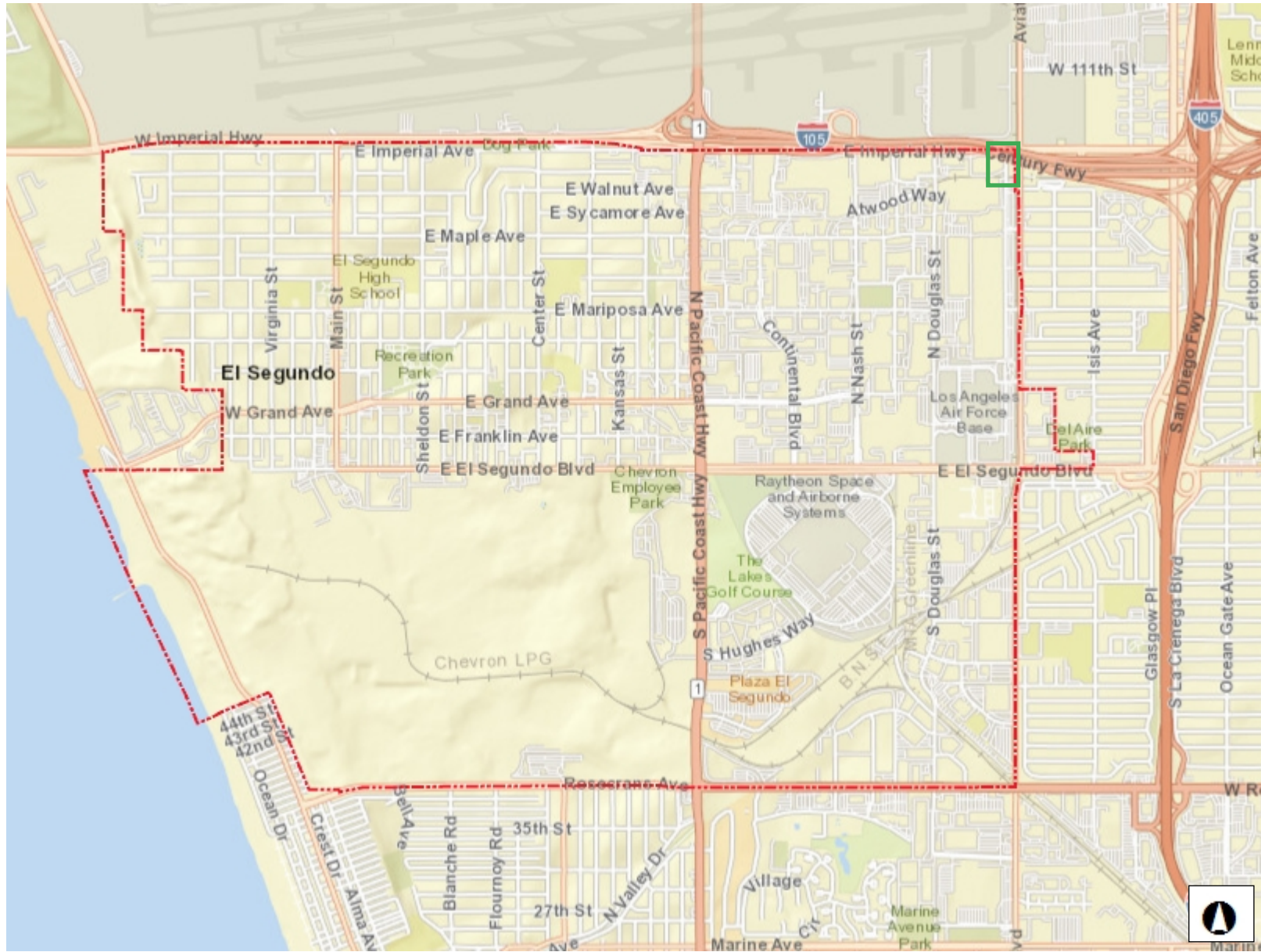
Page 3 of 3

ATTACHED SUPPORTING DOCUMENTS:

1. Vicinity Map
2. Location Map
3. Resolution for Hornet Way Street Vacation



Vicinity Map Hornet Way Street Vacation



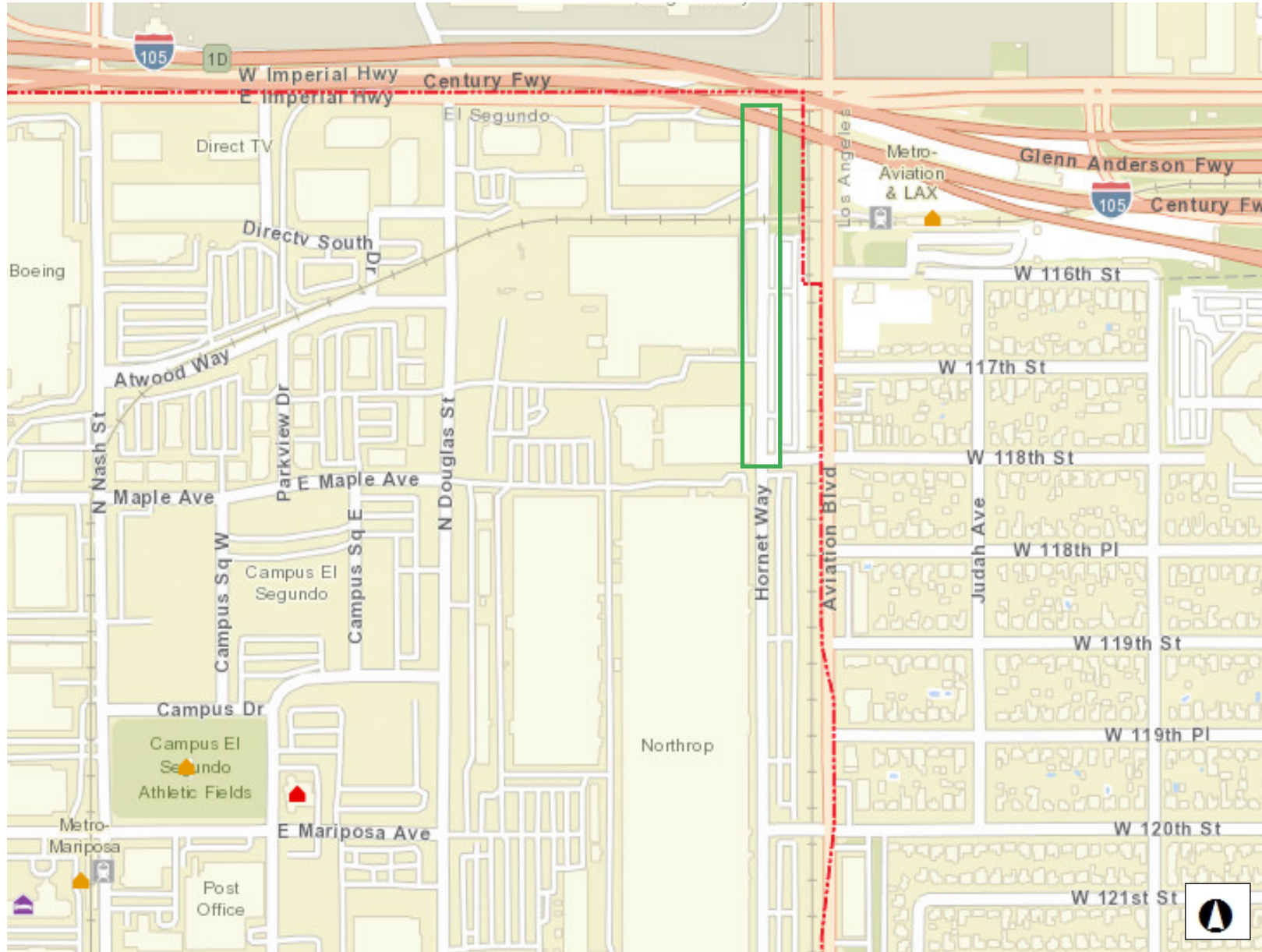
6,018.7 0 3,009.33 6,018.7 Feet

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Location Map Hornet Way Street Vacation



656.168 0 328.084 656.168 Feet

WGS_1984_Web_Mercator_Auxiliary_Sphere

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RESOLUTION NO. _____ -

**A RESOLUTION ORDERING THE VACATION OF HORNET WAY
PURSUANT TO STREETS AND HIGHWAY CODE SECTION
8300 ET SEQ. AND RESERVING CERTAIN UTILITY
EASEMENTS.**

The City Council of the city of El Segundo does resolve as follows:

SECTION 1. *Findings.* The City Council finds and declares as follows:

- A. Streets and Highways Code § 8300 et seq. authorize the City Council to vacate all or part of a street, highway, or public service easement within the City; and
- B. Streets and Highways Code § 8308 defines “street” to include, ““public highway, road, street, avenue, alley . . . or other public right-of-way”
- C. HC Hornet Way, LLC, via correspondence dated December 10, 2019, requested the vacation of Hornet Way, and such real property (the “Vacation Area”) is fully described in the legal description in Exhibit “A” and illustrated graphically in Exhibit “B,” which are attached and incorporated by reference.
- D. The Los Angeles County Metropolitan Transportation Authority (“Metro”) owns real property adjacent to the Vacation Area and has advised the City of its consent to the vacation of the Vacation Area through correspondence dated May 9, 2022.
- E. Metro owns and operates an urban mass transit system that includes, without limitation, elevated rail public transportation facilities that extend above a portion of the Vacation Area and the Aviation LAX Station that services the Metro C Line, (the “Metro System”).
- F. The City duly published and posted notice of a public hearing before the City Council, as required under Streets and Highway Code §§ 8320, 8322, and 8322.
- G. On November 1, 2022, the City Council conducted a public hearing, heard from any and all interested persons, and seeks to order the vacation of the Vacation Area, pursuant to Streets and Highway Code § 8324.

SECTION 2. *Vacation Findings.* The City Council further finds as follows:

- A. Pursuant to Streets and Highways Code § 8313 and Government Code § 65402, the vacation of the Vacation Area conforms with the General Plan as set forth in the memorandum attached as Exhibit “C,” and the memorandum’s conformity findings are incorporated herein by reference as if individually set forth.
- B. The Vacation Area is unnecessary for present or prospective public use.

SECTION 3. *Vacation Order; City Clerk Direction.*

- A. Pursuant to Streets and Highway Code § 8324, the City Council orders the vacation of the the Vacation Area subject to the easements identified in Section 4, below.
- B. Pursuant to Streets and Highway Code § 8325, City Clerk is directed to record a certified copy of this Resolution.

SECTION 4. *Easement Reservations.* Pursuant to Streets and Highway Code § 8340, the City Council’s vacation order is subject to the following:

- A. The easements and rights, in favor of Metro, as set forth in Exhibit “D” for the:
 - 1. Maintenance, operation, replacement, removal, and renewal of the Metro System; and
 - 2. Construction, maintenance, operation, replacement, removal, renewal, and enlargement of lines of pipe, conduits, cables, wires, poles, and other convenient structures, equipment, and fixtures for the operation of the Metro system and directly related incidental uses.
- B. The easements and rights, including reasonable access, in favor of the City or franchisee, or other lawful operator, as applicable, in, upon, over, and across the entire Vacation Area described in the legal description in Exhibit “A” and illustrated graphically in Exhibit “B,” for:
 - 1. The construction, maintenance, operation, replacement, removal, and renewal of sanitary sewers and storm drains and appurtenant structures;
 - 2. The construction, maintenance, operation, replacement, removal, renewal, and enlargement of lines, pipes, conduits, cables, wires, poles, and other convenient structures, equipment, and fixtures for the operation of gas pipelines, telegraphic and telephone lines, railroad lines, and for the transportation or distribution of electric energy, petroleum and its products, ammonia, and water; and

3. Incidental purposes associated with numbers 1 and 2, directly above, including access to protect these works from all hazards, in, upon, and over the Vacation Area.

C. The easements and rights, in favor of public utility providers, in, upon, over, and across the entire Vacation Area described in the legal description in Exhibit "A" and illustrated graphically in Exhibit "B," for the maintenance, operation, replacement, removal, or renewal of any in-place utility and associated appurtenances.

SECTION 5. Environmental Review. This Resolution itself and the actions anticipated herein were reviewed pursuant to the California Environmental Quality Act (Public Resources Code §§ 21000, et seq., "CEQA") and the regulations promulgated thereunder (14 Cal. Code of Regulations §§15000, et seq., the "CEQA Guidelines"). Based upon that review, this action is exempt from further review pursuant to CEQA Guidelines § 15061(b)(3) because it can be seen with certainty that it has no possibility for causing a significant effect on the environment. Further, this action is exempt from CEQA pursuant to CEQA Guidelines § 15305, Class 5 (Minor Alterations in Land Use Limitations), since the Vacation Area has an average slope of 20 percent or less and does not result in any changes in land use or density.

SECTION 6. Signature Authority. The Mayor, or presiding officer, is hereby authorized to affix his signature to this Resolution signifying its adoption by the City Council of the City of El Segundo, and the City Clerk, or her duly appointed deputy, is directed to attest thereto.

SECTION 7. Effective Date. This Resolution will take effect immediately upon adoption and will remain effective unless repealed or superseded.

SECTION 8. City Clerk Actions. The City Clerk will certify to the passage and adoption of this Resolution, enter it in the City's book of original Resolutions, and make a record of this action in the meeting's minutes.

PASSED AND ADOPTED this 1st day of November 2022.

Drew Boyles, Mayor

STATE OF CALIFORNIA)
COUNTY OF LOS ANGELES) SS
CITY OF EL SEGUNDO)

I, Tracy Weaver, City Clerk of the City of El Segundo, California, hereby certify that the whole number of members of the City Council of the City is five; that the

foregoing Resolution No. _____ was duly passed and adopted by said City Council, approved and signed by the Mayor of said City, and attested to by the City Clerk of said City, all at a regular meeting of said Council held on the 1st day of November, 2022, and the same was so passed and adopted by the following roll call vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

ATTEST:

Tracy Weaver, City Clerk

APPROVED AS TO FORM:
MARK HENSLEY, CITY ATTORNEY

Joaquin Vazquez, Deputy City Attorney

EXHIBIT "A"
VACATION AREA LEGAL DESCRIPTION

EXHIBIT A
LEGAL DESCRIPTION FOR STREET VACATION

THREE PARCELS OF LAND, IN THE CITY OF EL SEGUNDO, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, DESCRIBED AS FOLLOWS:

PARCEL 1

THAT PORTION OF A STRIP OF LAND, 90 FEET WIDE, GRANTED TO THE CITY OF EL SEGUNDO FOR PUBLIC HIGHWAY PURPOSES AS PARCEL 1 IN DEED OF EASEMENT RECORDED IN BOOK 16756, PAGES 115 AND 116 OF OFFICIAL RECORDS, RECORDS OF LOS ANGELES COUNTY, LYING EASTERLY OF THE EASTERLY LINE OF THAT PORTION OF THE PUBLIC STREET EASEMENT VACATED BY THE CITY OF EL SEGUNDO BY INSTRUMENT NO. 2015-0266758 OF OFFICIAL RECORDS, RECORDS OF LOS ANGELES COUNTY.

LAND AREA ±5,400 S.F./0.12 ACRES

PARCEL 2

TOGETHER WITH THAT PORTION OF A STRIP OF LAND, 60 FEET WIDE, GRANTED TO THE CITY OF EL SEGUNDO FOR PUBLIC STREET AND HIGHWAY PURPOSES IN DEED OF EASEMENT RECORDED IN BOOK 12672, PAGES 114 AND 115 OF OFFICIAL RECORDS, RECORDS OF LOS ANGELES COUNTY, LYING EASTERLY OF THE EASTERLY LINE OF THAT PORTION OF THE PUBLIC STREET EASEMENT VACATED BY THE CITY OF EL SEGUNDO BY INSTRUMENT NO. 2015- 0266758 OF OFFICIAL RECORDS, RECORDS OF LOS ANGELES COUNTY, EXCEPTING THEREFROM THE NORTHERLY 58.00 FEET.

LAND AREA: ±53,700 S.F./1.23 ACRES

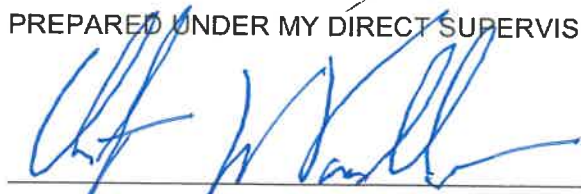
PARCEL 3

TOGETHER WITH THAT PORTION OF A STRIP OF LAND GRANTED TO THE CITY OF EL SEGUNDO FOR PUBLIC STREET AND HIGHWAY PURPOSES IN DEED OF EASEMENT RECORDED IN BOOK 18080, PAGES 278 AND 279 OF OFFICIAL RECORDS, RECORDS OF LOS ANGELES COUNTY, LYING EASTERLY OF THE EASTERLY LINE OF THAT PORTION OF THE PUBLIC STREET EASEMENT VACATED BY THE CITY OF EL SEGUNDO BY INSTRUMENT NO. 2015-0266757 OF OFFICIAL RECORDS, RECORDS OF LOS ANGELES COUNTY.

LAND AREA 22,140 S.F./0.51 ACRES

ALL AS SHOWN "EXHIBIT B" ATTACHED HERETO AND MADE A PART HEREOF

PREPARED UNDER MY DIRECT SUPERVISION:



CHRISTOPHER W. VASSALLO

P.L.S. 8418

10/18/22

DATE

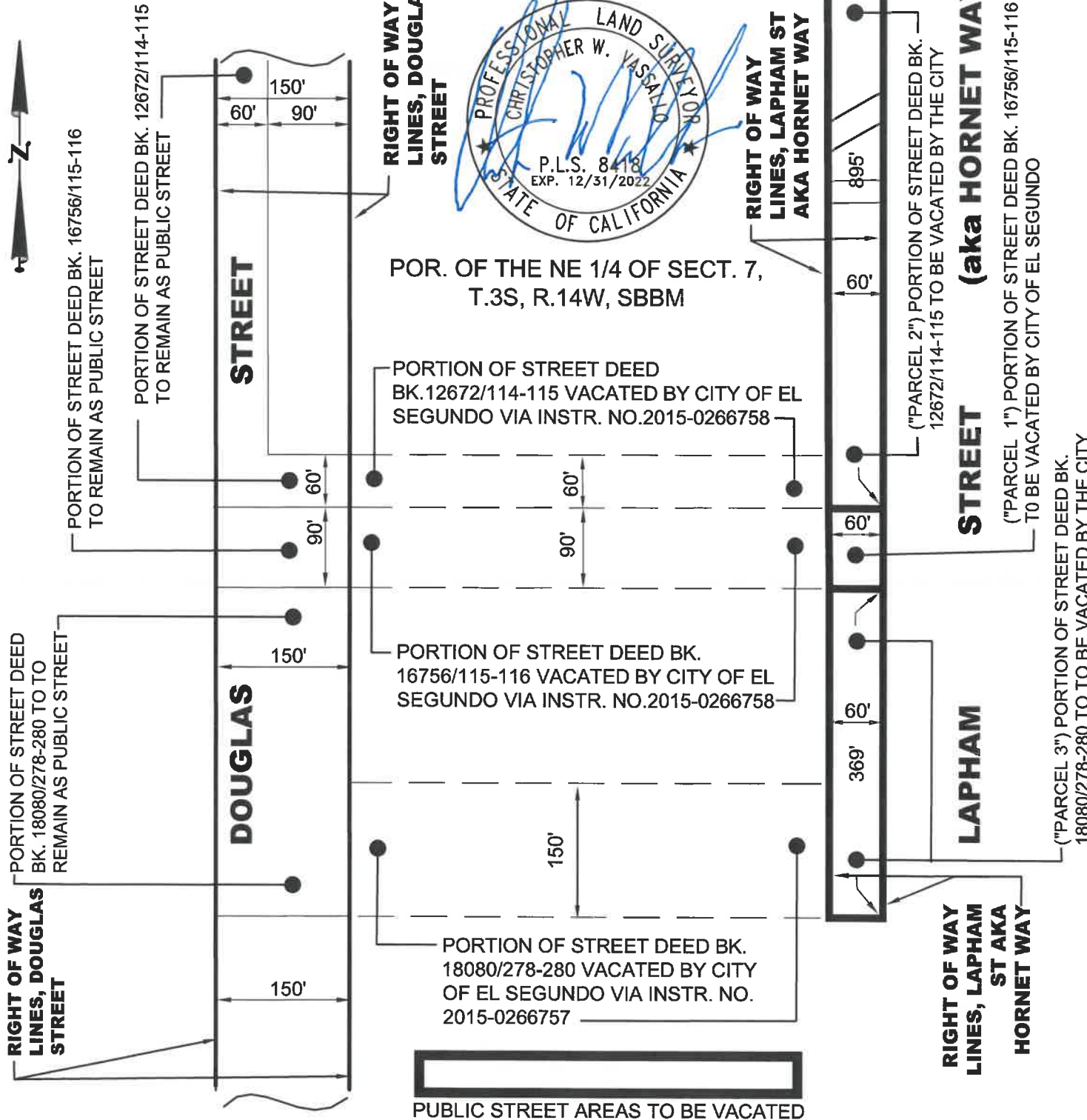


EXHIBIT "B"
VACATION AREA MAP

EXHIBIT B (SHEET 1 OF 2) IMPERIAL HIGHWAY

**SEE DETAIL ON ATTACHED
SHEET 2 OF 2 OF EXHIBIT B**

NOTE: EXHIBIT B IS A SCHEMATIC REPRESENTATION OF EXHIBIT A. FOR THAT REASON, EXHIBIT A PREVAILS OVER EXHIBIT B IN INTERPRETING THE TWO EXHIBITS



S:\PROJECTS\1853.000 - NG El Segundo\1559.18 St Vacation Revisions\SURVEY\EXHIB\SHEETS\St Vacation Exhibit Mod 8/9/22 9:40 AM

PLANS PREPARED BY:
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Torrance, California 90504
Tel: (310) 327-0018 / Fax: (310)327-0175
www.dcacivileng.com

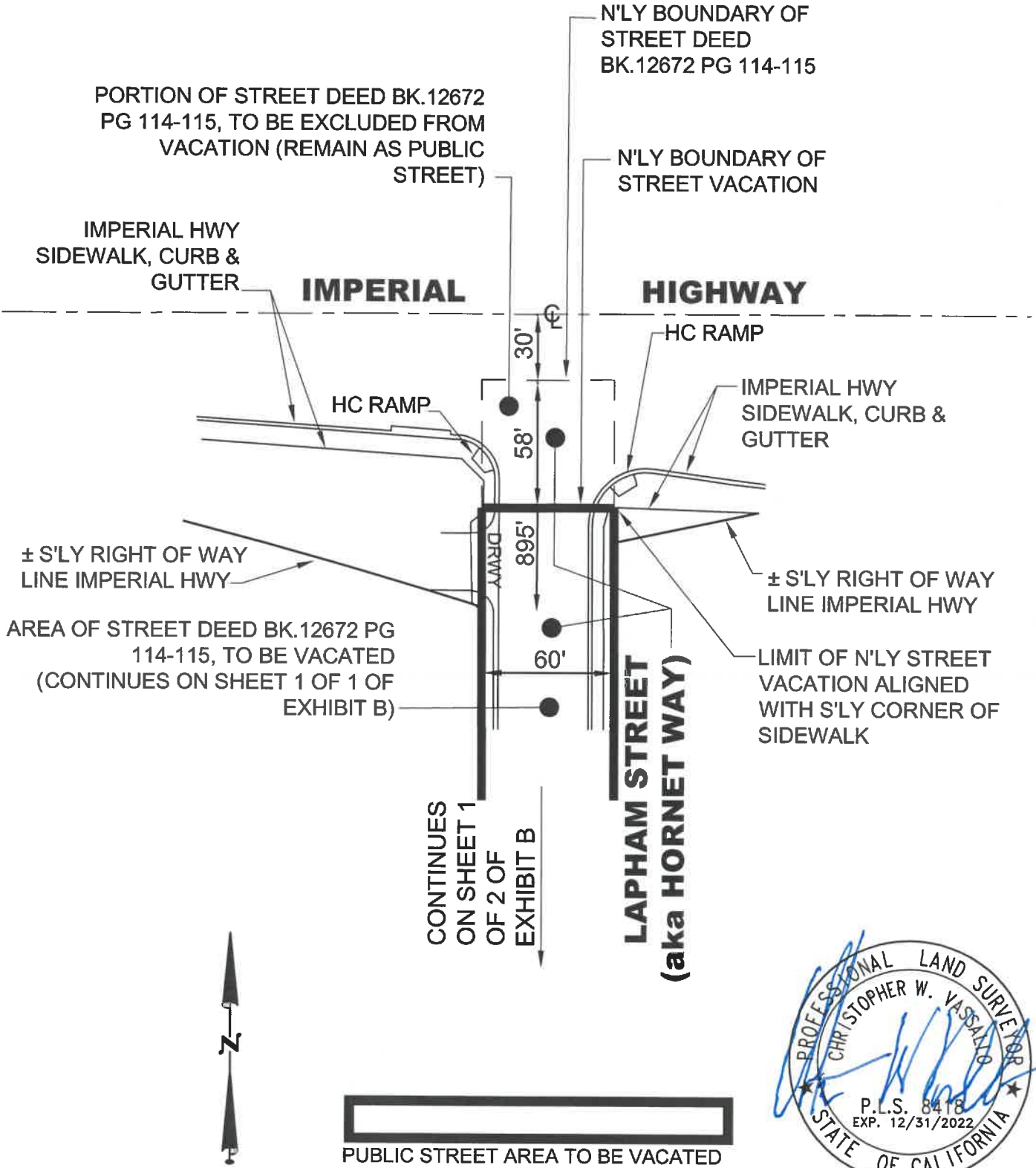


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EXHIBIT MAP TO ACCOMPANY "EXHIBIT A" LEGAL DESCRIPTION FOR STREET VACATION ATTACHED HERETO AND MADE A PART HEREOF

SCALE:	NTS	DATE:	08/09/22
BY:	KMR	JOB NO.:	22-2261-1853.000-1559.20

EXHIBIT B (SHEET 2 OF 2) (DETAIL FROM SHEET 1)



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PLANS PREPARED BY:
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EXHIBIT MAP TO ACCOMPANY "EXHIBIT A" LEGAL DESCRIPTION FOR STREET VACATION ATTACHED HERETO AND MADE A PART HEREOF

SCALE:

NTS

DATE: REV. 06/08/22 PER CITY COMMENTS
08/09/22

BY:

KMR

JOB NO.:

22-2261-1853.000-1559.20

EXHIBIT "C"
GENERAL PLAN CONFORMITY FINDINGS

Exhibit C



City of El Segundo

Planning Division

MEMORANDUM

TO: Elias Sassoon, Public Works Director
Lifan Xu, City Engineer

FROM: Michael Allen, AICP, Community Development Director

DATE: September 22, 2022

SUBJECT: General Plan Consistency Finding for Hornet Way Street Vacation

Prepared by: Eduardo Schonborn, AICP, Planning Manager

Introduction:

The City's Planning Division is in receipt of a request to vacate Hornet Way between Imperial Highway and 118th Street. The Planning Division's function is to determine whether the proposed street vacation is consistent with the goals and policies of the El Segundo General Plan.

Existing Conditions:

Hornet Way comprises an approximately 60-foot-wide roadway with two travel lanes (one northbound and one southbound) and angled parking stalls on each side of the street. The right-of-way dead-ends immediately south of 118th Street. Although Hornet Way is a public road, it exists primarily as an access way to the Applicant's parking lot on the east and its buildings on the west, with little use beyond access because no other businesses to the south take access from this right-of-way. As a result of the existing usage and the existing configuration that effectively dead-ends immediately to the east and west of the Applicant's property, the existing on-street parking spaces serve as *de facto* parking for visitors to the Applicant's buildings, and Hornet Way.

Analysis:

The California Government Code (Sections 65401 and 65103) requires that all public works projects be consistent with the City's General Plan. Further, State Streets and Highways Code ("SHC") Section 8324 authorizes the City Council to vacate a public right-of-way, by resolution, if it finds no current or prospective public use for the property at issue.

**Memorandum: General Plan Consistency Finding, Hornet Way Street Vacation
September 22, 2022**

As described above, although Hornet Way is an open and publicly accessible street, there is no general public use for Hornet Way as it comprises, in effect, private access and parking for the Applicant's properties. Exhibit C-2 of the City's General Plan Circulation Element illustrates the dead-end and limited-access nature of Hornet Way. The street is classified a Local Street in the General Plan Circulation Element, functioning to principally provide vehicular, pedestrian and bicycle access to property abutting the public right-of-way with movement of traffic acting only as a secondary function. However, the Circulation Element illustrates that vehicle use of Hornet Way was not sufficient to merit counts for planning or environmental impact purposes. Lastly, the Circulation Element does not identify Hornet Way as a Planned or Funded Roadway Improvement nor in the Bicycle Master Plan, which is furthered by it not being identified in the Capital Improvement Program.

Since the dead-end configuration has remained, and the historic limited use narrowed (due to the *de facto* function of the right-of-way as providing access primarily for the Applicant's buildings and properties), the street vacation is appropriate as it not contrary to the City's General Plan goals and policies. Specifically:

Goal C1 – Provision for a safe, convenient, and cost effective circulation system.

Utilities remain beneath the right-of-way; however, the requested vacation applies only to the surface use. City will retain easements for maintenance of all public infrastructure beneath the existing right-of-way, while shifting the burden and cost of surface maintenance to the Applicant.

Policy C1-1.15 – Pursue and protect adequate right-of-way to accommodate future circulation system improvements.

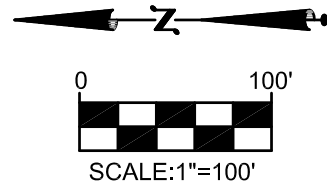
As a result of the existing configuration as a dead-end street, and the on-street parking spaces serve as *de facto* parking for visitors to the Applicant's buildings, Hornet Way no longer serves the purpose of its conveyance for public use to the City. Since Hornet Way is a dead-end street that functions to serve the Applicant's buildings and properties, it does not function as part of the circulation system and is therefore not listed as a Planned or Funded Roadway Improvement, not listed for improvements in the City's CIP, and is not identified as part of the Bicycle Master Plan.

Conclusion:

Therefore, in accordance with Government Code §§ 65401 and 65103, staff has reviewed the proposal to vacate the Hornet Way right-of-way, and finds the proposal is consistent with the goals and policies of the El Segundo General Plan for the reasons identified above.

EXHIBIT "D"
METRO EASEMENT AREAS MAP

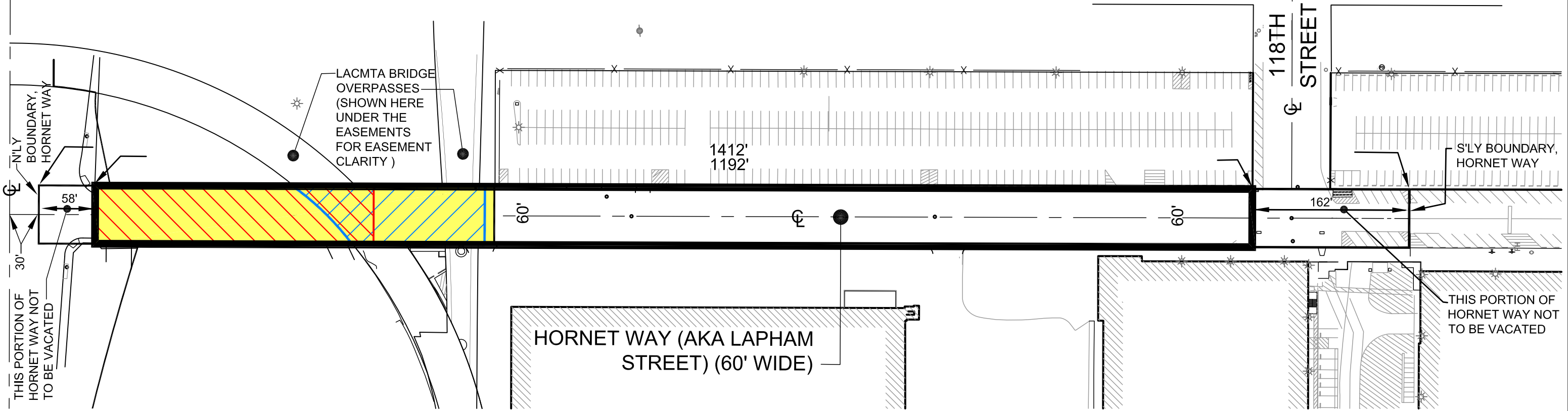
Exhibit D



AVIATION

BOULEVARD

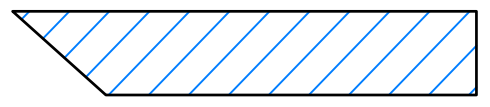
IMPERIAL HIGHWAY



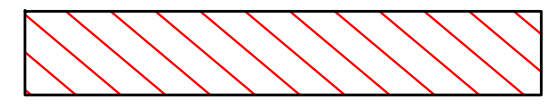
BOUNDARY OF PORTION OF HORNET WAY PROPOSED FOR STREET VACATION



BOUNDARY OF "ACCESS AND UTILITIES EASEMENT AREA" (PART OF "EASEMENT AGREEMENT")
 RECORDED: 4/08/22, INSTR. NO. 20220391788
 GRANTOR: HC HORNET WAY, LLC
 GRANTEE: LACMTA
 PURPOSE: ACCESS, INGRESS AND EGRESS AND UTILITIES



BOUNDARY OF "AERIAL EASEMENT AREA" AND "AERIAL GUIDEWAY EASEMENT AREA" (PART OF "EASEMENT AGREEMENT")
 RECORDED: 4/08/22, INSTR. NO. 20220391788
 GRANTOR: HC HORNET WAY, LLC
 GRANTEE: LACMTA
 PURPOSE: RAIL GUIDEWAYS



BOUNDARY OF "ACCESS EASEMENT AGREEMENT" RECORDED: 5/12/21, INSTR. NO. 20210759951
 GRANTOR: HC HORNET WAY, LLC
 GRANTEE: 2310 IMPERIAL, LLC
 PURPOSE: ACCESS AND INGRESS AND EGRESS

S:\PROJECTS\1853.000- NG El Segundo\1559.20 Revised St Vac-Add Exhibit Maps\SURVEY\EXHIB\SHEETS\Exhibit-MTA & LA Times Esmts.dwg/2022 5:35 PM

PREPARED BY: 17625 Crenshaw Blvd., Ste. 300 Torrance, California 90504 Tel: (310) 327-0018 / Fax: (310)327-0175 DCA CIVIL ENGINEERING GROUP www.dcacivileng.com © 2022 DCA CIVIL ENGINEERING GROUP ALL RIGHTS RESERVED <small>CIVIL ENGINEERING • LAND PLANNING • SURVEYING & MAPPING • A.L.T.A. SPECIALISTS</small>	EXHIBIT MAP SHOWING EXISTING EASEMENTS WITHIN THE PORTION OF HORNET WAY PROPOSED TO BE VACATED	
	SCALE: AS SHOWN BY: KMR	DATE: 08/09/2022 J.N. 22-2261-1853.000-1559.20



City Council Agenda Statement

Meeting Date: November 1, 2022

Agenda Heading: Staff Presentations

Item Number: D.13

TITLE:

Phase One Improvements of Recreation Park

RECOMMENDATION:

1. Provide direction on conceptual plan for Phase One improvements at Recreation Park.
2. Provide direction on priority for each project within Phase One.
3. Provide direction on project funding priorities.
4. Alternatively, discuss and take other action related to this item.

FISCAL IMPACT:

The estimated cost to implement all of the proposed Phase One improvements is \$5,000,000-\$8,000,000. The adopted FY 2022-2023 Capital Improvement Program includes a \$1,000,000 reserve for Recreation Park projects to be determined. In addition, there is \$750,000 in carryover appropriations for the Teen Center, Skate Park, and Basketball Court improvements. The City also has allocated approximately \$500,000 in Measure A funds that expire in 2024 to be utilized for park improvements. Final funding will be determined and presented to Council following development a master plan of improvements based on Council direction this evening.

BACKGROUND:

In 1954, the City of El Segundo constructed Recreation Park which included two baseball fields, a softball field, a two-story community clubhouse, tennis and basketball courts, concession stands, and picnic space.

Over the years, the City has continued to improve and add to Recreation Park, constructing additional buildings, including the Checkout Building (1961), Joslyn Center (1966), Teen Center (1980), and volleyball courts, pickleball courts, a paddle tennis

Staff Presentations

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court, a roller hockey rink, a community garden, and more.

In recent years, the Council has had several discussions about updating the park in order to continue serving the evolving needs of the residents of El Segundo. Due to age and deferred maintenance, significant investment is needed to upgrade or replace existing Recreation Park facilities.

On February 18, 2020, City Council authorized staff to issue a Request for Proposals (RFP) to conduct a Recreation Park Needs Assessment, including public engagement, recreation and parks trend analysis, comprehensive review of City recreation programming, facility condition assessments, accessibility survey and American Disabilities Act requirements, master plan recommendations and cost estimates. The City Council directed staff and the consultant to complete the outreach and analysis faster than the nine months outlined in the original proposal if possible. In response to this request, the project schedule was revised to seven months.

On October 20, 2021, RJM Design Group presented summary information about their analysis and professional recommendations to the Recreation and Parks Commission.

On November 16, 2021, RJM Design Group presented the Recreation Park Needs Assessment to City Council. While the City received and filed the item, the Council was clear that they felt the document lacked the clarity needed to project a clear path forward. Council directed staff to conduct meetings with the City Manager and individual Councilmembers to further discuss the Needs Assessment and proposed recommendations. The Council also directed staff to set up a joint meeting of the City Council and the Recreation and Parks Commission so that further discussion could take place.

In June and July of 2022, the newly hired Recreation, Parks and Library Director reviewed the Recreation Park Needs Assessment document, viewed the November 16, 2021 City Council meeting, consulted with the Interim Community Services Director, and engaged City staff in further discussion about the findings and recommendation of the Needs Assessment. It became apparent that there is some uncertainty in the findings of the Needs Assessment, particularly with regard to the notion of demolishing three current, specific use facilities to build one multi-use, multi-level Community Center. Staff who interact with the public users of the park regularly expressed concern to City staff that the survey sample may not have represented those who actually utilize the park. Collectively, Recreation and Parks staff felt strongly that the park users would like to see Recreation Park maintain its current layout with independent facilities that are geared toward serving specific age groups.

On August 31, 2022, a joint meeting of the City Council and Recreation and Parks Commission was held at the Joslyn Center to consider two options for moving ahead with park updates.

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At the joint meeting of the City Council and Recreation and Parks Commission, staff sought direction on next steps and shared two options for moving forward:

OPTION ONE

Option one recommended a phased approach wherein renovations, repairs and upgrades are made to facilities and amenities as funding becomes available. Option one maintains the current layout of Recreation Park with each facility continuing to live in its current location and serve its current population (i.e., Teens, Seniors). While there are some proposed changes to park amenities, the overall layout of the park will remain true to its traditional design.

OPTION TWO

Option two recommended the demolition of the three existing buildings to be replaced with a multi-level, multi-use facility that would be located in the footprint of the Gordon Clubhouse. The demolition of the buildings would create additional space that would likely need to be considered for future amenities or uses. Option Two would require a large amount of funding to be acquired at one time to complete the demo and the new build within a relatively similar time frame so as not to disrupt services to the community.

At the joint meeting, the Council and Commission agreed to utilize the Option One approach and directed staff to return with a conceptual plan for Phase One improvements including:

Project	Estimated Cost
Project 1A: Renovation of the Teen Plaza including: Teen Center, Basketball Court and Skate Park	\$1,000,000- \$2,000,000
Project 1C: Renovation of Sports Courts	\$750,000- \$1,000,000
Project 1D: Field Renovations and Updated Lighting	\$1,500,000- \$2,000,000
Project 1E: Replacement of Irrigation in Recreation Park	\$750,000- \$1,000,000
Project 1F: Demolition of Lawn Bowling Court, Addition of Sports Courts, Picnic Plaza, Teen Space	\$1,000,000

DISCUSSION:

PROJECT DESCRIPTIONS

Project 1A: Renovation and Updates to Teen Plaza

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The project includes renovation of the Teen Center, Basketball Court and Skate Park. Potential changes could include elimination of the basketball court to expand the size of the skate park and add an outdoor seating area/event space for teens

TEEN PLAZA	
Teen Center (One large multi-purpose room with a snack bar and stage, one small multi-purpose room, one staff office, two storage closets and two restrooms.	8,294 sq.ft.
Basketball Court	8,024 sq.ft.
Skatepark	11,001 sq.ft.
Estimated Costs for Improvements	\$1,000,000 to \$2,000,000

Project 1C: Renovation of Sports Courts

The project includes potential reallocation of space to include more pickleball courts, repairs and resurfacing of courts, repairs to court foundation, new fencing, new netting and other needed repairs. One pickleball court requires a space of 34' x 64' (2,176 sq.ft.). One tennis court requires a space of 60' x 120' (7,200 sq.ft.).

SPORTS COURTS	
Tennis Courts	77,696 sq.ft.
Volleyball Courts	7,809 sq.ft.
Paddle Tennis	2,984 sq.ft.
Racquetball Courts	2,747 sq.ft.
Estimated Costs for Improvements	\$750,000-\$1,000,000

Project 1D: Field Renovations and Updated lighting

The project includes renovation of infields and outfields, and replacement of fencing and lighting.

George Brett Field	73,302 sq.ft.
Stevenson Field	158,504 sq.ft.
Softball Field	71,961 sq.ft.
Estimated Costs for Improvements	\$1,500,000-\$2,000,000

Project 1E: Replacement of Irrigation in Recreation Park

The project includes replacement of the entire irrigation system throughout Recreation Park.

Replacement of Irrigation System	Entire park
Estimated Costs for Improvements	\$750,000-\$1,000,000

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Project 1F: Demolition of Lawn bowling court, Horseshoes, and Shuffleboard Courts

The project includes demolition of the Lawn Bowling Court, Horseshoes Pit and Shuffleboard Courts. Space to be repurposed with additional sports courts, picnic areas or teen space.

Lawnbowling	15,149 sq.ft.
Horseshoes/Shuffleboard	8,633 sq.ft.
Estimated Costs for Improvements	\$1,000,000

PHASE ONE IMPLEMENTATION PLAN

Based on City Council direction on the scope of Phase One Improvements for Recreation Park, staff will work in conjunction with a park design specialist to develop a master plan of improvements along with a precise cost estimate and environmental review to present an implementation plan to City Council at a future meeting.

CITY STRATEGIC PLAN COMPLIANCE:

Goal 1: Enhance Customer Service, Diversity, Equity, Inclusion and Communication

Objective 1A: El Segundo provides unparalleled service to all customers.

Objective 1 B: El Segundo's engagement with the community ensures excellence.

Goal 4: Develop and Maintain Quality Infrastructure and Technology

Objective 4A: El Segundo's physical infrastructure supports an inviting and safe community.

PREPARED BY:

Brandee Thornton, Sr. Admin Specialist

REVIEWED BY:

Aly Mancini, Recreation, Parks and Library Director

APPROVED BY:

Barbara Voss, Deputy City Manager

ATTACHED SUPPORTING DOCUMENTS:

None



City Council Agenda Statement

Meeting Date: November 1, 2022

Agenda Heading: Staff Presentations

Item Number: D.14

TITLE:

Fire Department Automatic and Mutual Aid Report

RECOMMENDATION:

1. Receive and file the Fire Department Automatic and Mutual Aid Report.
2. Alternatively, discuss and take other action related to this matter.

FISCAL IMPACT:

Through the local reciprocal mutual aid agreements, each agency is responsible for their own costs. When the El Segundo Fire Department ("ESFD") responds to a mutual aid request in the state as part of a strike team, the City is reimbursed by the agency having jurisdiction for overtime and apparatus costs, plus a ten percent administrative fee.

BACKGROUND:

The first California Fire Service and Rescue Emergency Mutual Aid Plan was prepared and adopted in 1950 as an annex of the California State Civil Defense and Disaster Relief Plan. The concept of mutual aid in California is based on a common understanding that each individual community cannot gear up for every possible emergency, and that mutual aid is the best way for communities is to make sure help is available when needed. The system creates a structural framework for offering and receiving assistance when a community's emergency response needs outstrip its own available resources.

All 58 counties and nearly all local governments within the state, including El Segundo, are signatories to the master mutual aid agreement. The master agreement covers the loan of equipment, facilities, and personnel in a variety of emergency situations, not only those resulting from fires. It provides for mutual aid "to prevent and combat the effects of disasters which may result from such calamities as flood, fire, earthquake, pestilence, war, sabotage, and riot," including assistance in the areas of "rescue, relief, evacuation,

Fire Department Automatic and Mutual Aid Agreements

November 1, 2022

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rehabilitation, and reconstruction.”

The agreement stipulates that each signatory will:

1. Develop a plan for effectively mobilizing its resources and facilities, both public and private, to cope with any type of disaster and to submit it to the State Disaster Council for approval;
2. Provide mutual aid assistance through the system without reimbursement unless otherwise provided for in existing agreements between parties, legislation, or regulations;
3. Furnish resources and facilities in emergencies – fire, police, medical and health, communications and transportation – to each other in accordance with duly adopted mutual aid plans as long as furnishing such aid does not unreasonably deplete its own resources, facilities, and services;
4. Conduct training and exercises in accordance with duly adopted mutual aid plans to ensure that it can provide effective assistance when called upon;
5. Furnish mutual aid “in all cases of local peril or emergency and in all cases in which a STATE OF EXTREME EMERGENCY has been proclaimed”; and,
6. Abide by mutual aid agreements the State of California enters into with other States or the Federal Government. To facilitate effective and efficient response, an inventory of all fire service personnel, apparatus, and equipment in the state is maintained and updated.

El Segundo has a mutual aid agreement under the State of California Office of Emergency Services Mutual Aid Plan. El Segundo is in Region 1, Los Angeles County – Area G. Fire Mutual Aid is coordinated among Area G cities, including: El Segundo, Gardena, Hawthorne, Hermosa Beach, Inglewood, Lawndale, Lomita, Manhattan Beach, Palos Verdes Estates, Rancho Palos Verdes, Redondo Beach, Rolling Hills, Rolling Hills Estates, and the City of Torrance

When the City of El Segundo needs mutual aid, the first protocol is to initiate automatic aid using an “alarm” (formerly “plan”) system. The “alarm” system is a three-tiered response system developed by the Area G Fire Chiefs’ Association (1st, 2nd, 3rd alarm). When this automatic aid system is exhausted, the El Segundo Fire Department incident commander will contact the Area G Fire Coordinator and request formal mutual aid. If the Area G Fire Coordinator can not meet the resource request, the Area G Fire Coordinator would contact the Operational Area Fire Coordinator for additional resources. If unsuccessful, the Operational Area Fire Coordinator would contact the following agencies: Los Angeles County Fire Department, Los Angeles City Fire Department, Manhattan Beach Fire Department, Redondo Beach Fire Department or Torrance Fire Department.

Fire Department Automatic and Mutual Aid Agreements

November 1, 2022

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The El Segundo Fire Department has automatic and/or mutual aid agreements in place with the following agencies:

- Los Angeles Fire Department
- County of Los Angeles Fire Department
- Area G (Comprised of the 14 cities in the South Bay Region)

Automatic Aid is resource assistance that is dispatched across jurisdictional boundaries without request (i.e., automatically) according to a contractual agreement between the agencies. This allows a response from the closest station. Example: Dockweiler Beach

Mutual Aid is an agreement among emergency responders to lend assistance across jurisdictional boundaries. This may occur due to an emergency response that exceeds local resources, such as a disaster or a multiple-alarm fire.

DISCUSSION:

A statewide mutual aid system, operating within the framework of the master mutual aid agreement, allows for the progressive mobilization of resources to and from emergency response agencies, local governments, operational areas, regions, and state with the intent of providing adequate resources to save lives and property. Mutual Aid is a critical component of providing effective emergency services in El Segundo to maintain response times within the guidelines of an effective response.

The total number of incidents where mutual aid is given or received by El Segundo averages approximately less than 3% of total calls per year. The attached report includes the number of mutual aid calls given and received by neighboring agencies over the last three years.

Mutual Aid Provided and Received by ESFD:

- In 2019, ESFD provided mutual aid for 36 incidents.
- In 2019, ESFD received mutual aid for 15 incidents.

- In 2020, ESFD provided mutual aid for 41 incidents.
- In 2020, ESFD received mutual aid for 29 incidents.

- In 2021, ESFD provided mutual aid for 22 incidents.
- In 2021, ESFD received mutual aid for 22 incidents.

These incidents included: building fires, brush fires, EMS calls (including vehicle accidents with injury), and biological hazards. These response numbers do not include when ESFD was dispatched and canceled en route within a couple of minutes.

Fire Department Automatic and Mutual Aid Agreements

November 1, 2022

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CITY STRATEGIC PLAN COMPLIANCE:

Goal 2: Support Community Safety and Preparedness

Objective: El Segundo is a safe and prepared city.

PREPARED BY:

Deena Lee, Fire Chief

REVIEWED BY:

Deena Lee, Fire Chief

APPROVED BY:

Barbara Voss, Deputy City Manager

ATTACHED SUPPORTING DOCUMENTS:

1. Mutual Aid Given and Received 2019, 2020 and 2021
2. Automatic Aid Agreement for Exchange of Fire Protection Services with City of Los Angeles Fire Department (2022)
3. Maps of Coverage Areas Where Automatic Aid is Exchanged between the City of El Segundo and the City of Los Angeles
4. Memorandum of Understanding for Exchange of Fire Protection Services with Los Angeles County Fire Department
5. Area G Response Procedures for a Large Scale Incident in El Segundo

Mutual Aid Given 2019



El Segundo Fire Department

El Segundo, CA

This report was generated on 10/27/2022 7:56:40 AM



Mutual or Automatic Aid Given by FDID for Incident Type for Date Range

Incident Type(s): All Incident Types | Start Date: 01/01/2019 | End Date: 12/31/2019

INCIDENT NUMBER	INCIDENT DATE	LOCATION	AID TYPE	INCIDENT TYPE
FDID: 00001				
2019-0000809	04/13/2019	3512 Pine	Automatic aid given	611 - Dispatched & cancelled en route
2019-0001169	06/01/2019	3770 N Highland	Automatic aid given	112 - Fires in structure other than in a building
2019-0001269	06/13/2019	8th the Strand	Automatic aid given	111 - Building fire
2019-0001805	08/23/2019	3770 N Highland AVE	Automatic aid given	735 - Alarm system sounded due to malfunction
Count of Calls for FDID 00001: 4				
FDID: 00LFD				
2019-0001041	05/16/2019	W IMPERIAL HWY	Automatic aid given	611 - Dispatched & cancelled en route
Count of Calls for FDID 00LFD: 1				
FDID: 00LNU				
2019-0002325	10/26/2019	2261 E MARIPOSA AVE	Mutual aid given	141 - Forest, woods or wildland fire
2019-0002328	10/27/2019	1350 Benett Valley RD	Mutual aid given	141 - Forest, woods or wildland fire
Count of Calls for FDID 00LNU: 2				
FDID: 19105 - Los Angeles City Fire Department (19105)				
2019-0000109	01/14/2019	HUGHES WY	Automatic aid given	611 - Dispatched & cancelled en route
2019-0000230	01/28/2019	W IMPERIAL HY	Automatic aid given	611 - Dispatched & cancelled en route
2019-0000702	04/01/2019	12700 VISTA DEL MAR	Automatic aid given	321 - EMS call, excluding vehicle accident with injury
2019-0000707	04/01/2019	GRAND AVE	Automatic aid given	321 - EMS call, excluding vehicle accident with injury
2019-0001262	06/12/2019	W IMPERIAL HWY	Automatic aid given	322 - Motor vehicle accident with injuries
2019-0001278	06/14/2019	12001 VISTA DEL MAR	Automatic aid given	311 - Medical assist, assist EMS crew
2019-0001282	06/14/2019	W IMPERIAL HWY	Automatic aid given	611 - Dispatched & cancelled en route
2019-0001345	06/24/2019	11101 VISTA DEL MAR	Automatic aid given	321 - EMS call, excluding vehicle accident with injury
2019-0001700	08/06/2019	12001 VISTA DEL MAR	Automatic aid given	321 - EMS call, excluding vehicle accident with injury
2019-0001806	08/23/2019	12792 VISTA DEL MAR	Automatic aid given	321 - EMS call, excluding vehicle accident with injury
2019-0002737	12/19/2019	7660 W IMPERIAL HWY	Automatic aid given	611 - Dispatched & cancelled en route
Count of Calls for FDID 19105 - Los Angeles City Fire Department (19105) : 11				

Report pulls data from Basic Info 5 (Mutual Aid Given Box) and if available, matches FDID to Neighboring Agency's FDID in Neighboring Agency list in the Administration Module. If missing, Report will only display FDID of Agency.



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Doc Id: 1616

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FDID: 19110 - Los Angeles County Fire Department (19110)				
2019-0000107	01/14/2019	13500 S Aviation BLVD	Automatic aid given	611 - Dispatched & cancelled en route
2019-0001290	06/15/2019	4868 W 136TH ST	Automatic aid given	611 - Dispatched & cancelled en route
2019-0002099	10/01/2019	5530 W. 140TH ST	Automatic aid given	611 - Dispatched & cancelled en route
2019-0002304	10/24/2019	2261 E Mariposa AVE	Mutual aid given	142 - Brush or brush-and-grass mixture fire
2019-0002309	10/24/2019	4810 W 136th ST	Automatic aid given	412 - Gas leak (natural gas or LPG)
Count of Calls for FDID 19110 - Los Angeles County Fire Department (19110) : 5				
FDID: 19123 - Manhattan Beach Fire Department (19123)				
2019-0000042	01/07/2019	1823 8th ST	Automatic aid given	111 - Building fire
2019-0000048	01/08/2019	1202 Rosecrans	Mutual aid given	611 - Dispatched & cancelled en route
2019-0000194	01/23/2019	3100 Sepulveda BLVD	Mutual aid given	440 - Electrical wiring/equipment problem, other
2019-0000315	02/07/2019	903 N Manhattan AVE	Mutual aid given	114 - Chimney or flue fire, confined to chimney or flue
2019-0000347	02/12/2019	409 16TH ST	Mutual aid given	622 - No incident found on arrival at dispatch address
2019-0000403	02/17/2019	530 N Valley DR	Mutual aid given	440 - Electrical wiring/equipment problem, other
2019-0000595	03/16/2019	1407 15th ST	Automatic aid given	622 - No incident found on arrival at dispatch address
2019-0000615	03/18/2019	1304 8th ST	Mutual aid given	611 - Dispatched & cancelled en route
2019-0000648	03/22/2019	10th ST	Mutual aid given	622 - No incident found on arrival at dispatch address
2019-0000886	04/25/2019	3200 N sepulveda BLVD	Mutual aid given	321 - EMS call, excluding vehicle accident with injury
2019-0000906	04/28/2019	1800 Rosecrans AVE	Mutual aid given	622 - No incident found on arrival at dispatch address
2019-0001039	05/15/2019	2041 E MARIPOSA AVE	Mutual aid given	321 - EMS call, excluding vehicle accident with injury
2019-0001102	05/24/2019	752 12th ST	Automatic aid given	111 - Building fire
2019-0001217	06/07/2019	Rosecrans AVE	Mutual aid given	463 - Vehicle accident, general cleanup
2019-0001375	06/26/2019	732 Rosecrans AVE	Automatic aid given	131 - Passenger vehicle fire
2019-0001428	07/03/2019	742 27th ST	Mutual aid given	611 - Dispatched & cancelled en route
2019-0001430	07/04/2019	512 Manhattan Beach BLVD	Mutual aid given	611 - Dispatched & cancelled en route
2019-0001456	07/08/2019	477 29th Street	Mutual aid given	611 - Dispatched & cancelled en route
2019-0001469	07/09/2019	3520 Pacific AVE	Automatic aid given	611 - Dispatched & cancelled en route
2019-0001524	07/16/2019	330 34th PL	Mutual aid given	611 - Dispatched & cancelled en route
2019-0001587	07/23/2019	1817 Laurel AVE	Automatic aid given	611 - Dispatched & cancelled en route
2019-0001739	08/11/2019	2700 N Sepulveda BLVD	Automatic aid given	611 - Dispatched & cancelled en route
2019-0001771	08/16/2019	116 manhattan beach BLVD	Mutual aid given	321 - EMS call, excluding vehicle accident with injury
2019-0001774	08/16/2019	1324 The Strand	Mutual aid given	700 - False alarm or false call, other
2019-1838	08/28/2019	408 John ST	Automatic aid given	611 - Dispatched & cancelled en route

Report pulls data from Basic Info 5 (Mutual Aid Given Box) and if available, matches FDID to Neighboring Agency's FDID in Neighboring Agency list in the Administration Module. If missing, Report will only display FDID of Agency.



2019-0001920	09/07/2019	1214 Pacific AVE	Automatic aid given	611 - Dispatched & cancelled en route
2019-0002048	09/23/2019	3801 N Highland ST	Automatic aid given	611 - Dispatched & cancelled en route
2019-0002127	10/04/2019	CENTER ST	Mutual aid given	131 - Passenger vehicle fire
2019-0002146	10/06/2019	1640 21st ST	Automatic aid given	622 - No incident found on arrival at dispatch address
2019-0002252	10/18/2019	North Manhattan AVE	Automatic aid given	611 - Dispatched & cancelled en route
2019-0002257	10/19/2019	1544 11th ST	Mutual aid given	321 - EMS call, excluding vehicle accident with injury
2019-002298	10/24/2019	Highland Ave & Marine Place	Mutual aid given	461 - Building or structure weakened or collapsed
2019-0002392	11/03/2019	3604 Vista Del Mar	Mutual aid given	611 - Dispatched & cancelled en route
2019-0002560	11/26/2019	1155 11th ST	Mutual aid given	113 - Cooking fire, confined to container
2019-0002734	12/18/2019	420 15th ST	Mutual aid given	321 - EMS call, excluding vehicle accident with injury
2019-0002735	12/18/2019	2416 Palm AVE	Mutual aid given	321 - EMS call, excluding vehicle accident with injury

Count of Calls for FDID 19123 - Manhattan Beach Fire Department (19123) : 36

FDID: 19155 - Redondo Beach Fire Department (19155)

2019-0000174	01/21/2019	714 Pacific Coast HWY	Mutual aid given	611 - Dispatched & cancelled en route
2019-0001103	05/24/2019	625 Avenue C AVE	Mutual aid given	440 - Electrical wiring/equipment problem, other
2019-0001137	05/29/2019	1555 Artesia BLVD	Mutual aid given	611 - Dispatched & cancelled en route
2019-0001457	07/09/2019	2429 190th ST	Mutual aid given	111 - Building fire
2019-0001818	08/25/2019	1109 Barbara ST	Mutual aid given	111 - Building fire
2019-0002803	12/27/2019	100 Torrance BLVD	Mutual aid given	611 - Dispatched & cancelled en route

Count of Calls for FDID 19155 - Redondo Beach Fire Department (19155) : 6

FDID: 33555 - Cal Fire-Riverside (33555)

2019-0002185	10/10/2019	540 Sandalwood DR	Mutual aid given	142 - Brush or brush-and-grass mixture fire
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Count of Calls for FDID 33555 - Cal Fire-Riverside (33555) : 1

FDID: 42035 - Santa Barbara County Fire Department (42035)

2019-0002555	11/25/2019	14209 Western AVE	Mutual aid given	141 - Forest, woods or wildland fire
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Count of Calls for FDID 42035 - Santa Barbara County Fire Department (42035) : 1

Report pulls data from Basic Info 5 (Mutual Aid Given Box) and if available, matches FDID to Neighboring Agency's FDID in Neighboring Agency list in the Administration Module. If missing, Report will only display FDID of Agency.



Mutual Aid Received 2019



El Segundo Fire Department

El Segundo, CA

This report was generated on 10/27/2022 7:55:29 AM



Mutual or Automatic Aid Received by FDID for Incident Type for Date Range

Incident Type(s): All Incident Types | Start Date: 01/01/2019 | End Date: 12/31/2019

INCIDENT	INCIDENT DATE	LOCATION	AID TYPE	INCIDENT TYPE
FDID: 19110 - Total Calls: 8				
2019-0002512	11/20/2019	624 W MAPLE AVE	Mutual aid received	111 - Building fire
2019-0002718	12/17/2019	301 VISTA DEL MAR	Automatic aid received	111 - Building fire
2019-0001426	07/03/2019	221 Richmond ST	Automatic aid received	140 - Natural vegetation fire, other
2019-0001705	08/06/2019	E MAPLE AVE	Automatic aid received	153 - Construction or demolition landfill fire
2019-0001487	07/12/2019	712 E Pine AVE	Mutual aid received	251 - Excessive heat, scorch burns with no ignition
2019-0002226	10/15/2019	420 KANSAS ST	Mutual aid received	321 - EMS call, excluding vehicle accident with injury
2019-0001066	05/19/2019	518 CENTER ST	Automatic aid received	445 - Arcing, shorted electrical equipment
2019-0000976	05/07/2019	425 SIERRA ST	Automatic aid received	735 - Alarm system sounded due to malfunction
FDID: 19123 - Total Calls: 7				
2019-0002512	11/20/2019	624 W MAPLE AVE	Mutual aid received	111 - Building fire
2019-0002718	12/17/2019	301 VISTA DEL MAR	Automatic aid received	111 - Building fire
2019-0001426	07/03/2019	221 Richmond ST	Automatic aid received	140 - Natural vegetation fire, other
2019-0001705	08/06/2019	E MAPLE AVE	Automatic aid received	153 - Construction or demolition landfill fire
2019-0001487	07/12/2019	712 E Pine AVE	Mutual aid received	251 - Excessive heat, scorch burns with no ignition
2019-0001066	05/19/2019	518 CENTER ST	Automatic aid received	445 - Arcing, shorted electrical equipment
2019-0000976	05/07/2019	425 SIERRA ST	Automatic aid received	735 - Alarm system sounded due to malfunction

Only Completed or Reviewed incidents included. Report pulls information from "Neighboring Agencies" in Administration module.

FDID: 19155 - Total Calls: 3				
2019-0002512	11/20/2019	624 W MAPLE AVE	Mutual aid received	111 - Building fire
2019-0001801	08/22/2019	E EL SEGUNDO BLVD	Mutual aid received	321 - EMS call, excluding vehicle accident with injury
2019-0002226	10/15/2019	420 KANSAS ST	Mutual aid received	321 - EMS call, excluding vehicle accident with injury
FDID: Unknown - Total Calls: 16				
2019-0002225	10/15/2019	909 N PACIFIC COAST HWY	Mutual aid received	111 - Building fire
2019-0000082	01/11/2019	N DOUGLAS ST	Automatic aid received	131 - Passenger vehicle fire
2019-0000172	01/21/2019	916 Sepulveda BLVD	Automatic aid received	154 - Dumpster or other outside trash receptacle fire
2019-0000607	03/17/2019	800 N Sepulveda BLVD	Mutual aid received	154 - Dumpster or other outside trash receptacle fire
2019-0000040	01/07/2019	729 WASHINGTON ST	Automatic aid received	162 - Outside equipment fire
2019-0000155	01/18/2019	348 Main ST	Mutual aid received	321 - EMS call, excluding vehicle accident with injury
2019-0000642	03/22/2019	2012 E El Segundo BLVD	Mutual aid received	321 - EMS call, excluding vehicle accident with injury
2019-0002340	10/28/2019	360 N PACIFIC COAST HWY	Mutual aid received	321 - EMS call, excluding vehicle accident with injury
2019-0002513	11/20/2019	222 N PACIFIC COAST HWY	Automatic aid received	353 - Removal of victim(s) from stalled elevator
2019-0000304	02/06/2019	2005 E PARK PL	Automatic aid received	441 - Heat from short circuit (wiring), defective/worn
2019-0000696	03/31/2019	606 HAWAII ST	Automatic aid received	442 - Overheated motor
2019-0000329	02/08/2019	443 36th ST	Automatic aid received	611 - Dispatched & cancelled en route
2019-0000247	01/31/2019	E Grand AVE	Automatic aid received	622 - No incident found on arrival at dispatch address
2019-0000481	02/28/2019	E Grand AVE	Mutual aid received	622 - No incident found on arrival at dispatch address
2019-0001419	07/02/2019	2041 E ROSECRANS AVE	Automatic aid received	651 - Smoke scare, odor of smoke
2019-0000608	03/17/2019	146 LOMA VISTA ST	Mutual aid received	911 - Citizen complaint

Only Completed or Reviewed incidents included. Report pulls information from "Neighboring Agencies" in Administration module.

Mutual Aid Given 2020



El Segundo Fire Department

El Segundo, CA

This report was generated on 10/27/2022 7:54:13 AM



Mutual or Automatic Aid Given by FDID for Incident Type for Date Range

Incident Type(s): All Incident Types | Start Date: 01/01/2020 | End Date: 12/31/2020

INCIDENT NUMBER	INCIDENT DATE	LOCATION	AID TYPE	INCIDENT TYPE
FDID: - Angeles National Forest-ANF				
2020-0001479	08/12/2020	32132 Castic Lake RD	Mutual aid given	141 - Forest, woods or wildland fire
2020-0001572	08/24/2020	32132 Castic Lake DR	Mutual aid given	381 - Rescue or EMS standby
Count of Calls for FDID - Angeles National Forest-ANF : 2				
FDID: 00LFD				
2020-0000335	02/10/2020	7660 W IMPERIAL HWY	Automatic aid given	321 - EMS call, excluding vehicle accident with injury
2020-0001227	07/03/2020	951 HYPERION WAY	Automatic aid given	321 - EMS call, excluding vehicle accident with injury
2020-0001310	07/16/2020	12001 VISTA DEL MAR	Automatic aid given	321 - EMS call, excluding vehicle accident with injury
Count of Calls for FDID 00LFD: 3				
FDID: 10125				
2020-0001788	09/24/2020	33326 Lodge RD	Mutual aid given	571 - Cover assignment, standby, moveup
Count of Calls for FDID 10125: 1				
FDID: 19105 - Los Angeles City Fire Department (19105)				
2020-0000048	01/07/2020	W IMPERIAL HWY	Automatic aid given	322 - Motor vehicle accident with injuries
2020-0001006	05/29/2020	12001 N VISTA DEL MAR AVE	Mutual aid given	321 - EMS call, excluding vehicle accident with injury
2020-0001354	07/20/2020	W IMPERIAL HWY	Automatic aid given	611 - Dispatched & cancelled en route
2020-0001435	08/03/2020	10923 348 Main Street	Automatic aid given	611 - Dispatched & cancelled en route
Count of Calls for FDID 19105 - Los Angeles City Fire Department (19105) : 4				
FDID: 19110 - Los Angeles County Fire Department (19110)				
2020-0001111	06/17/2020	4799 136th ST	Mutual aid given	111 - Building fire
2020-0001763	09/21/2020	4839 W 137TH ST	Automatic aid given	611 - Dispatched & cancelled en route
Count of Calls for FDID 19110 - Los Angeles County Fire Department (19110) : 2				
FDID: 19123 - Manhattan Beach Fire Department (19123)				
2020-0000112	01/14/2020	1237 6th ST	Mutual aid given	321 - EMS call, excluding vehicle accident with injury
2020-0000123	01/15/2020	125 Shell ST	Automatic aid given	611 - Dispatched & cancelled en route
2020-0000183	01/24/2020	30001 Aviation BLVD	Automatic aid given	652 - Steam, vapor, fog or dust thought to be smoke
2020-0000272	02/04/2020	3610 N Highland	Mutual aid given	321 - EMS call, excluding vehicle accident with injury
2020-0000274	02/04/2020	230 N Dianthus ST	Mutual aid given	911 - Citizen complaint

Report pulls data from Basic Info 5 (Mutual Aid Given Box) and if available, matches FDID to Neighboring Agency's FDID in Neighboring Agency list in the Administration Module. If missing, Report will only display FDID of Agency.



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2020-0000275	02/04/2020	110 41st ST	Mutual aid given	322 - Motor vehicle accident with injuries
2020-0000277	02/04/2020	1400 Manhattan Beach BLVD	Mutual aid given	321 - EMS call, excluding vehicle accident with injury
2020-0000278	02/04/2020	1200 N Sepulveda BI BLVD	Mutual aid given	611 - Dispatched & cancelled en route
2020-0000279	02/04/2020	3108 Maple AVE	Mutual aid given	611 - Dispatched & cancelled en route
2020-0000281	02/04/2020	617 Larsson ST	Mutual aid given	321 - EMS call, excluding vehicle accident with injury
2020-0000287	02/05/2020	1100 9th ST	Mutual aid given	321 - EMS call, excluding vehicle accident with injury
2020-0000289	02/05/2020	1401 Artesia BLVD	Mutual aid given	321 - EMS call, excluding vehicle accident with injury
2020-0000292	02/05/2020	1440 Rosecrans AVE	Mutual aid given	745 - Alarm system activation, no fire - unintentional
2020-0000478	02/27/2020	1500 Rosecrans AVE	Mutual aid given	321 - EMS call, excluding vehicle accident with injury
2020-0000616	03/21/2020	1837 5TH ST	Automatic aid given	571 - Cover assignment, standby, moveup
2020-0000666	03/30/2020	1800 Rosecrans AVE	Mutual aid given	112 - Fires in structure other than in a building
2020-0000827	04/25/2020	1716 Nelson AVE	Mutual aid given	611 - Dispatched & cancelled en route
2020-0000839	04/27/2020	409 16th ST	Automatic aid given	113 - Cooking fire, confined to container
2020-0000849	04/29/2020	744 36th ST	Automatic aid given	611 - Dispatched & cancelled en route
2020-0000894	05/09/2020	2617 N SEPULVEDA	Automatic aid given	322 - Motor vehicle accident with injuries
2020-0001059	06/07/2020	2209 Walnut AVE	Mutual aid given	118 - Trash or rubbish fire, contained
2020-0001066	06/08/2020	1140 Manhattan Beach BLVD	Automatic aid given	611 - Dispatched & cancelled en route
2020-1170	06/23/2020	1017 N Manhattan AVE	Mutual aid given	611 - Dispatched & cancelled en route
2020-0001321	07/17/2020	3201 Pacific Coast Highway	Mutual aid given	611 - Dispatched & cancelled en route
2020-0001434	08/03/2020	229 3RD ST	Automatic aid given	611 - Dispatched & cancelled en route
2020-0001559	08/22/2020	24 San Miguel CT	Automatic aid given	111 - Building fire
2020-0001577	08/25/2020	Artesia ST	Mutual aid given	322 - Motor vehicle accident with injuries
2020-0001614	08/31/2020	321 6th ST	Automatic aid given	611 - Dispatched & cancelled en route
2020-0001683	09/09/2020	1898 9th ST	Automatic aid given	611 - Dispatched & cancelled en route
2020-0001715	09/15/2020	700 S DOUGLAS ST	Mutual aid given	118 - Trash or rubbish fire, contained
2020-0001789	09/24/2020	1 Manhattan Beach BLVD	Mutual aid given	342 - Search for person in water
2020-0001894	10/08/2020	908 Highview AVE	Automatic aid given	611 - Dispatched & cancelled en route
2020-0002023	10/30/2020	752 12th ST	Automatic aid given	611 - Dispatched & cancelled en route
2020-0002057	11/04/2020	220 14th ST	Automatic aid given	611 - Dispatched & cancelled en route
2020-0002182	11/23/2020	201 Carriage PL	Mutual aid given	445 - Arcing, shorted electrical equipment
2020-0002183	11/23/2020	30th ST	Mutual aid given	611 - Dispatched & cancelled en route
2020-0002196	11/25/2020	700 S Sepulveda BLVD	Mutual aid given	611 - Dispatched & cancelled en route
2020-0002365	12/23/2020	3309 N Vista DR	Automatic aid given	611 - Dispatched & cancelled en route

Report pulls data from Basic Info 5 (Mutual Aid Given Box) and if available, matches FDID to Neighboring Agency's FDID in Neighboring Agency list in the Administration Module. If missing, Report will only display FDID of Agency.



2020-0002379	12/26/2020	125 Rosecrans PL	Mutual aid given	321 - EMS call, excluding vehicle accident with injury
2020-0002418	12/31/2020	2409 John ST	Automatic aid given	611 - Dispatched & cancelled en route
Count of Calls for FDID 19123 - Manhattan Beach Fire Department (19123) : 40				
FDID: 19123 - Manhattan Beach Fire Department (19123)				
19155 - Redondo Beach Fire Department (19155)				
19200 - Torrance Fire Department (19200)				
2020-0001671	09/08/2020	45077 Road 200	Mutual aid given	141 - Forest, woods or wildland fire
Count of Calls for FDID 19123 - Manhattan Beach Fire Department (19123) 19155 - Redondo Beach Fire Department (19155) 19200 - Torrance Fire Department (19200) : 1				
FDID: 19155 - Redondo Beach Fire Department (19155)				
2020-0000922	05/14/2020	1413 Hawthorne BLVD	Mutual aid given	611 - Dispatched & cancelled en route
2020-0001636	09/03/2020	2622 Nelson AVE	Mutual aid given	111 - Building fire
2020-0002116	11/11/2020	1917 Nelson AVE	Mutual aid given	111 - Building fire
Count of Calls for FDID 19155 - Redondo Beach Fire Department (19155) : 3				
FDID: 19180 - Santa Monica Fire Department (19180)				
2020-0001421	08/01/2020	100 Kimtu RD	Mutual aid given	381 - Rescue or EMS standby
Count of Calls for FDID 19180 - Santa Monica Fire Department (19180) : 1				
FDID: 19200 - Torrance Fire Department (19200)				
2020-0001552	08/21/2020	Marsh Creek RD	Mutual aid given	142 - Brush or brush-and-grass mixture fire
Count of Calls for FDID 19200 - Torrance Fire Department (19200) : 1				
FDID: 30065 - Orange County Fire Authority (30065)				
2020-0001992	10/26/2020	7600 E La Palma AVE	Mutual aid given	142 - Brush or brush-and-grass mixture fire
2020-0002243	12/03/2020	3535 182nd Street	Mutual aid given	142 - Brush or brush-and-grass mixture fire
2020-0002252	12/03/2020	Irvine BLVD	Mutual aid given	381 - Rescue or EMS standby
Count of Calls for FDID 30065 - Orange County Fire Authority (30065) : 3				
FDID: 47065				
2020-0001693	09/10/2020	1900 Hilltop DR	Mutual aid given	381 - Rescue or EMS standby
Count of Calls for FDID 47065: 1				
FDID: 54035				
2020-0002079	11/06/2020	2700 Teapot Dome AVE	Mutual aid given	381 - Rescue or EMS standby
Count of Calls for FDID 54035: 1				

Report pulls data from Basic Info 5 (Mutual Aid Given Box) and if available, matches FDID to Neighboring Agency's FDID in Neighboring Agency list in the Administration Module. If missing, Report will only display FDID of Agency.



Mutual Aid Received 2020



El Segundo Fire Department

El Segundo, CA

This report was generated on 10/27/2022 7:52:03 AM



Mutual or Automatic Aid Received by FDID for Incident Type for Date Range

Incident Type(s): All Incident Types | Start Date: 01/01/2020 | End Date: 12/31/2020

INCIDENT	INCIDENT DATE	LOCATION	AID TYPE	INCIDENT TYPE
FDID: 19110 - Total Calls: 6				
2020-0000684	04/01/2020	1430 E MARIPOSA AVE	Automatic aid received	111 - Building fire
2020-0000867	05/04/2020	637 W PINE AVE	Mutual aid received	111 - Building fire
2020-0002329	12/17/2020	639 W OAK AVE	Automatic aid received	111 - Building fire
2020-0002400	12/28/2020	1440 E IMPERIAL AVE	Automatic aid received	111 - Building fire
2020-0002002	10/27/2020	725 BAYONNE ST	Mutual aid received	143 - Grass fire
2020-0000251	02/03/2020	400 DULEY RD	Mutual aid received	700 - False alarm or false call, other
FDID: 19123 - Total Calls: 10				
2020-0000684	04/01/2020	1430 E MARIPOSA AVE	Automatic aid received	111 - Building fire
2020-0000867	05/04/2020	637 W PINE AVE	Mutual aid received	111 - Building fire
2020-0002329	12/17/2020	639 W OAK AVE	Automatic aid received	111 - Building fire
2020-0002400	12/28/2020	1440 E IMPERIAL AVE	Automatic aid received	111 - Building fire
2020-0002002	10/27/2020	725 BAYONNE ST	Mutual aid received	143 - Grass fire
2020-0000040	01/06/2020	664 W PALM AVE	Automatic aid received	150 - Outside rubbish fire, other
2020-0000313	02/07/2020	390 N PACIFIC COAST HWY	Mutual aid received	321 - EMS call, excluding vehicle accident with injury
2020-0000416	02/19/2020	615 E HOLLY AVE	Mutual aid received	321 - EMS call, excluding vehicle accident with injury
2020-0002401	12/28/2020	513 RICHMOND ST	Mutual aid received	552 - Police matter
2020-0000251	02/03/2020	400 DULEY RD	Mutual aid received	700 - False alarm or false call, other

Only Completed or Reviewed incidents included. Report pulls information from "Neighboring Agencies" in Administration module.

FDID: 19155 - Total Calls: 3				
2020-0000684	04/01/2020	1430 E MARIPOSA AVE	Automatic aid received	111 - Building fire
2020-0002329	12/17/2020	639 W OAK AVE	Automatic aid received	111 - Building fire
2020-0000251	02/03/2020	400 DULEY RD	Mutual aid received	700 - False alarm or false call, other
FDID: 19200 - Total Calls: 1				
2020-0002329	12/17/2020	639 W OAK AVE	Automatic aid received	111 - Building fire
FDID: Unknown - Total Calls: 9				
2020-0000867	05/04/2020	637 W PINE AVE	Mutual aid received	111 - Building fire
2020-0002329	12/17/2020	639 W OAK AVE	Automatic aid received	111 - Building fire
2020-0002329	12/17/2020	639 W OAK AVE	Automatic aid received	111 - Building fire
2020-0002329	12/17/2020	639 W OAK AVE	Automatic aid received	111 - Building fire
2020-0002400	12/28/2020	1440 E IMPERIAL AVE	Automatic aid received	111 - Building fire
2020-0000742	04/10/2020	720 W IMPERIAL AVE	Automatic aid received	113 - Cooking fire, confined to container
2020-0000516	03/03/2020	339 SHELDON ST	Mutual aid received	321 - EMS call, excluding vehicle accident with injury
2020-0000917	05/13/2020	E MAPLE AVE	Mutual aid received	322 - Motor vehicle accident with injuries
2020-0002330	12/17/2020	704 VIRGINIA ST	Mutual aid received	554 - Assist invalid

Only Completed or Reviewed incidents included. Report pulls information from "Neighboring Agencies" in Administration module.

Mutual Aid Given 2021



El Segundo Fire Department

El Segundo, CA

This report was generated on 10/25/2022 3:21:16 PM



Mutual or Automatic Aid Given by FDID for Incident Type for Date Range

Incident Type(s): All Incident Types | Start Date: 01/01/2021 | End Date: 12/31/2021

INCIDENT NUMBER	INCIDENT DATE	LOCATION	AID TYPE	INCIDENT TYPE
FDID: 00LFD				
2021-0000681	04/18/2021	12001 VISTA DEL MAR	Automatic aid given	611 - Dispatched & cancelled en route
Count of Calls for FDID 00LFD: 1				
FDID: 04035				
2021-0001375	07/19/2021	2357 Fair ST	Mutual aid given	141 - Forest, woods or wildland fire
Count of Calls for FDID 04035: 1				
FDID: 19110 - Los Angeles County Fire Department (19110)				
2021-0001971	10/04/2021	405 E El Segundo BLVD	Automatic aid given	611 - Dispatched & cancelled en route
2021-0002693	12/31/2021	5424 W 121ST ST	Automatic aid given	611 - Dispatched & cancelled en route
Count of Calls for FDID 19110 - Los Angeles County Fire Department (19110) : 2				
FDID: 19120				
2021-1351	07/16/2021	636 33rd ST	Mutual aid given	611 - Dispatched & cancelled en route
Count of Calls for FDID 19120: 1				

Report pulls data from Basic Info 5 (Mutual Aid Given Box) and if available, matches FDID to Neighboring Agency's FDID in Neighboring Agency list in the Administration Module. If missing, Report will only display FDID of Agency.



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FDID: 19123 - Manhattan Beach Fire Department (19123)				
2021-0000105	01/19/2021	1616 2nd ST	Automatic aid given	611 - Dispatched & cancelled en route
2021-0000292	02/18/2021	2204 Chestnut AVE	Mutual aid given	111 - Building fire
2021-0000409	03/10/2021	110 S Rowell AVE	Automatic aid given	440 - Electrical wiring/equipment problem, other
2021-0000475	03/19/2021	2900 N Sepulveda BLVD	Mutual aid given	700 - False alarm or false call, other
2021-0000488	03/22/2021	220 31st	Mutual aid given	251 - Excessive heat, scorch burns with no ignition
2021-508	03/24/2021	8 Cambridge ST	Mutual aid given	114 - Chimney or flue fire, confined to chimney or flue
2021-0000575	04/03/2021	1750 Gates AVE	Mutual aid given	111 - Building fire
2021-0000855	05/08/2021	Rosecrans AVE	Mutual aid given	321 - EMS call, excluding vehicle accident with injury
2021-000920	05/18/2021	926 Duncan PL	Automatic aid given	611 - Dispatched & cancelled en route
2021-0001111	06/14/2021	235 N Sepulveda BLVD	Automatic aid given	111 - Building fire
2021-0001136	06/16/2021	617 N Valley DR	Automatic aid given	611 - Dispatched & cancelled en route
2021-0001361	07/17/2021	1707 10th ST	Mutual aid given	111 - Building fire
2021-0001422	07/24/2021	1807 9th ST	Automatic aid given	113 - Cooking fire, confined to container
2021-1627	08/20/2021	601 9 ST	Mutual aid given	653 - Smoke from barbecue, tar kettle
2021-0001681	08/26/2021	1421 Manhattan Beach BLVD	Automatic aid given	611 - Dispatched & cancelled en route
2021-0001869	09/20/2021	1570 Rosecrans AVE	Mutual aid given	311 - Medical assist, assist EMS crew
2021-0001990	10/06/2021	3621 Bell AVE	Automatic aid given	622 - No incident found on arrival at dispatch address
2021-0002146	10/28/2021	420 31st ST	Mutual aid given	743 - Smoke detector activation, no fire - unintentional
2021-0002192	11/02/2021	1010 Esplanade	Mutual aid given	611 - Dispatched & cancelled en route
2021-0002380	11/23/2021	1100 Marine AVE	Mutual aid given	322 - Motor vehicle accident with injuries

Count of Calls for FDID 19123 - Manhattan Beach Fire Department (19123) : 20

FDID: 19155 - Redondo Beach Fire Department (19155)

2021-0000341	02/27/2021	1310 S Catalina AVE	Mutual aid given	111 - Building fire
2021-0001240	06/30/2021	1918 Voorhees AVE	Mutual aid given	611 - Dispatched & cancelled en route
2021-0001357	07/17/2021	207 Torrance BLVD	Automatic aid given	111 - Building fire
2021-0001444	07/27/2021	1882 Pacific Coast HWY	Automatic aid given	111 - Building fire
2021-0002239	11/08/2021	1303 Beryl ST	Mutual aid given	111 - Building fire

Count of Calls for FDID 19155 - Redondo Beach Fire Department (19155) : 5

FDID: 19200 - Torrance Fire Department (19200)

2021-0001325	07/12/2021	570 Madrid AVE	Mutual aid given	551 - Assist police or other governmental agency
2021-0001676	08/25/2021	100 Torrance BLVD	Mutual aid given	321 - EMS call, excluding vehicle accident with injury

Count of Calls for FDID 19200 - Torrance Fire Department (19200) : 2

Report pulls data from Basic Info 5 (Mutual Aid Given Box) and if available, matches FDID to Neighboring Agency's FDID in Neighboring Agency list in the Administration Module. If missing, Report will only display FDID of Agency.



FDID: 31555				
2021-0001610	08/17/2021	100 Placerville DR	Mutual aid given	141 - Forest, woods or wildland fire
Count of Calls for FDID 31555: 1				

Report pulls data from Basic Info 5 (Mutual Aid Given Box) and if available, matches FDID to Neighboring Agency's FDID in Neighboring Agency list in the Administration Module. If missing, Report will only display FDID of Agency.



Mutual Aid Received 2021



El Segundo Fire Department

El Segundo, CA

This report was generated on 10/25/2022 3:32:39 PM



Mutual or Automatic Aid Received by FDID for Incident Type for Date Range

Incident Type(s): All Incident Types | Start Date: 01/01/2021 | End Date: 12/31/2021

INCIDENT	INCIDENT DATE	LOCATION	AID TYPE	INCIDENT TYPE
FDID: 19110 - Total Calls: 4				
2021-0000190	01/31/2021	2191 E ROSECRANS AVE	Mutual aid received	111 - Building fire
2021-0002495	12/08/2021	630 N PACIFIC COAST HWY	Mutual aid received	111 - Building fire
2021-0002470	12/05/2021	770 W IMPERIAL AVE	Automatic aid received	653 - Smoke from barbecue, tar kettle
2021-0001455	07/28/2021	324 W EL SEGUNDO BLVD	Mutual aid received	672 - Biological hazard investigation, none found
FDID: 19123 - Total Calls: 7				
2021-0000190	01/31/2021	2191 E ROSECRANS AVE	Mutual aid received	111 - Building fire
2021-0000725	04/24/2021	750 CALIFORNIA ST	Automatic aid received	111 - Building fire
2021-0002495	12/08/2021	630 N PACIFIC COAST HWY	Mutual aid received	111 - Building fire
2021-0002224	11/06/2021	CENTER ST	Automatic aid received	142 - Brush or brush-and-grass mixture fire
2021-0000564	04/02/2021	501 W MARIPOSA AVE	Mutual aid received	321 - EMS call, excluding vehicle accident with injury
2021-0001784	09/11/2021	311 VIRGINIA ST	Mutual aid received	321 - EMS call, excluding vehicle accident with injury
2021-0002470	12/05/2021	770 W IMPERIAL AVE	Automatic aid received	653 - Smoke from barbecue, tar kettle
FDID: 19155 - Total Calls: 2				
2021-0002495	12/08/2021	630 N PACIFIC COAST HWY	Mutual aid received	111 - Building fire
2021-0002470	12/05/2021	770 W IMPERIAL AVE	Automatic aid received	653 - Smoke from barbecue, tar kettle
FDID: 19200 - Total Calls: 1				
2021-0000190	01/31/2021	2191 E ROSECRANS AVE	Mutual aid received	111 - Building fire
FDID: Unknown - Total Calls: 8				
2021-0001500	08/04/2021	113 SHELDON ST	Automatic aid received	111 - Building fire

Only Completed or Reviewed incidents included. Report pulls information from "Neighboring Agencies" in Administration module.

2021-0002554	12/14/2021	236 CALIFORNIA ST	Mutual aid received	111 - Building fire
2021-0000210	02/04/2021	324 W EL SEGUNDO BLVD	Automatic aid received	160 - Special outside fire, other
2021-0002118	10/24/2021	EUCALYPTUS DR	Automatic aid received	321 - EMS call, excluding vehicle accident with injury
2021-0000753	04/27/2021	319 RICHMOND ST	Mutual aid received	322 - Motor vehicle accident with injuries
2021-0002470	12/05/2021	770 W IMPERIAL AVE	Automatic aid received	653 - Smoke from barbecue, tar kettle
2021-0001455	07/28/2021	324 W EL SEGUNDO BLVD	Mutual aid received	672 - Biological hazard investigation, none found
2021-0001455	07/28/2021	324 W EL SEGUNDO BLVD	Mutual aid received	672 - Biological hazard investigation, none found

Only Completed or Reviewed incidents included. Report pulls information from "Neighboring Agencies" in Administration module.

**AUTOMATIC AID AGREEMENT
LOS ANGELES FIRE DEPARTMENT &
EL SEGUNDO FIRE DEPARTMENT**



JULY 1, 2022

**AUTOMATIC AID AGREEMENT FOR EXCHANGE OF FIRE PROTECTION,
SPECIALIZED, RESCUE AND EMERGENCY MEDICAL SERVICES BETWEEN THE
CITY OF LOS ANGELES AND THE CITY OF EL SEGUNDO**

WITNESSETH

WHEREAS, the parties to this Agreement provide fire protection, medical services, specialized and rescue services within their respective jurisdictional limits; and

WHEREAS, fire and rescue resources for the City of El Segundo are dispatched through a central dispatch center known as South Bay Regional Communications Center (RCC); and

WHEREAS, fire and rescue resources for the City of Los Angeles are dispatched through a central dispatch center known as Metropolitan Fire Communications (MFC); and

WHEREAS, it is in the best interest of El Segundo and Los Angeles to provide the most expeditious response to suppress fires and render other emergency assistance; and

WHEREAS, each party is desirous of providing to the other a reasonable and reciprocal exchange of emergency services on a day-to-day basis;

NOW, THEREFORE, in consideration of these mutual covenants, the parties hereto agree as follows:

1. Revisions

This Letter of Agreement may be revised or amended at any time by mutual agreement of the Fire Chiefs of the El Segundo Fire Department (ELS) and the Los Angeles Fire Department (LFD). All amendments to this Agreement shall be in writing and signed by the Fire Chiefs or their duly designated Acting Fire Chiefs.

It is agreed that substantial reductions or modifications of services by any of the agencies shall be cause for reconsideration of the Agreement.

2. Term

This Agreement shall commence, once executed by all parties hereto, on **July 1, 2022** and shall remain operative and effective through **June 30, 2025**. Parties shall meet on or about **October 1, 2024** to begin review and revision meetings. Any of the parties may terminate the Agreement at any time by giving written notice to the other party at least thirty (30) days prior to the date of withdrawal.

3. Mutual Benefits

ELS and LFD intend that this Agreement will provide mutual benefits to each party. The Fire Chiefs of ELS and LFD are hereby authorized to identify and revise as they deem necessary any designated areas or types of response periodically as may be dictated by changing conditions and the requirements of mutual benefits to each party.

4. Incident Command

In those instances where the assisting Department arrives before the jurisdictional Department, the assisting Department will take the necessary action dictated by the situation. However, it is assumed that the jurisdictional Department will arrive shortly after the arrival of the assisting Department. Overall command of the incident will be assumed by the jurisdictional Department upon its arrival at the scene. The highest-ranking officer of the assisting Fire Department at the incident will become the Agency Representative (AREP). The resources of the assisting Department will be released from the scene as soon as practical by the jurisdictional Fire Department.

When it is deemed appropriate, the AREP may enter into Unified Command with the jurisdictional Department's Incident Commander. It is understood that such a decision may require approval from an Agency Administrator of the assisting and/or jurisdictional Department.

A common and agreed upon communications plan shall be established and utilized by all resources and Incident Commanders.

5. Commitment of Resources

It is mutually understood and agreed that this agreement does not relieve either party from the necessity and obligation of using its own resources for furnishing fire and rescue service within any part of its own jurisdiction, and that the assisting party's response to a request for aid will be dependent upon the existing emergency conditions within its own jurisdiction and the status of its resources.

6. Method of Requesting Aid

All requests for aid shall be via the respective dispatch center. Persons assigned to the dispatch center for each Department are authorized to send and receive such requests as per their respective operational procedures.

7. Intent of Agreement

The intent of this Agreement is to provide the jurisdictional agency with a more efficient and/or effective initial response to an emergency incident. The agreed upon resources should only be utilized until the jurisdictional agency is able to relieve the assisting agency with their own resources and/or obtain the appropriate emergency resources, not to exceed a 12-hour period of time. If the agreed upon resources are not available from the assisting agency at the time of the request from the jurisdictional agency, the assisting agency need not respond.

8. Fire Incident Reporting

Each agency shall be responsible for obtaining needed information to complete fire reports for incidents within their respective jurisdiction. Assisting units shall contact jurisdictional units to provide appropriate information for completion of fire reports.

9. Training

Joint training exercises will be conducted periodically upon agreement by the parties (minimum of one per year). These training exercises shall be coordinated with LFD and ELS Battalion Commanders.

10. Services by Los Angeles Fire Department

LFD agrees to provide a designated fire, EMS and/or technical rescue response, as jointly agreed upon by the Fire Chiefs of LFD and ELS, upon request by ELS to designated areas located within the jurisdiction of El Segundo.

11. Dispatch by Los Angeles Fire Department

Upon receipt by Los Angeles of an alarm within a designated area located within the jurisdiction of Los Angeles, LFD, as the jurisdictional Department, will dispatch its nearest available and appropriately designated fire response to that alarm and also notify the ELS fire dispatcher who will, in turn, dispatch the agreed-upon ELS response.

12. Services by El Segundo Fire Department

ELS agrees to provide a designated fire and EMS response, as jointly agreed upon by the Fire Chiefs of ELS and LFD, upon request by LFD to designated areas located within the jurisdiction of Los Angeles.

13. Dispatch by El Segundo Fire Department

Upon receipt by the ELS of an alarm within a designated area located within the jurisdiction of El Segundo, ELS (as the jurisdictional Department) will dispatch its nearest available and appropriately designated fire, EMS, or rescue response to that alarm and also notify an LFD fire dispatcher who will, in turn, dispatch the agreed-upon LFD response.

14. Amount and Type of Assistance

A. LFD to ELS

When requested by ELS, LFD agrees to provide the following resources to combat emergency incidents which are within the defined areas identified on the attached map. (See map #1) Additional resources may be authorized by the Fire Chief or Deputy Department Commander of LFD upon request.

Structure Fire Response

- Initial Dispatch: The closest available Task Force (Light Force and Engine) and one Battalion Chief into the city of El Segundo designated on the attached map.
- Additional resources: After the initial dispatch of one Task Force, ELS may request up to the remaining balance of a category "B" assignment (one Task Force, one engine, one Battalion Chief, and (if necessary) an additional Chief Officer to serve as an agency representative. Additional resources above a category "B" assignment may be authorized by the Fire Chief or Deputy Department Commander of the LFD upon request.

EMS Response

- One ALS ambulance into the city of El Segundo designated on the attached map. See Map#1A

Specialized and Technical Rescue resources

- Any request by ELS for specialized and technical resources (e.g. Hazmat, USAR, Heavy Rescue etc.) shall be approved by the LFD Deputy Department Commander (through the MFC Dispatch Center)

B. ELS to LFD

When requested by LFD, ELS agrees to provide the following resources to combat emergency incidents which are within the defined areas identified on the attached map.

Additional resources may be authorized by the ELS Operations Chief/Duty Chief or Fire Chief upon request.

Fire Response

- One Engine on Vista Del Mar from one-half mile north of Imperial Highway on the north to the El Segundo city boundary on the south. (See Map#2)
- One Engine on northbound Sepulveda Blvd from Imperial Hwy to Century Blvd. (See Map#3)
- One Engine on Aviation Blvd from Imperial to one-half mile north of Imperial Hwy. (See Map#4)
- One Engine on eastbound/westbound I-105 freeway from Sepulveda Blvd. to I-405 freeway. (See Map #5)

EMS Responses

- One Engine with one ALS/BLS ambulance on Vista Del Mar from one-half mile north of Imperial Highway on the north to the El Segundo city boundary on the south. (See Map#2A)

Freeway Incidents: Fire, EMS, and Technical Rescue

- One engine eastbound/westbound on the I-105 Freeway between the Sepulveda Blvd. and the I-405 Freeway. (See Map#5)

15. Communications System

The Parties agree to share the use of communication systems, radios and radio frequencies for the execution of this Agreement. Sharing of the frequencies must be approved only by authorized personnel for each party and documented in the Incident Action Plan (IAP). The communications plan will be reviewed annually and included in the recurrent joint training exercise.

When a Battalion Chief is assigned to the incident from the assisting agency (i.e. structure fire, swift water and freeway physical rescue), a common command channel of the jurisdictional agency shall be used by all assigned Officers, while each agency's line personnel may operate on their agency's tactical radio channel(s) as specified in the communications plan.

For incidents where there is **NO** Battalion Chief assigned from the agency providing assistance (i.e. auto and other fires on the freeway, EMS incidents, etc.) agencies' Company Commanders will communicate with each other using the tactical radio channel assigned to the agency having jurisdiction.

16. No Third-Party Benefit

This Agreement shall not be construed as, or deemed to be, an Agreement for the benefit of anyone not a party hereto, and anyone who is not a party hereto shall not have a right of action hereunder for any cause whatsoever.

17. Consideration

No party furnishing aid pursuant to this Agreement shall be entitled to compensation for services rendered to the requesting agency, it being understood that the respective covenants contained in this Agreement shall constitute the sole consideration for such services.

18. Hold Harmless

It is mutually understood and agreed that the party requesting assistance is not required to indemnify the party furnishing assistance as to liability or damage imposed by law upon the assisting party for any act or omission of the assisting party or its employees occurring in the performance of the services.

19. No Effect on Master Mutual Aid Agreement

It is mutually understood that this Agreement will in no way affect or have a bearing on the existing California Master Mutual Aid Agreement.

20. Previous Agreements Canceled

This agreement supersedes and cancels any previous Automatic Aid Agreement between the parties.

(Signature Page Follows)

IN WITNESS WHEREOF, this Agreement has been executed on the _____ day of _____, 2022 and is effective and operative as to each of the parties as herein provided.

CITY OF LOS ANGELES

By _____
Kristin M. Crowley
Fire Chief

Approved as to form and legality:

MICHAEL N. FEUER
City Attorney

By _____
KIMBERLY MIERA
Deputy City Attorney

CITY OF EL SEGUNDO

By _____
Deena Lee
Fire Chief

Approved as to form:

By _____
MARK HENSLEY
City Attorney

By _____
DREW BOYLES
Mayor

Approved as to content:

By _____
Darrell George
City Manager (Interim)

LOS ANGELES CITY FIRE DEPARTMENT

AUTOMATIC AID: LFD to ELS FIRE RESPONSE

Resource(s):

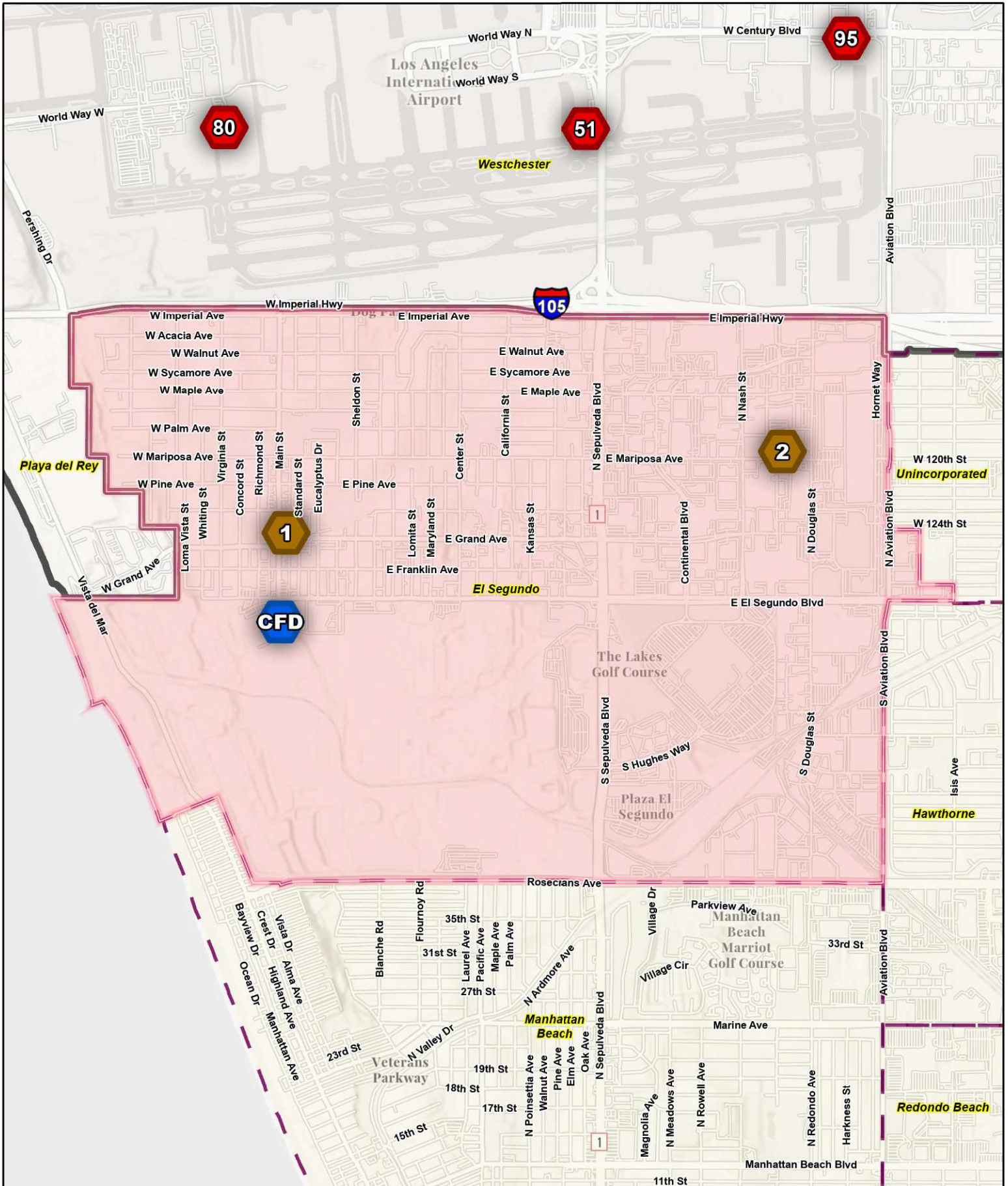
Initial:

Task Force

Additional:

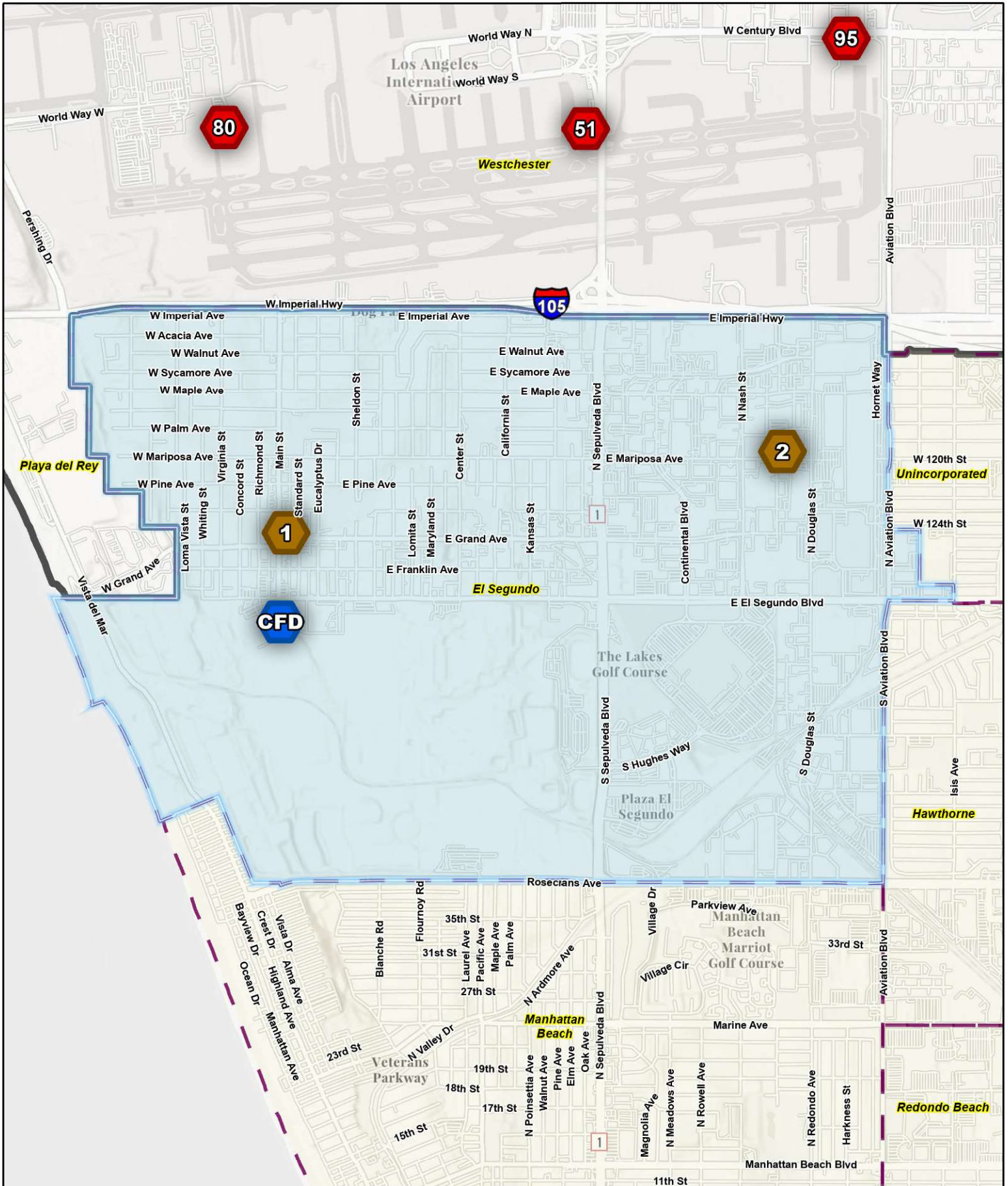
Up to B Assignment

-  Automatic Aid Boundary - Fire Response
-  LFD Fire Stations
-  ELS Fire Stations
-  CFD Fire Stations
-  Los Angeles City Boundary
-  Other Cities Boundary



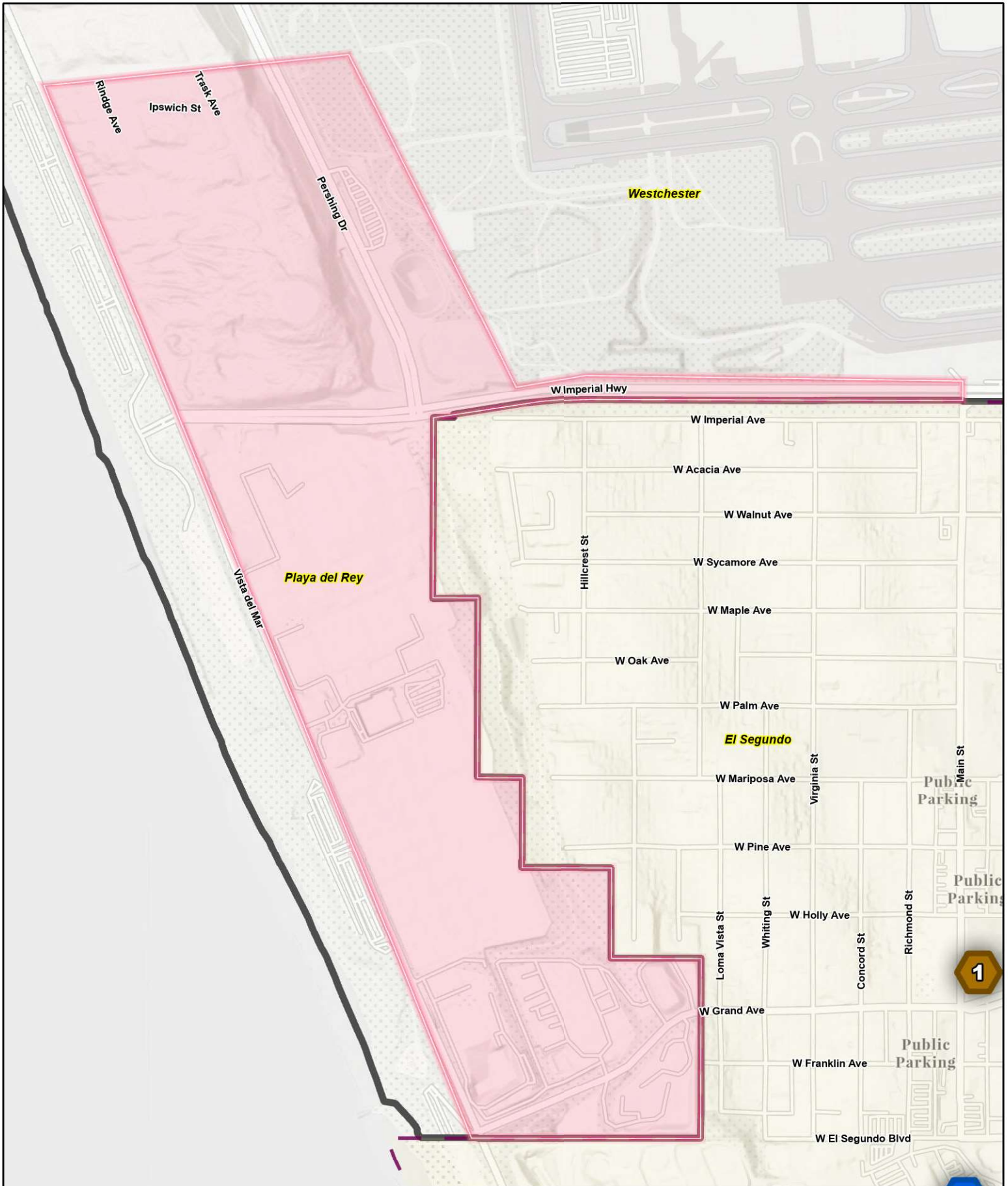
-  Automatic Aid Boundary - EMS Response
-  LFD Fire Stations
-  ELS Fire Stations
-  CFD Fire Stations
-  Los Angeles City Boundary
-  Other Cities Boundary

**AUTOMATIC AID:
LFD to ELS
EMS RESPONSE**



-  Automatic Aid Boundary - Fire Response
-  LFD Fire Stations
-  ELS Fire Stations
-  CFD Fire Stations
-  Los Angeles City Boundary
-  Other Cities Boundary

**AUTOMATIC AID:
ELS to LFD
FIRE RESPONSE**



-  Automatic Aid Boundary - EMS Response
-  LFD Fire Stations
-  ELS Fire Stations
-  CFD Fire Stations
-  Los Angeles City Boundary
-  Other Cities Boundary

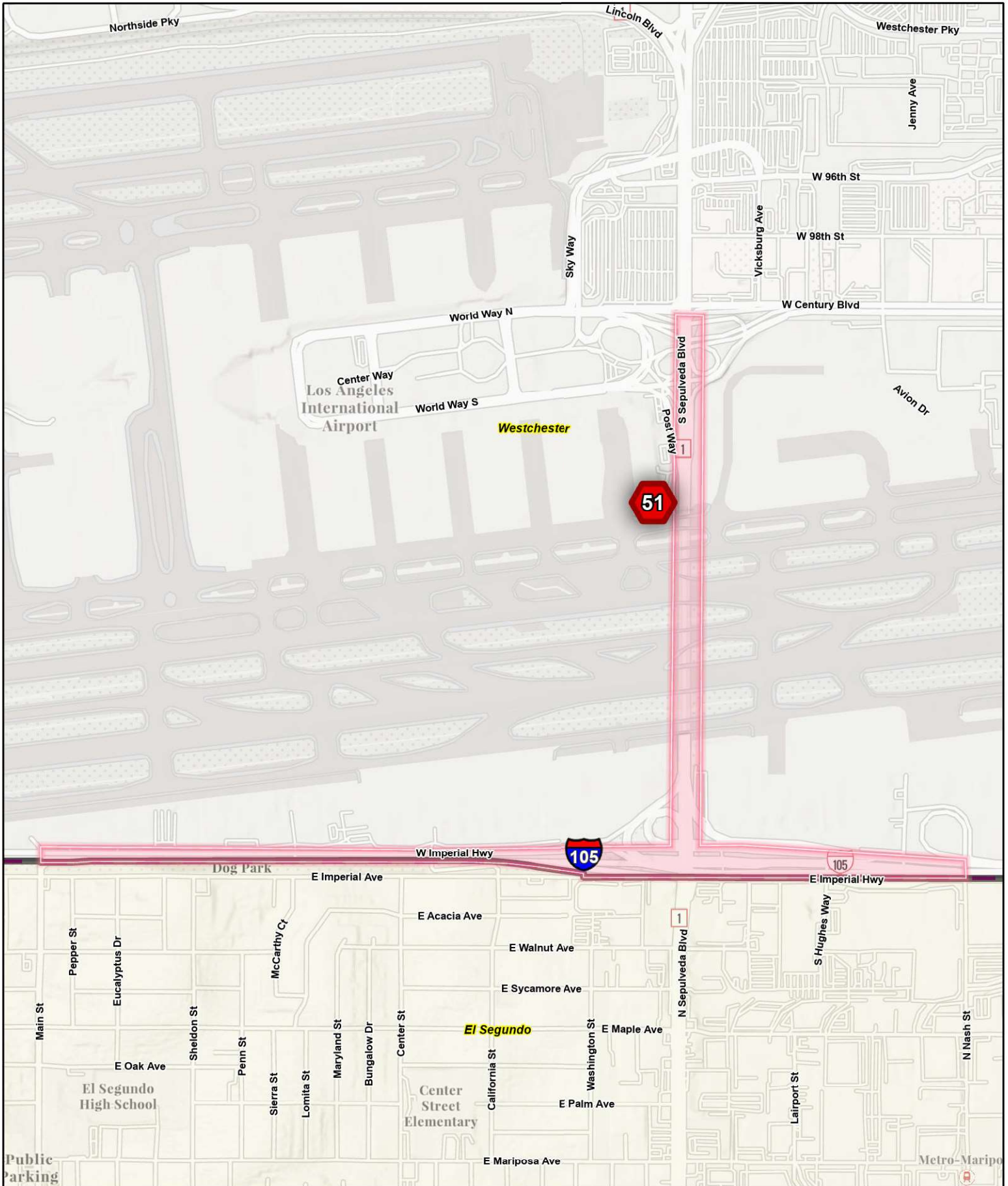
**AUTOMATIC AID:
ELS to LFD
EMS RESPONSE**

- 1. Engine
- 1. ALS or BLS



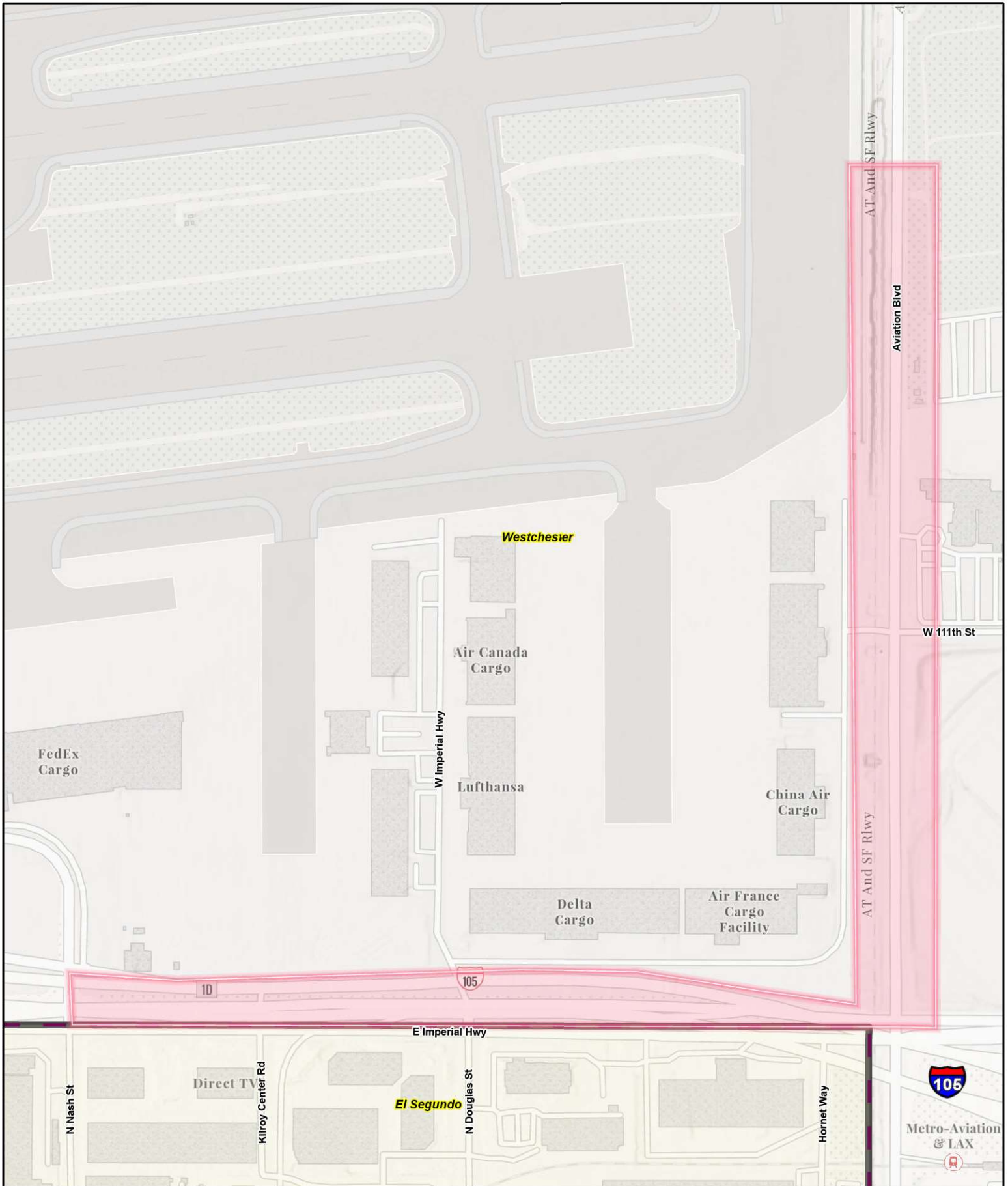
-  Automatic Aid Boundary - Fire Response
-  LFD Fire Stations
-  ELS Fire Stations
-  CFD Fire Stations
-  Los Angeles City Boundary
-  Other Cities Boundary

**AUTOMATIC AID:
ELS to LFD
FIRE RESPONSE**



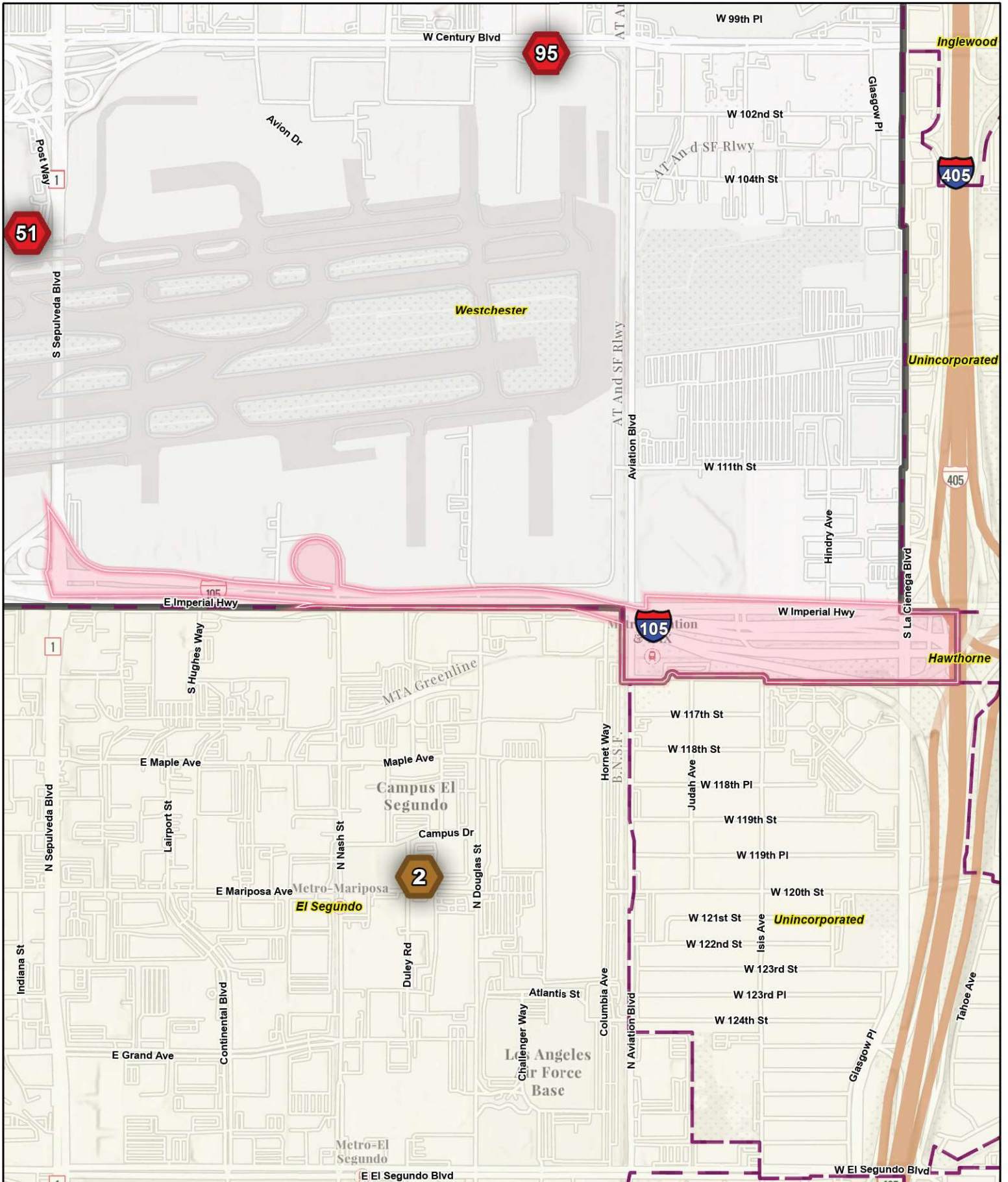
-  Automatic Aid Boundary - Fire Response
-  LFD Fire Stations
-  ELS Fire Stations
-  CFD Fire Stations
-  Los Angeles City Boundary
-  Other Cities Boundary

**AUTOMATIC AID:
ELS to LFD
FIRE RESPONSE**



-  Automatic Aid Boundary - Fire Response
-  LFD Fire Stations
-  ELS Fire Stations
-  CFD Fire Stations
-  Los Angeles City Boundary
-  Other Cities Boundary

**AUTOMATIC AID:
ELS to LFD
FIRE RESPONSE**



**MEMORANDUM OF UNDERSTANDING
FOR EXCHANGE OF FIRE PROTECTION SERVICES BETWEEN THE
CONSOLIDATED FIRE PROTECTION DISTRICT OF LOS ANGELES COUNTY
AND THE CITY OF EL SEGUNDO FIRE DEPARTMENT**

This Memorandum of Understanding (MOU) is authorized by the Board of Supervisors of the County of Los Angeles and the City Council of the City of El Segundo in the Agreement for Exchange of Fire Protection and Rescue Services dated October 29, 1996. This MOU supersedes the MOU dated April 15, 2006, and shall become operational on December 30, 2017.

The purpose of this MOU is to outline the procedures for carrying out an automatic aid/initial action response by the Consolidated Fire Protection District of Los Angeles County, hereinafter referred to as the "District", and the City of El Segundo Fire Department, hereinafter referred to as the "City". This MOU is a guide for day-to-day operations and is not intended to replace or adjust any Uniform Mutual Assistance Agreement which may be in effect.

AMOUNT AND TYPE OF ASSISTANCE

Upon receipt of an alarm, the jurisdictional department will dispatch its nearest available and appropriate designated emergency response to that alarm, then request the agreed-upon assistance from the assisting department as described below. The exchange of fire protection and emergency medical services described below is intended to provide for the dispatch of the nearest respective City and available District fire department resource to assist regular jurisdictional units on fire and emergency medical incidents occurring in the areas described below and depicted on the attached maps.

I. FIRE RESPONSE

All automatic aid equipment responded pursuant to this section, Fire Response, shall be staffed with a required minimum of three paid professional personnel.

A. RESPONSE BY CITY TO DISTRICT

1. City will respond one engine and/or one truck if needed into District Engines 18, 100, 160 and 161's jurisdictions as detailed on:

Exhibit 1

2. City will respond one engine if needed into District Engines 2, 6, 53, 56, 83 and 106's jurisdictions as detailed on:

Exhibit 2

B. RESPONSE BY DISTRICT TO CITY

1. District will respond two engines if needed into the City as detailed on:
Exhibit 3
2. The District will respond up to four engines, one truck and one battalion chief into the City on greater alarm incidents including move up station coverage as detailed on Exhibit 3. District units may respond directly to the incident or to station(s) for all incident coverage.
3. The pre-designated LAC Fire Station Order (FSO) list for the City's Dispatch Zones is 160, 161, 162, 21,100 and 159. However, actual units responded and/or moved up apparatus are determined by the District's Command and Control at the time of dispatch.

II. EMERGENCY MEDICAL RESPONSE

All automatic aid engines responded pursuant to this section, Emergency Medical Response, shall be staffed with a required minimum of three paid professional personnel.

A. RESPONSE BY CITY TO DISTRICT

City will respond one engine if needed and simultaneously District will request a private ambulance and a paramedic unit into District Engines 18, 160 and 161's jurisdictions as detailed on:

Exhibit 4

B. RESPONSE BY DISTRICT TO CITY

District will respond one engine if needed and simultaneously City will provide an ambulance and paramedic unit into the City as detailed on:

Exhibit 3

METHODS OF DISPATCH

Upon receipt of an alarm in any automatic aid/initial action area, the dispatch center receiving the alarm shall dispatch the proper assignment and immediately notify the other jurisdiction by direct telephone line and request the agreed-upon assistance from their respective department to the incident. All requests for aid shall be via the jurisdictional dispatch center. Persons assigned as dispatch personnel from both departments are authorized to send and receive such requests.

LIMITATIONS

If the agreed-upon automatic aid/initial action response from either department is not available or either agency's resources are temporarily depleted, the assisting agency need not respond. Both departments will cooperate at the time of dispatch to utilize the most appropriate alternative.

COMMUNICATIONS

1. TELEPHONES

"Direct Connect" telephone service shall be established by each agency between Communications Centers.

2. RADIOS

The responding agency resources will communicate on the frequencies assigned by the requesting agency. When the City responds into the District's jurisdiction, the unit will normally contact "LA" on BLUE 1.

TRAINING

Joint training exercises are to be carried out periodically under the direction of the Fire Chiefs or their designees for the purpose of maintaining efficient interdepartmental coordination. The joint training exercises are to be carried out a minimum of twice per year and shall be coordinated and observed by the respective Department Training Officers or designee.

INCIDENT COMMAND

The senior officer of the first arriving unit will take necessary action dictated by the situation. Overall command of the incident will be assumed by the jurisdictional department upon its arrival at the scene. The aiding department will remain in command of their personnel. The incident commander will contact the senior officer of the aiding department for resource coordination. The resources of the aiding department will be released from the incident by the jurisdictional department as soon as practical.

FIRE AND EMS INCIDENT REPORTING

Each department shall be responsible for obtaining needed information to complete fire and EMS reports for incidents within their respective jurisdiction. Assisting units shall cooperate with jurisdictional units to provide copies of reports and appropriate information for completion of the fire and EMS reports. Paramedic units will be responsible for providing a copy of EMS reports to the respective jurisdictional station for report completion.

REVISIONS

This MOU may be revised or amended at any time by mutual agreement of the Fire Chief of the District and the Fire Chief of the City, or it may be terminated by either party upon giving 30 days written notice to the other party.

It is agreed that substantial reductions of fire protection services by either agency shall be cause for reconsideration of this Agreement.

04/18/18²⁰
DATE

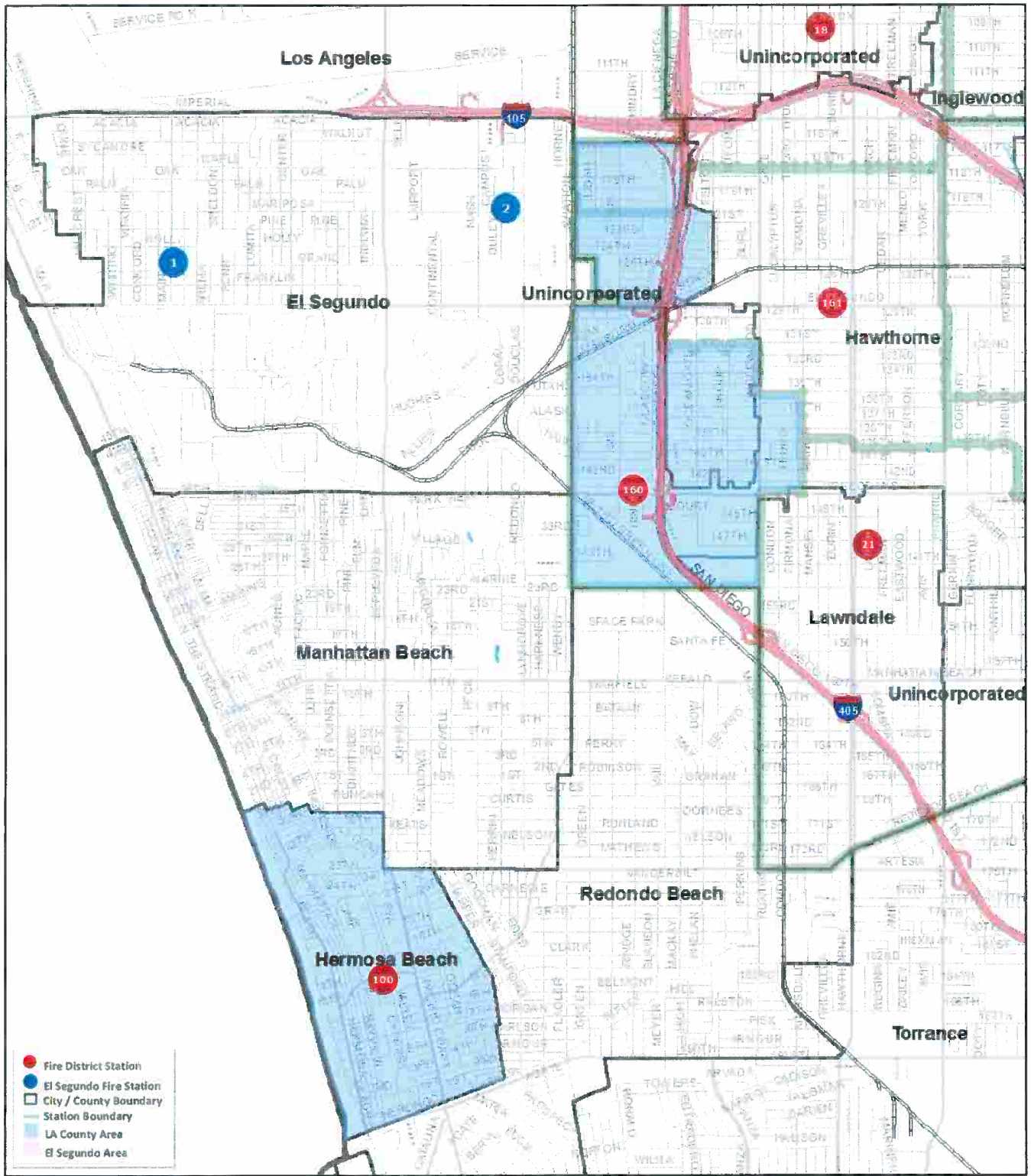
Daryl L. Osby
DARYL L. OSBY, FIRE CHIEF
CONSOLIDATED FIRE PROTECTION DISTRICT
OF LOS ANGELES COUNTY

4/2/18
DATE

Chris Donovan
CHRIS DONOVAN, FIRE CHIEF
CITY OF EL SEGUNDO

F:\PLANNING\El Segundo\El Segundo MOU

EL SEGUNDO / DISTRICT (LAC) EXHIBIT 1 CITY TO DISTRICT

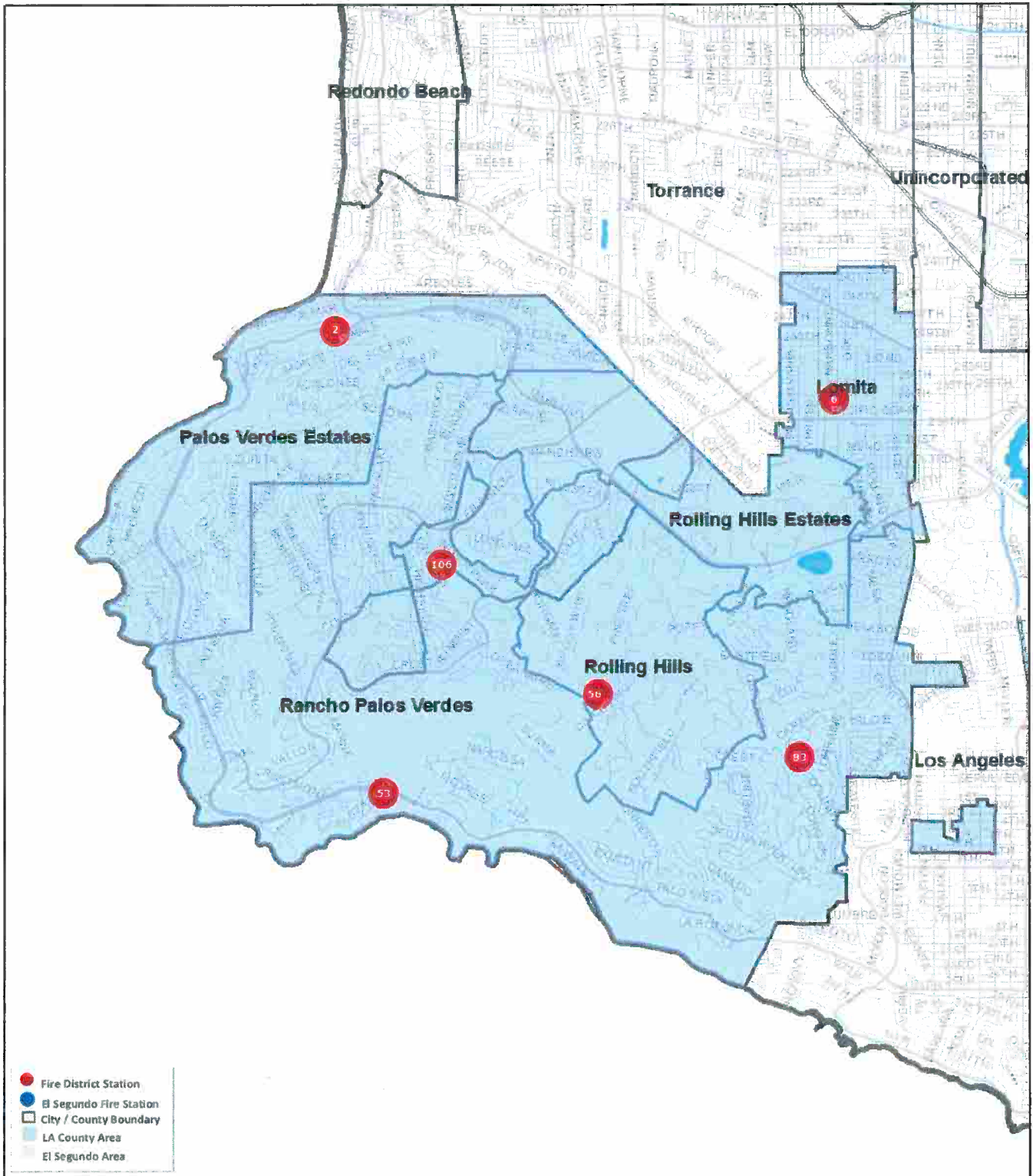


Los Angeles County Fire Department

This agency is not responsible for the misinterpretation of this map and makes no inference or judgment as to the relative safety of particular areas. This map does not meet national map accuracy standards and should not be used for engineering purposes.

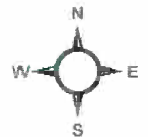
0 0.1 0.2 0.4 0.6 0.8
Miles

**EL SEGUNDO / DISTRICT (LAC)
EXHIBIT 2
CITY TO DISTRICT**



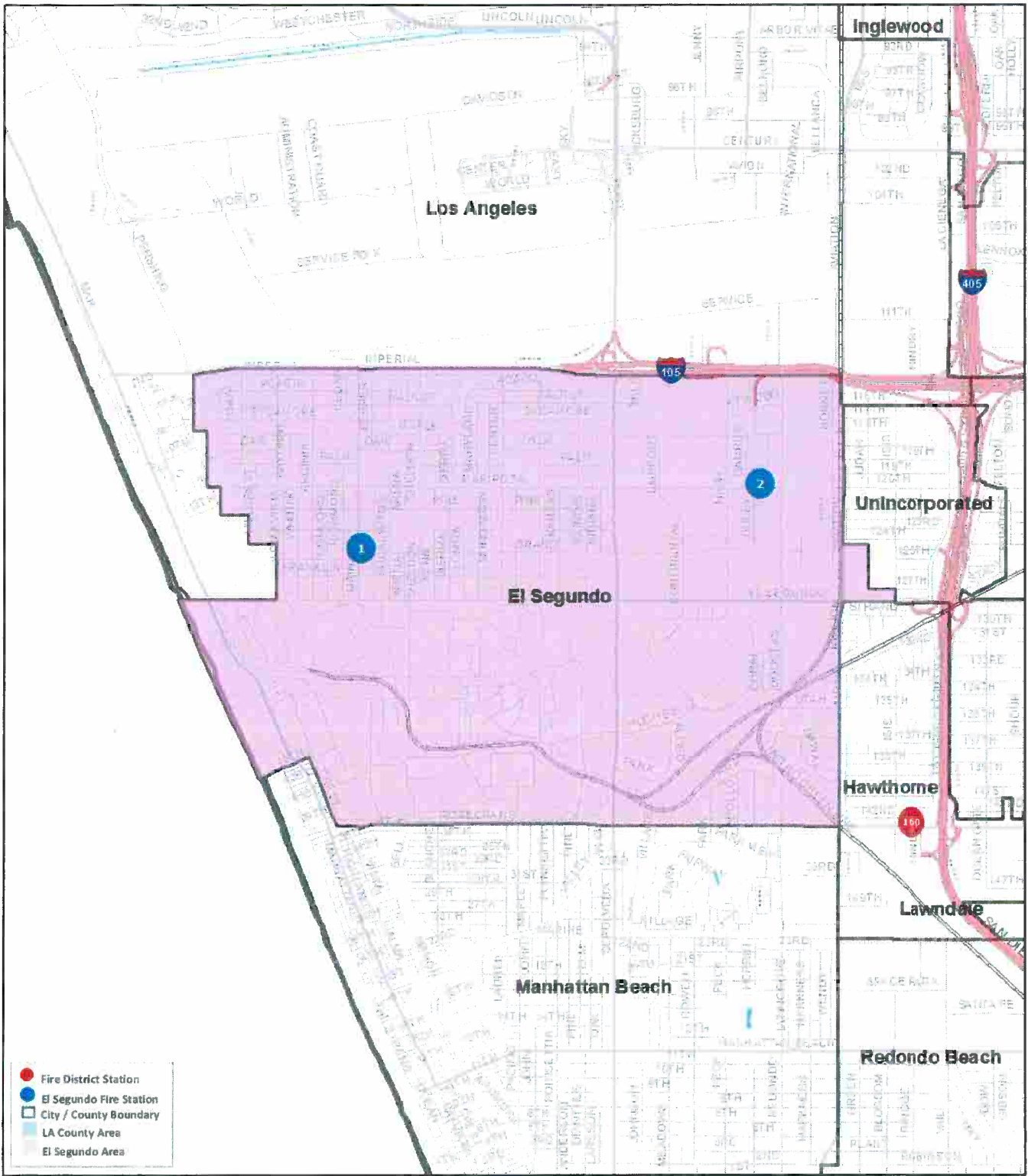
Los Angeles County Fire Department

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00.178.35 0.7 1.05 1.4 Miles

**EL SEGUNDO / DISTRICT (LAC)
EXHIBIT 3
DISTRICT TO CITY**



- Fire District Station
- El Segundo Fire Station
- City / County Boundary
- LA County Area
- El Segundo Area



Los Angeles County Fire Department

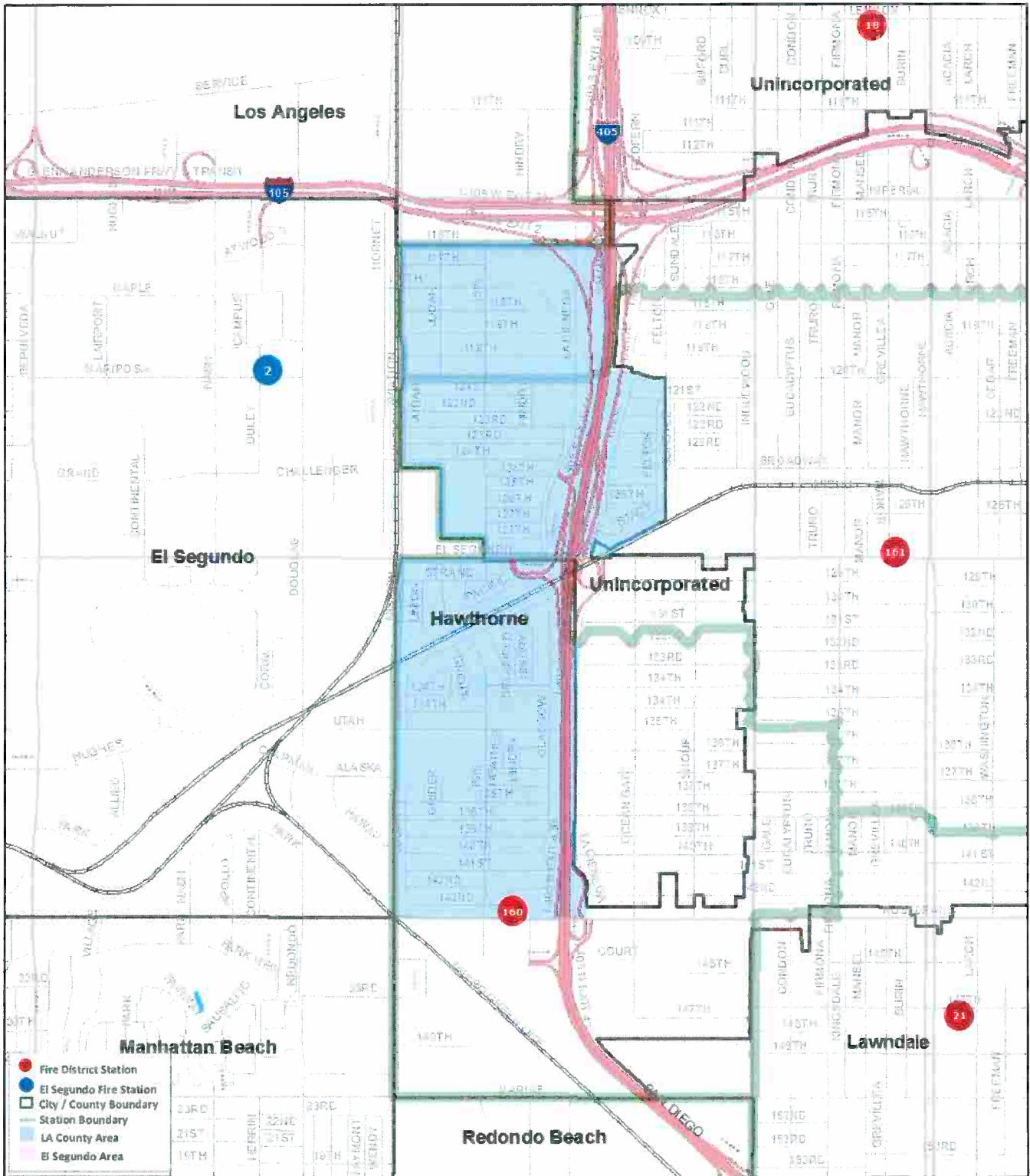
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EL SEGUNDO / DISTRICT (LAC)

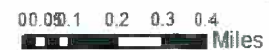
EXHIBIT 4

CITY TO DISTRICT



Los Angeles County Fire Department

This agency is not responsible for the misinterpretation of this map and makes no inference or judgment as to the relative safety of particular areas. This map does not meet national map accuracy standards and should not be used for engineering purposes.



Area G Operations Manual
EL SEGUNDO FIRE
AREA 'G' MUTUAL AID

Revised: 1/1/2022

3001/3002/3008/3009

<u>1ST Alarm</u>	BC31, BC21, E31, E32, E21, E22, T32, ELS Rescue	
	Alternate Engine LACo, RDB, Alternate Truck RDB, LACo Alternate Rescue MHB, RDB	
<u>Station Cover</u>	Engine + RDB Engine + LACo	Cover El Segundo Station 1 Cover Manhattan Beach Station 1
	Alternate Engine LACo	
<u>2ND Alarm</u>	Engine RDB Engine LACo Engine + LACo Engine + LACo Truck + RDB Rescue + ELS	Fire (from station coverage) Fire (from station coverage) Fire Fire Fire Fire
	Engine + RDB Engine + TOR	Cover El Segundo Station 1 Cover Manhattan Beach Station 1
	Alternate Engine RDB, TOR, Alternate Truck LAC, TOR, Alternate Rescue MHB, RDB	
<u>3RD Alarm</u>	Engine RDB Engine TOR Engine + LACo Engine + TOR Truck + LACo Rescue + MHB B/C + BC61	Fire (from station coverage) Fire (from station coverage) Fire Fire Fire Fire Fire
	Engine + LACo Engine + LACo	Cover El Segundo Station 1 Cover Manhattan Beach Station 1
	Alternate Engine LACo Alternate Truck LACo, TOR Alternate Rescue RDB, LACo	
<u>4TH Alarm</u>	Resources from Region One: Four Engines, One Truck, One BC, and a Rescue/Squad	

+**RED** indicates add resource for that alarm



City Council Agenda Statement

Meeting Date: November 1, 2022

Agenda Heading: Staff Presentations

Item Number: D.15

TITLE:

Ordinance Amending El Segundo Municipal Code Title 13 to Adopt by Reference, with Certain Local Amendments, Parts 2, 2.5, 3, 4, 5, 6, 8, 9, 10, and 11 the 2022 California Building Standards Code; the 2021 International Property Maintenance and Swimming Pool and Spa Codes; and the 2021 Uniform Solar, Hydronics, and Geothermal Code

RECOMMENDATION:

1. Read by title only, waive further reading, and introduce the proposed Ordinance.
2. Schedule a public hearing for November 15, 2022 for the second reading and adoption of the Ordinance.
3. Adopt a Resolution making certain findings to support local amendments to the codes adopted by reference.
4. Alternatively, discuss and take other action related to this item.

FISCAL IMPACT:

\$25,000 for contract services with JAS Pacific to work with staff and prepare the relevant documents for the adoption of 2022 California Building Code was included in the Adopted FY 22-23 Budget.

Amount Budgeted: \$25,000

Additional Appropriation: \$0

Account Number(s): 001-400-2403-6214 (Professional Services)

BACKGROUND:

Health & Safety Code Section 17958 requires the California Building Standards Commission adopt and publish the California Building Standards Code (Title 24 California Code of Regulations) every three years and local governments are required to enforce the codes after 180 days of the code's publication by the state. The

Building Code Adoption by Reference

November 1, 2022

Page 2 of 3

construction codes include: the Building, Residential, Electrical, Mechanical, Plumbing, Energy, Historical Building, Fire, Existing Building and Green Building codes. If the City Council approves the Ordinances, then the most recent editions of the construction codes with local amendments will be in effect with the City of El Segundo on January 1, 2023 as required by state law.

The following codes are proposed for adoption by reference with amendments. If adopted, these codes will replace the prior editions of the model codes in El Segundo Municipal Code Title 13.

- 2022 California Building Code
- 2022 California Residential Code
- 2022 California Electrical Code
- 2022 California Mechanical Code
- 2022 California Plumbing Code
- 2022 California Energy Code
- 2021 International Property Maintenance Code
- 2021 International Swimming Pool and Spa Code
- 2022 California Fire Code
- 2022 California Existing Building Code
- 2022 California Green Building Standards Code
- 2022 California Historical Building Code
- 2021 Uniform Solar, Hydronics and Geothermal Code with amendments

DISCUSSION:

The Community Development Department and Fire Department recommend local changes and modifications to the codes due to local, climatic, and geographic conditions. Other modifications are of an administrative or procedural nature and concern themselves with subjects that are not covered by the codes or are reasonably necessary to safeguard life and property. The attached resolution sets forth the necessary findings to enable the City to amend the new construction codes to reflect our local conditions. The attached ordinance incorporates a list of amendments proposed to be implemented in the El Segundo Municipal Code.

Government Code § 5002.3 requires the City Council to conduct a public hearing before a second reading of ordinances that adopt the codes by reference. Staff recommends that the City Council set a public hearing for the second reading of the Ordinance at its November 15, 2022 meeting.

The Ordinance is exempt from review under the California Environmental Quality Act (California Public Resources Code §§ 21000, et seq., "CEQA") and the regulations

Building Code Adoption by Reference

November 1, 2022

Page 3 of 3

promulgated thereunder (14 California Code of Regulations §§ 15000, et seq., the “CEQA Guidelines”) because it consists only of minor revisions and clarifications to an existing code of construction-related regulations and specification of related procedures. These will not have the effect of deleting or substantially changing any regulatory standards or findings. Accordingly, the Ordinance (by itself) does not have the potential to cause significant effects on the environment. This Ordinance is also an action being taken for enhanced protection of the environment and is exempt from further review under CEQA Guidelines § 15308.

CITY STRATEGIC PLAN COMPLIANCE:

Goal 2: Support Community Safety and Preparedness

Objective: El Segundo is a safe and prepared city.

Goal 5: Champion Economic Development and Fiscal Sustainability

Objective 5A: El Segundo promotes economic growth and vitality for business and the community.

PREPARED BY:

Nicole Pesqueira, Fire Marshal

REVIEWED BY:

Michael Allen, AICP, Development Services Director

APPROVED BY:

Barbara Voss, Deputy City Manager

ATTACHED SUPPORTING DOCUMENTS:

1. Resolution
2. Ordinance

RESOLUTION NO. _____

A RESOLUTION MAKING EXPRESS FINDINGS AND DETERMINATIONS SUPPORTING CITY MODIFICATIONS TO THE CALIFORNIA BUILDING STANDARDS CODE BECAUSE OF LOCAL CLIMATIC, GEOLOGICAL OR TOPOGRAPHICAL CONDITIONS.

The City Council of the city of El Segundo does resolve as follows:

SECTION 1. *Findings.* The City Council finds and declares as follows:

- A. Certain building standards and other related model codes are adopted by the State of California in the California Building Standards Code and become applicable unless amended by the City pursuant to Health and Safety Code § 17958.
- B. The City of El Segundo ("City") may adopt model codes by reference pursuant to Government Code § 50022.2 et seq..
- C. Health and Safety Code § 17958.5 authorizes the City Council to make reasonably necessary changes or modifications to the state-adopted building codes, including the California Building Standards Code, based on certain local conditions;
- D. Pursuant to Health and Safety Code § 17958.7, it is in the public interest to adopt the California Building Standards Code with the changes set forth in this Ordinance
- E. The City's staff has determined and recommended that the modifications to the California Building Standards Code, 2022 Edition, contained herein, are reasonably necessary due to local conditions.
- F. Health and Safety Code Section 17958.7 requires the City Council to make express findings of the necessity for modifications to the building standards contained in the California Building Standards Code, 2022 Edition.

SECTION 2. *Legislative Findings.* The City further finds and declares as follows:

- A. Pursuant to the requirements of Health and Safety Code § 17958.7, the City Council expressly finds that the amendments and modifications to building standards contained in the 2022 California Building Code, 2022 California Residential Code, 2022 California Electrical Code, 2022 California Mechanical Code, 2022 California Plumbing Code, 2022 California Energy Code, 2022 California Fire Code, the 2022 California Green Building Standards Code, 2022 California Historical Building Code, 2022 California Existing Building Code, 2021 International Property Maintenance Code, as adopted by the City are reasonably necessary due to the following local climatic, geological or topographical conditions:
 - 1. Climatic Conditions: The City is located in an area climatically classified as "semi-arid" and prone to hot and dry Santa Ana winds of high velocity. Moreover, due

to the arid nature of the area, the weather during the windy period tends to be very warm and dry. Furthermore, the City is a densely populated area having buildings and structures constructed within a climate system capable of producing major winds, fire and rain related disasters, including but not limited to those caused by the Santa Ana winds and El Nino (or La Nina) subtropical-like weather. Because of the described climatic conditions, the City and the surrounding cities have historically suffered from occasional structural fires. These have often been difficult to control due to the dry winds carrying sparks and cinders to surrounding structures. These winds constitute a contributing factor, which causes small fires originating in high-density development presently being constructed in the City, which spread quickly and create the need for an increased level of fire protection. This added protection, including, but not limited to on-site protection, will supplement normal Fire Department response available in new development, and provide immediate fire protection for life and safety of multiple-occupancy occupants during fire occurrence.

2. Topographical Conditions: The City is a densely populated area having buildings and structures constructed within relatively flat and hilly topography causing structures close to develop heat island conditions due to urban development and therefore needs to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing building or structures are designed and constructed in accordance with the scope and objectives of the California Codes. Traffic and circulation congested in urban areas often place Fire Department response time to emergencies at risk. This condition makes the need for enhanced on-site protection for property occupants necessary. The dry weather conditions, combined with the relatively hilly topography of the City is very hazardous to the surrounding highly populated areas in as far as flame spread is concerned. Because of the above-described topographic conditions, the City and the surrounding cities have historically suffered from occasional structural fires. These have often been difficult to control due to the dry winds carrying sparks and cinders to surrounding structures.
3. Geological Conditions: The City is a densely populated area located in the greater Los Angeles/Long Beach region having buildings constructed over and near a vast array of fault systems capable of producing major earthquakes, including but not limited to the 1994 Northridge Earthquake. During a major earthquake, emergency resources would be extremely taxed, and the ability to respond to such emergencies would be complicated. Local standards in excess of statewide minimums will assist in reducing risks associated with earthquakes and the consequent disruption of traffic flow. Due to the large number of tall buildings in this region as well as the increased fire-life safety associated with such a seismic failure, the proposed modification to have a higher minimum base seismic shear consistent with previous editions of the building codes need to be incorporated into the code to assure that new buildings and additions or alterations to existing buildings are designed and constructed in accordance with the scope and objectives of the International Codes.

B. The City Council finds that the following table sets forth the 2022 California Building Standards Code provisions constituting building standards that have been modified pursuant to Ordinance No. _____, and the associated local climatic, topographical, and/or geological conditions described in Section 2(A) above:

2022 California Building Code Section added or amended:	Specific Finding-- climatic, topographical and/or geological conditions (Section 2(A)): Administrative, Climatic, Topographical, and Geological
Appendix F, H, I and J	
105.1 Amended	Administrative
105.2 Amended	Administrative
105.3.2 Amended	Administrative
105.8 Added	Administrative
109.4 Amended	Administrative
109.6.1 Added	Administrative
109.6.2 Added	Administrative
109.7 Added	Administrative
110.1.1 Added	Administrative
113.3 Amended	Administrative
113.4 Added	Administrative
202 Amended	Climatic, Topographical
456 Added	Climatic, Topographical
903.2 Amended	Climatic, Topographical
903.2.22 Added	Climatic, Topographical
903.3.5.3 Added	Climatic, Topographical
903.3.8 Amended	Climatic, Topographical
903.3.9 Amended	Climatic, Topographical
903.4.2 Amended	Climatic, Topographical
909.11 Amended	Climatic, Topographical
1206.6 Added	Climatic, Topographical
1507.3.1 Amended	Climatic, Topographical
1613.5 Added	Geological
1613.5.2 Added	Geological
1613.5.3 Added	Geological
1613.5.4 Added	Geological
1613.5.5 Added	Geological
1613.7 Added	Geological
1613.8 Added	Geological
1704.6 Amended	Geological
1704.6.1 Amended	Geological
1705.3 Amended	Geological
1705.13 Amended	Geological

1807.1.4	Amended	Climatic, Geological
1807.1.6	Amended	Geological
1809.3	Amended	Geological
1809.7 and Table 1809.7	Amended	Geological
1809.12	Amended	Climatic, Geological
1810.3.2.4	Amended	Climatic, Geological
1905.1	Amended	Geological
1905.1.7	Amended	Geological
1905.1.9, 1905.1.10, and 1905.1.11	Added	Geological
2304.10.2	Amended	Geological
2304.12.2.8	Amended	Climatic, Geological
2305.4	Added	Geological
2305.5	Added	Geological
2306.2	Amended	Geological
2306.3	Amended	Geological
2307.2	Added	Geological
Table 2308.6.1	Amended	Geological
2308.6.5, Figure 2308.6.5.1, and Figure 2308.6.5.2	Amended	Geological
2308.6.8.1	Amended	Geological
2308.6.9	Amended	Geological
3115	Amended	Geological
J101.3	Amended	Topographical
J101.4	Added	Topographical
J101.5	Added	Topographical
J101.6	Added	Topographical
J101.7	Added	Topographical
J101.8	Added	Topographical
J101.9	Added	Topographical
J103.2	Amended	Topographical
J103.3	Added	Topographical
J103.4	Added	Topographical
J104.2.1	Added	Topographical
J104.2.2	Added	Topographical
J104.2.3	Added	Topographical
J109.5	Added	Topographical
J113	Added	Topographical

2022 California Residential Code Section
added or amended:

Code Section	Change	Specific Finding-- climatic, topographical and/or geological conditions (Section 2(A)):
R105.2	Amended	Administrative
R105.3.2	Amended	Administrative
R105.8	Added	Administrative
R108.5.1	Added	Administrative
R108.5.2	Added	Administrative
R108.6	Amended	Administrative
R109.1.7	Added	Administrative
R109.5	Added	Administrative
R112.3	Amended	Administrative
R301.1.3.2	Amended	Geological
R 301.1.5	Added	Geological, Topographical
R301.2.2.6	Amended	Geological
R301.2.2.3.11	Added	Geological
R313.1	Amended	Climatic, Topographical
R328.1	Amended	Climatic, Topographical
R328.4	Amended	Climatic, Topographical
R328.5	Amended	Climatic, Topographical
R328.7	Amended	Climatic, Topographical
R341	Added	Climatic, Topographical
R401.1	Amended	Geological, Climatic
R403.1.2	Amended	Geological
R403.1.3.6	Amended	Geological
R403.1.5	Amended	Geological
R404.2	Amended	Climatic, Geological
R501.2	Amended	Geological
R503.2.4	Added	Geological
Table R602.3(1)	Amended	Geological
R602.3.2 and Table R602.3.2	Amended	Geological
Table R602.3(2)	Amended	Geological
R602.10.2.3	Amended	Geological
Table R602.10.3(3)	Amended	Geological
Table R602.10.4	Amended	Geological
Table R602.10.5	Amended	Geological
Figure R602.10.6.1	Amended	Geological
Figure R602.10.6.2	Amended	Geological
Figure R602.10.6.4	Amended	Geological
R606.4.4	Amended	Geological
R606.12.2.2.3	Amended	Geological
R803.2.4	Added	Geological
R905.3.1	Amended	Geological
R1001.3.1	Amended	Geological

2022 California Mechanical Code Section
added or amended:

104.0 Amended
104.5 Amended
107.0 Amended

Specific Finding-- climatic,
topographical and/or
geological conditions
(Section 2(A)):
Administrative
Administrative
Administrative

2022 California Plumbing Code Section
added or amended:

104.4 Amended
104.5 Amended
107.0 Amended
1211.8 Amended

Specific Finding-- climatic,
topographical and/or
geological conditions
(Section 2(A)):
Administrative
Administrative
Administrative
Geological

2022 California Existing Building Code Section
Added or amended: Specific Finding-- climatic,
topographical and/or
geological conditions
(Section 2(A)):

1.8.8 Amended Administrative

2022 California Green Building Standards Code Section
Added or amended: Specific Finding-- climatic,
topographical and/or
geological conditions
(Section 2(A)):

101.13 Amended Administrative

Specific Finding-- climatic,

2022 California Fire Code Section
added or amended:

1.11.4.1 Amended
104.1.1 Added
104.1.2 Added
104.11.2 Added
104.12.4 Added

Specific Finding-- climatic,
topographical and/or
geological conditions
(Section 2(A)):
Administrative
Administrative
Administrative
Administrative
Administrative

105.2	Amended	Administrative
107.4	Added	Administrative
107.7	Added	Administrative
108.2.1	Amended	Administrative
111.5	Added	Administrative
112.4	Amended	Administrative
202	Added	Administrative
308.1.4	Deleted	Climatic, Topographical
311.5	Deleted	Administrative
503.2.1	Amended	Climatic, Topographical
503.6.1	Added	Climatic, Topographical
507.2.1	Amended	Climatic, Topographical
507.5.1.1	Amended	Climatic, Topographical
510.4.2.9	Added	Climatic, Topographical
901.4.8	Added	Climatic, Topographical
901.11	Added	Climatic, Topographical
901.12	Added	Climatic, Topographical
903.2	Amended	Climatic, Topographical
903.2.1-903.2.11.3	Deleted	Climatic, Topographical
903.2.22	Added	Climatic, Topographical
903.3.3.8	Added	Climatic, Topographical
903.3.5.3	Added	Climatic, Topographical
903.3.9	Amended	Climatic, Topographical
903.4.2	Amended	Climatic, Topographical
909.11	Amended	Climatic, Topographical
918	Added	Climatic, Topographical
1207.11.3	Amended	Climatic, Topographical
1207.11.4	Amended	Climatic, Topographical
1207.11.6	Deleted	Climatic, Topographical
3305.9	Amended	Climatic, Topographical
5601.1.3	Amended	Climatic, Topographical
5601.3.1	Amended	Climatic, Topographical
5601.7	Amended	Administrative
5801.1.1	Added	Topographical
B105.2	Amended	Climatic, Topographical
13-9-3	Added	Climatic, Topographical

SECTION 3. Severability. If any part of this Resolution or its application is deemed invalid by a court of competent jurisdiction, the City Council intends that such invalidity will not affect the effectiveness of the remaining provisions or applications and, to this end, the provisions of this Resolution are severable.

SECTION 4. Electronic Signatures. This Resolution may be executed with electronic signatures in accordance with Government Code §16.5. Such electronic signatures will be treated in all respects as having the same effect as an original signature.

SECTION 5. Signature Authority. The Mayor, or presiding officer, is hereby authorized to affix his signature to this Resolution signifying its adoption by the City Council of the City of El Segundo, and the City Clerk, or her duly appointed deputy, is directed to attest thereto.

SECTION 6. Effective Date. This Resolution will take effect upon the effective date of Ordinance No. ____ and remain effective unless repealed or superseded.

SECTION 7. City Clerk Direction; Transmittal to State. The City Clerk will certify to the passage and adoption of this Resolution, enter it in the City's book of original Resolutions, and make a record of this action in the meeting's minutes. The City Clerk is directed to transmit a certified copy of this Resolution to the California Building Standards Commission.

PASSED, APPROVED AND ADOPTED this ____ day of _____,
2022.

Drew Boyles, Mayor

ATTEST:

STATE OF CALIFORNIA)
COUNTY OF LOS ANGELES) SS
CITY OF EL SEGUNDO)

I, Tracy Weaver, City Clerk of the City of El Segundo, California, do hereby certify that the whole number of members of the City Council of said City is five; that the foregoing Resolution No. _____ was duly passed and adopted by said City Council, approved and signed by the Mayor of said City, and attested to by the City Clerk of said City, all at a regular meeting of said Council held on the ____ day of ____ 2022, and the same was so passed and adopted by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

Tracy Weaver, City Clerk

APPROVED AS TO FORM:
MARK D. HENSLEY, CITY ATTORNEY

Joaquin Vazquez, Deputy City Attorney

ORDINANCE NO. _____

AN ORDINANCE ADOPTING THE 2022 EDITION OF THE CALIFORNIA BUILDING CODE, 2022 CALIFORNIA RESIDENTIAL CODE, 2022 CALIFORNIA ELECTRICAL CODE, 2022 MECHANICAL CODE, 2022 CALIFORNIA PLUMBING CODE, 2022 CALIFORNIA ENERGY CODE, 2022 CALIFORNIA FIRE CODE, 2022 CALIFORNIA HISTORICAL BUILDING CODE, 2022 CALIFORNIA EXISTING BUILDING CODE, 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE, 2021 INTERNATIONAL SWIMMING POOL AND SPA CODE, 2021 INTERNATIONAL PROPERTY MAINTENANCE CODE, 2021 SOLAR, HYDRONIC, AND GEOTHERMAL CODE, WITH CERTAIN APPENDICES AND AMENDMENTS AND AMENDING THE EL SEGUNDO MUNICIPAL CODE TO REFLECT SUCH ADOPTION.

The City Council of the city of El Segundo does ordain as follows:

SECTION 1. *Findings.*

- A. Government Code § 50022.9 authorizes the City of El Segundo (the “City”) to adopt, by reference, codes from another governmental entity as the City’s own.
- B. The California Building Standards Codes (the “California Building Codes”) established statewide codes and regulations for building construction and fire safety and is published every three years by order of the California Legislature.
- C. The 2022 California Building Codes are based upon the International Code Council’s 2021 International Building Code; and
- D. The 2022 California Building Codes were published on July 1, 2022 and became effective on January 1, 2023.
- E. California Health & Safety Code §§ 17958.5 and 18941.5 authorize cities and counties to modify the California Building Code by adopting more restrictive standards and modifications if such standards and modifications are accompanied by express findings that they are reasonably necessary because of local climatic, geological or topographical conditions.
- F. The City seeks to adopt the California Building Codes with various local, City amendments, as justified via Resolution No. ____.

SECTION 2. Sections 13-1-1 and 13-1-2 of Chapter 1 of Title 13 of the El Segundo Municipal Code (“ESMC”) are repealed and replaced by the following to read as follows:

“CHAPTER 1

BUILDING CODE

13-1-1: ADOPTION OF CALIFORNIA BUILDING CODE, 2022 Edition: Pursuant to California Government Code Section 50022.2, the California Building Code, 2022 Edition, published as Title 24, Part 2, of the California Code of Regulations, including Appendices F, H, I, and J (“CBC”) is adopted by reference, subject to the amendments, additions and deletions set forth in Section 13-1-2. One true copy of the CBC, is on file in the office of the Building Official and is available for public inspection as required by law.

13-1-2: AMENDMENTS TO CALIFORNIA BUILDING CODE:

The California Building Code adopted pursuant to Section 13-1-1 is hereby amended as follows:

Section 105.1 of Chapter 1 of the CBC is amended to read as follows:

105.1 Permit Required.

Any owner or authorized agent who intends to construct, enlarge, alter, repair, move, demolish, or change the occupancy of a building or structure, or to erect, install, enlarge, alter, repair, remove, convert, or replace any electrical, gas, mechanical or plumbing system, the installation of which is regulated by this code, or to cause any such work to be done, shall first make application to the building official and obtain the required permit. Parking lots shall not be paved, improved, striped, or restriped unless a separate permit for each parking lot has first been obtained from the building official.

Exception: A separate permit shall not be required to pave, improve, stripe, or restripe a parking lot when such work is included in the scope of another project for which a building permit has been issued and when the design of such parking lot was included in the plan check review of such project

Subsection 14 is added to Section 105.2 of Chapter 1 of the CBC as follows:

105.2 Work exempt from permit.

Building:

14. Block wall and concrete fences not over 3 feet 6 inches high.

Section 105.3.2 of Chapter 1 of the CBC is amended to read as follows:

105.3.2 Expiration of Plan Check.

An application for a permit for any proposed work is deemed abandoned 12 months after the application date. Unless otherwise provided, after expiration of the application, the City will not issue a permit until the plans are rechecked and approved and a new fee is paid.

Exception: The Building Official may grant extensions of time for additional periods not exceeding 90 days each if a permit applicant submits in writing sufficient evidence that unusual conditions or circumstances precluded the securing of the permit within the allocated time.

Section 105.8 Chapter 1 of the CBC is added to read as follows:

105.8 Responsibility of permittee.

Building permits shall be presumed by the city to incorporate all of the work that the applicant, the applicant's agent, employees and/or contractors shall carry out. Said proposed work shall be in accordance with the approved plans and with all requirements of this code and any other laws or regulations applicable thereto. No city approval shall relieve or exonerate any person from the responsibility of complying with the provisions of this code nor shall any vested rights be created for any work performed in violation of this code.

Section 109.4 of Chapter 1 of the CBC is amended to read as follows:

109.4 Work commencing before permit issuance.

Any person who commences any work on a building, structure, electrical, gas, mechanical or plumbing system before obtaining the necessary permits shall be subject to a fee in addition to the normally established permit fee, equal to 100% of such normally established permit fee, or as otherwise determined by the building official.

Section 109.6.1 of Chapter 1 of the CBC is added to read as follows:

109.6.1 Plan check fees refund.

No portion of the plan check fee shall be refunded unless plan review has not been performed, in which case 80 percent of the plan check fee shall be refunded upon written application for refund submitted by the person who made original payment of such fee and with the written consent of the owner of the real property on which the work was proposed to be done. The Building Official shall determine, in such official's discretion, whether an applicant is qualified to receive a refund. After 180

days have elapsed from the date of the submittal for plan check, no plan check fees shall be refunded. In the event subsequent application for plan check is made by a person who has received a refund, the full amount of all required fees shall be paid as elsewhere provided in this chapter.

Section 109.6.2 of Chapter 1 of the CBC is added to read as follows

109.6.2 Permit fees refund.

In the event any person shall have obtained a building permit and no portion of the work or construction covered by such permit shall have commenced, nor any inspection performed by any City employee, and notice of abandonment has been received from the owner of the real property on which such work would have been performed, the permittee, upon presentation to the Building Official of a written request for refund, shall be entitled to a refund in an amount equal to 80 percent of the building permit fee actually paid for such permit. The Building Official shall determine, in such official's discretion, whether an applicant is qualified to receive a refund. After 12 months have elapsed from the date of the issuance of the permit, no permit fees shall be refunded. In the event subsequent application for a permit is made by a person who has received a refund, the full amount of all required fees shall be paid as elsewhere provided in this chapter.

Exception:

1. If a permit has been issued for a project located in an area outside the jurisdiction of the City, 100 percent of the permit and plan checking fee may be refunded.
2. If a duplicate permit has been erroneously issued, 100 percent of the duplicated permit and plan checking fee may be refunded.

Section 109.7 of Chapter 1 of the CBC is added to read as follows:

109.7 Re-inspections.

A re-inspection fee in the amount set by City Council resolution may be assessed for each inspection or re-inspection when such portion of work for which inspection is called is incomplete or when required corrections are not made. This section is not to be interpreted as requiring re-inspection fees the first time a job is rejected for failure to comply with the requirements of this code, but as controlling the practice of calling for inspections before the job is ready for such inspection or re-inspection. Re-inspection fees may be assessed when the inspection record card is not posted or otherwise available on the work site, the approved plans are not readily available to the inspector, for failure to provide access on the date for which inspection is requested, or for deviating from plans requiring the approval of the

building official. In instances where re-inspection fees have been assessed, no additional inspection of the work will be performed until required fees have been paid.

Section 110.1.1 of Chapter 1 of the CBC is added to read as follows:

110.1.1 Setback Certification required.

A California State licensed surveyor is required to certify the location and setbacks of all new construction prior to the first foundation inspection. A copy of the certification shall be available to the Building Division inspector for the job file prior to the first inspection.

Exception: Wherever there are practical difficulties involved in carrying out the provisions of this section, the Building Official shall have the authority to grant modifications for individual cases.

Section 113.3 of Chapter 1 of the CBC is amended to read as follows:

113.3 Board of Appeals.

The board of appeals consists of members of the Planning Commission. The term of a board of appeals member will coincide with the term of service as a Planning Commissioner and will terminate should the member cease serving as a Planning Commissioner. The building official is the secretary to the board. The board may adopt reasonable rules and regulations for conducting its investigations and will render all its decisions and findings on contested matters, in writing to the building official, with a duplicate copy for any appellant or contestant affected by such decision or finding, and may recommend to the city council appropriate new legislation.

Three members of the board constitute a quorum. The Planning Chairperson is the board's chairperson and in the chairperson's absence the board will select a temporary chairperson.

The city will assess a filing fee set by City Council resolution, or a higher amount set by resolution, at the time that an appellant file appeal of any order, decisions, or determination made by the building official relative to the application and interpretation of this code. The filing fee is refundable should the appellant prevail in a decision by the board. The appeal must be taken by filing a written notice of appeal, in letterform, to the board of appeals. The board's decision constitutes the city's final decision.

Section 113.4 of Chapter 1 of the CBC is added to read as follows:

113.4 Access Board of Appeals.

A. There shall be a Disability Access Board of Appeals (“Access Board of Appeals”) to consist of five members. Each member shall be appointed and hold office in accordance with procedures established by resolution of the City Council. Three of the five members shall be members of the Building Board of Appeals, and shall be co-appointed by the City Council to be a member of the Building Board of Appeals and the Access Board of Appeals. Two of the five members shall be “physically handicapped persons” (as defined by California Health and Safety Code Section 19957.5).

B. The Access Board of Appeals shall be considered a “standing committee” with a continuing subject matter jurisdiction. Thus, the Access Board of Appeals shall be subject to the requirements of the Brown Act (California Government Code Section 54950 et seq.); however, the Access Board of Appeals shall have no regular meetings, and all meetings shall be special meetings noticed pursuant to California Government Code Section 54956. The Access Board of Appeals shall conduct its meetings in accordance with procedures established by resolution of the City Council. The Access Board of Appeals may establish its own rules of procedure or by-laws consistent with City Council resolutions and ordinances.

C. Any person aggrieved by a determination made by the Building Official or Fire Code Official in administering or enforcing the portions of this chapter related to access to “public accommodations or facilities” (pursuant to California Health and Safety Code Section 19955, et seq.) may appeal the determination to the Access Board of Appeals. The appeal shall be filed with the Building Official no later than 10 days after receipt of written notice of the determination and the appeal provisions of this section. Upon receipt of an appeal by the Building Official, a hearing shall be scheduled before the Access Board of Appeals. The Access Board of Appeals shall consider relevant evidence presented at the hearing, and shall render a final written decision within a reasonably prompt time after conducting the hearing. The authority of the Access Board of Appeals to render a written decision shall be limited to the scope of authority of the Building Official, and the Access Board of Appeals shall have no authority to waive a requirement of this chapter.

D. Any person aggrieved by a decision of the Access Board of Appeals may request an administrative hearing within 10 days of the issuance of the final written decision. Any such request shall be made and heard in the same manner as an administrative hearing related to an administrative citation, in accordance with City of El Segundo Municipal Code.

E. Failure to timely request an appeal to the Access Board of Appeals (pursuant to subsection C), or to an administrative hearing officer (pursuant to subsection D)

constitutes a waiver of the hearing and a failure to exhaust administrative remedies.

F. Unless otherwise designated by the City Manager, the Building Official shall be the principal city staff liaison to the Access Board of Appeals, and the Building Official shall appoint a secretary to the Access Board of Appeals to comply with all procedural requirements related to the Brown Act.

G. The Building Official may request a special meeting of the Access Board of Appeals in order to request advisory comments from the Access Board of Appeals regarding issues related to this chapter, such as the potential adoption of new codes, proposed code changes, or alternate methods and materials.

Section 202 of Chapter 2 of the CBC, a new definition is added to read as follows:

MID-RISE BUILDING. A building four or more stories high, but not exceeding 75 feet in height and not defined as a high-rise building by section 202 of the California Building Code. Height measurements shall be made from the underside of the roof or floor above the topmost space that may be occupied to the lowest fire apparatus access road level.

Section 456 of Chapter 4 of the CBC is added to read as follows:

Section 456 Mid-Rise Buildings

The provisions of this section shall apply to buildings or structures defined in Section 202 as mid-rise buildings. All mid-rise buildings shall meet the requirements of Section 918 of the El Segundo Fire Code and any other applicable fire and life safety provisions.

Section 903.2 of Chapter 9 of the CBC is amended and Sections 903.2.1 through 903.2.21 are deleted, to read as follows:

903.2 Where Required

A. New Buildings. Unless otherwise prohibited by law, an approved automatic sprinkler system in new buildings and structures shall be required for all occupancies.

Exception: New detached buildings under one thousand (1,000) square feet subject to approval of the Building Official or Fire Official.

B. Existing Buildings. Unless otherwise prohibited by law, an approved automatic sprinkler system shall be required in all existing buildings where either one of the following conditions exist:

- (1) An addition and/or alteration is constructed which exceeds fifty (50) % of the square footage of the existing building, OR
- (2) An addition of more than one thousand (1,000) square feet is constructed.

Section 903.2.22 of Chapter 9 of the CBC is added to read as follows:

903.2.22 Structures in the Smoky Hollow Specific Plan Area. An automatic sprinkler system must be provided throughout every facility or building hereafter constructed within the Smoky Hollow Specific Plan Area.

903.2.22.1 Existing Buildings. Unless otherwise prohibited by law, an approved automatic sprinkler system shall be required in all existing buildings where either one of the following conditions exist:

- (1) An addition and/or alteration is constructed which exceeds fifty (50) % of the square footage of the existing building, OR
- (2) An addition of more than one thousand (1,000) square feet is constructed.

Section 903.3.5.3 of Chapter 9 of the CBC is added to read as follows:

903.3.5.3 Hydraulically calculated systems. The design of hydraulically calculated fire sprinkler systems shall not exceed 90% of the water supply capacity.

Section 903.3.8 of Chapter 9 of the CBC is deleted in its entirety and replaced to read as follows:

903.3.8 Limited Area Sprinkler Systems. When a fire sprinkler system is required, it shall be provided throughout the building.

Exception: Protection for specific appliances and/or hazards.

Section 903.3.9 of Chapter 9 of the CBC is amended to read as follows:

903.3.9 Floor Control Valves. Floor control valves and waterflow detection assemblies shall be installed at each floor where any of the following occur:

1. Buildings where the floor level of the highest story is located more than 30 feet above the lowest level of fire department vehicle access.
2. Buildings that are three or more stories in height.
3. Buildings that are two or more stories below the highest level of fire department access.

Exception: Group R-2 and R-3.1 occupancies floor control valves and water flow detection assemblies shall not be required.

Section 903.4.2 of Chapter 9 of the CBC is amended to read as follows:

903.4.2. Alarms. One exterior approved audible and visible device, located on the exterior of the building in an approved location, shall be connected to each automatic sprinkler system. Such sprinkler water-flow alarm device shall be activated by water flow equivalent to the flow of a single sprinkler of the smallest orifice size installed in the system. Where a fire alarm system is installed, actuation of the automatic sprinkler system shall actuate the building fire alarm system. Exterior audible and visible alarm notification shall be provided on NFPA 13, NFPA 13R and NFPA 13D systems.

Section 909.11 of Chapter 9 of the CBC is deleted in its entirety and replaced to read as follows:

909.11 General. The smoke-control system shall be supplied with two sources of power. Primary power shall be from the normal building power systems. Secondary power shall be from an approved standby source complying Section 1203 of this code. The standby power source and its transfer switches shall be in a room separate from the normal power transformers and switchgear and ventilated directly to and from the exterior. The room shall be enclosed with not less than 1-hour fire barriers constructed in accordance with Section 707 or horizontal assemblies constructed in accordance with Section 712, or both.

Transfer to full standby power shall be automatic and within 60 seconds of failure of the primary power. The systems shall comply with the City of El Segundo Electrical Code.

Exception: The secondary power is not required for pressurized enclosures in buildings of less than 5 floors used for human occupancy.

Section 1206.6 is added to Chapter 12 of the 2022 Edition of the CBC to read as follows:

1206.6: RESIDENTIAL NOISE INSULATION STANDARDS (Airport Noise Sources)

1206.6.01 Noise Insulation Requirements for New Construction.

1206.6.02 Purpose and Scope. The purpose of this section is to establish minimum noise insulation performance standards for new residential dwelling units and additions of habitable rooms to existing residential dwelling units to protect public health, safety, and welfare from the effects of excessive noise, including without limitation, indoor quality of life, speech interference, and sleep disruption.

1206.6.03 Applicability. This section applies to all newly constructed residences and habitable room additions to existing residence

1206.6.04 Definitions. For purposes of this section, the following words must have the following meaning:

"Community Noise Equivalent Level (CNEL)" means the noise measure defined in 21 Code of California Regulations § 5001(d), and any successor regulation or amendment.

"Habitable Room" means a room that is a space in a structure for living, sleeping, eating, or cooking. Bathrooms, toilet compartments, closets, halls, storage or utility space, garages, and similar areas are not considered habitable space.

"LAX" means Los Angeles International Airport. "Noise Impact Boundary for LAX" means the area around LAX as defined in 21 California code of regulations § 5001(1), and any successor regulation or amendment. The city's building safety department must at all times maintain a current map of the noise impact boundary. The latest published map by LAWA located at the Building Safety Counter shall be used as the basis for determination. "Residence" means any occupancy group R building as used in El Segundo title 13 of the El Segundo municipal code.

1206.6.05: Standards.

Any new residence or addition of one or more habitable rooms to an existing residence that is within the noise impact boundary for LAX must be designed to ensure that internal noise levels due to LAX do not exceed 45 dB CNEL. This standard may be satisfied in two ways: (1) by performing the acoustical analysis described in section 1206.6.06, below, or (2) by employing the prescribed construction methods described in section 1206.6.07, below.

1206.6.06: Acoustical Analysis.

A building permit application for a new residence or addition of one or more habitable rooms to an existing residence must comply with the minimum noise insulation performance standards established in this section if it includes an acoustical analysis demonstrating that the proposed design will ensure that internal noise levels due to LAX aircraft noise will not exceed 45 dB CNEL. The acoustical analysis shall be proven to meet the standard by providing post-construction/pre-occupancy acoustic measurement to verify compliance with the 45 dB CNEL standard. The Building Official has the discretion to implement policies that meet the intent of this code section.

A. The acoustical analysis must be prepared by a person experienced in the field of acoustical engineering. The analysis must consider and include: the topographical relationship between LAX aircraft noise sources and the dwelling site, the characteristics of those noise sources, predicted noise spectra and levels at the exterior of the dwelling site, the basis for this prediction (measured or obtained from published data), the noise insulation measures to be employed, and the effectiveness of the proposed noise insulation measures.

B. If the interior allowable noise levels are to be met by requiring that windows be unopenable or closed, the design for the structure must also specify a ventilation or air-conditioning system to provide a habitable interior environment, having at least 2 air exchanges per hour for the affected rooms. The ventilation system must not compromise the interior room noise reduction.

1206.6.07 Prescribed Construction Methods.

A building permit application for a new residence or addition of one or more habitable rooms to an existing residence must comply with the minimum noise insulation performance standards established in this section if the design incorporates the following construction methods.

Construction Methods in the 70 dB CNEL and Greater Noise Zone

1206.6.08 Exterior Walls.

New walls that form the exterior portion of habitable rooms must be constructed as follows:

A. Studs must be at least 4 inches in nominal depth.

B. Exterior finish must be stucco, minimum $\frac{7}{8}$ -inch thickness, brick veneer, masonry, or any siding material allowed by this code. Wood or metal siding must be installed over $\frac{1}{2}$ -inch minimum solid sheathing.

C. Masonry walls with a surface weight of less than 40 pounds per square foot must require an interior supporting stud-wall that is finished with at least $\frac{5}{8}$ -inch thick gypsum wall board or plaster.

D. Wall insulation must be at least R-11 glass fiber or mineral wool and must be installed continuously throughout the stud space.

E. Exterior solid sheathing must be covered with overlapping asphalt felt.

F. Interior wall finish must be at least $\frac{5}{8}$ -inch thick gypsum wall board or plaster.

1206.6.09 Exterior Windows.

A. Openable Windows: All openable windows in the exterior walls of habitable rooms must have a laboratory sound transmission class rating of at least STC 40 dB and must have an air infiltration rate of no more than 0.5 cubic feet per minute when tested according to ASTM E-283.

B. Fixed Windows: All fixed windows in the exterior walls of habitable rooms must:

1. Have a sound transmission class rating of at least STC 40 dB, or
2. Must be $\frac{5}{8}$ -inch laminated glass with STC rating of 40 dB and must be set in non-hardening glazing materials, or
3. Must be glass block at least $3\frac{1}{2}$ inches thick.

C. The total areas of glazing in rooms used for sleeping must not exceed 20% of the wall area.

1206.6.10 Exterior Doors.

A. Exterior hinged doors to habitable rooms that are directly exposed to aircraft noise and are facing the source of the noise must be a door and edge seal assembly that has a laboratory sound transmission class of at least STC 40 dB.

B. Exterior hinged doors to habitable rooms that are not directly exposed to aircraft noise and do not face the source of the noise must have a minimum STC rating of 35 dB.

C. Sliding glass doors in habitable rooms must not be allowed in walls that are directly exposed to aircraft noise. Sliding glass doors in walls that are not directly exposed must have an STC rating of at least 40 dB.

D. Access doors from attached garage to the interior of a residence must have an STC rating of at least 30 dB.

1206.6.11 Roof/Ceiling Construction.

A. Roof rafters must have a minimum slope of 4:12 and must be covered on their top surface with minimum $\frac{1}{2}$ -inch solid sheathing and any roof covering allowed by this code.

B. Attic insulation must be batt or blow-in glass fiber or mineral wool with a minimum R-30 rating applied between the ceiling joists.

C. Attic ventilation must be:

1. Gable vents or vents that penetrate the roof surface that are fitted with transfer ducts at least 6 feet in length that are insulating flexible ducting or metal ducts containing internal 1-inch thick coated fiberglass sound absorbing duct liner. Each duct must have a lined 90-degree bend in the duct so that there is no direct line of sight from the exterior through the duct into the attic, or

2. Noise control louver vents, or

3. Eave vents that are located under the eave overhang.

4. Ceilings must be finished with gypsum board or plaster that is at least $\frac{5}{8}$ -inch thick. Ceiling materials must be mounted on resilient channels.

5. Skylights must penetrate the ceiling by means of a completely enclosed light well that extends from the roof opening to the ceiling opening. A secondary openable glazing panel must be mounted at the ceiling line or at any point that provides at least a 4-inch space between the skylight glazing and the secondary glazing and must be glazed with at least $\frac{3}{16}$ -inch plastic or laminated glass. The weather-side skylight must be any type that is permitted by the building code. The size of skylights must be no more than 20 percent of the roof area of the room.

1206.6.12 Ventilation.

A. A ventilation system must be provided that will provide at least the minimum air circulation and fresh air supply requirements of this code in each habitable room without opening any window, door or other opening to the exterior. All concealed

ductwork must be insulated flexible glass fiber ducting that is at least 10 feet long between any two points of connection.

B. Kitchen cooktop vent hoods must be the non-ducted recirculating type with no ducted connection to the exterior.

1206.6.13 Fireplaces.

Each fireplace must be fitted with a damper at the top of the chimney that is operated from the firebox and must have glass doors across the front of the firebox.

1206.6.14 Wall and Ceiling Openings.

Openings in the shell of the residence that degrade its ability to achieve an interior CNEL rating of 45 dB or less when all doors and windows are closed are prohibited unless access panels, pet doors, mail delivery drops, air-conditioning, or other openings are designed to maintain the 45 dB CNEL (or less) standard in the room to which they provide access.

Construction Methods In The 65 dB CNEL To 70 dB CNEL Noise Zone

1206.6.15 Exterior Walls.

New walls that form the exterior portion of habitable rooms must be constructed as follows:

- A. Studs must be at least 4 inches in nominal depth.
- B. Exterior finish must be stucco, minimum $\frac{7}{8}$ -inch thickness, brick veneer, masonry, or any siding material allowed by this code. Wood or metal siding must be installed over $\frac{1}{2}$ -inch solid sheathing.
- C. Masonry walls with a surface weight of less than 40 pounds per square foot will require an interior studwall that is finished with at least $\frac{5}{8}$ -inch thick gypsum wallboard or plaster.
- D. Wall insulation must be at least R-11 glass fiber or mineral wool and must be installed continuously throughout the stud space.
- E. Exterior solid sheathing must be covered with overlapping asphalt felt.
- F. Interior wall finish must be at least $\frac{5}{8}$ -inch thick gypsum wallboard or plaster.

1206.6.16 Exterior Windows.

A. Openable Windows: All openable windows in the exterior walls of habitable rooms must have a laboratory sound transmission class rating of at least STC 35 dB and must have an air infiltration rate of no more than 0.5 cubic feet per minute when tested according to ASTM E-283.

B. Fixed Windows: All fixed windows in the exterior walls of habitable rooms must be at least 1/4-inch thick and must be set in non-hardening glazing materials.

C. The total area of glazing in rooms used for sleeping must not exceed 20% of the floor area.

1206.6.17 Exterior Doors.

A. Exterior hinged doors to habitable rooms that are directly exposed to aircraft noise and are facing the source of the noise must be a door and edge seal assembly that has a laboratory sound transmission class of at least STC 35 dB.

B. Exterior hinged doors to habitable rooms that are not directly exposed to aircraft noise and do not face the source of the noise must have a minimum STC rating of 30 dB

C. Sliding glass doors in habitable rooms must have glass that is 1/4-inch thick.

D. Access doors from a garage to a habitable room must have an STC rating of at least 30 dB.

1206.6.18 Roof/Ceiling Construction.

A. Roof rafters must have a minimum slope of 4:12 and must be covered on their top surface with minimum 1/2-inch solid sheathing and any roof covering allowed by this code

B. Attic insulation must be batt or blow-in glass fiber or mineral wool with a minimum R-30 rating applied between the ceiling joists.

C. Attic ventilation must be:

1. Gable vents or vents that penetrate the roof surface that are fitted with transfer ducts at least 6 feet in length that are insulating flexible ducting or metal ducts containing internal 1-inch thick coated fiberglass sound absorbing duct liner. Each duct must have a lined

90-degree bend in the duct so that there is no direct line of sight from the exterior through the duct into the attic, or

2. Noise control louver vents, or

3. Eave vents that are located under the eave overhang.

D. Ceilings must be finished with gypsum board or plaster that is at least $\frac{5}{8}$ -inch thick.

E. Skylights must penetrate the ceiling by means of a completely enclosed light well that extends from the roof opening to the ceiling opening. A secondary openable glazing panel must be mounted at the ceiling line and must be glazed with at least $\frac{3}{16}$ -inch plastic, tempered or laminated glass. The weather-side skylight must be any type that is permitted by the building code.

1206.6.19 Floors.

The floor of the lowest habitable rooms must be concrete slab on grade or wood framed floors.

1206.6.20 Ventilation.

A. A ventilation system must be provided that will provide at least the minimum air circulation and fresh air supply requirements of at least 2 air exchanges in each affected habitable room without opening any window, door or other opening to the exterior. All concealed ductwork must be insulated flexible glass fiber ducting that is at least 10 feet long between any two points of connection.

B. Kitchen cooktop vent hoods must be the non-ducted recirculating type with no ducted connection to the exterior.

1206.6.21 Fireplaces.

Each fireplace must be fitted with a damper at the top of the chimney that is operated from the firebox and must have glass doors across the front of the firebox.

1206.6.22 Wall and Ceiling Openings.

Openings in the shell of the residence that degrade its ability to achieve an interior CNEL rating of 45 dB or less when all doors and windows are closed are prohibited. Any access panels, pet doors, mail delivery drops, air-conditioning, or other openings must be designed to maintain the 45 dB CNEL or less standard in the room to which they provide access.

Section 1507.3.1 of the 2022 CBC is amended to read as follows:

1507.3.1 Deck requirements.

Concrete and clay tile shall be installed only over solid-structural sheathing boards.

Sections 1613.5 is added to Chapter 16 of the 2022 CBC to read as follows:

1613.5 Amendments to ASCE 7. The provisions of Section 1613.5 shall be permitted as an amendment to the relevant provisions of ASCE 7.

Section 1613.5.2 is added to Chapter 16 of the 2022 CBC to read as follows:

1613.5.2 Structural Separation.

Modify ASCE 7 Section 12.12.3 Equation 12.12-1 as follows:

$$\delta_M = \frac{C_d \delta_{max}}{I_e} \quad (12-12-1)$$

Section 1613.5.3 is added to Chapter 16 of the 2022 CBC to read as follows:

1613.5.3 Values for Vertical Combinations.

Modify ASCE 7 Section 12.2.3.1 Exception 3 as follows:

3. Detached one- and two-family dwellings up to two stories in height of light frame construction.

Section 1613.5.4 is added to Chapter 16 of the 2022 CBC to read as follows:

1613.5.4 Wood Diaphragms.

Modify ASCE 7 Section 12.11.2.2.3 as follows:

12.11.2.2.3 Wood Diaphragms.

The anchorage of concrete or masonry structural walls to wood diaphragms shall be in accordance with AWC SDPWS 4.1.5.1 and this section. In wood diaphragms, the continuous ties shall be in addition to the diaphragm sheathing. Anchorage shall not be accomplished by use of toe nails or nails subject to withdrawal nor shall wood ledgers or framing be used in cross-grain bending or cross-grain tension. The diaphragm sheathing shall not be considered effective as providing ties or struts required by this section.

For structures assigned to Seismic Design Category D, E or F, wood diaphragms supporting concrete or masonry walls shall comply with the following:

1. The spacing of continuous ties shall not exceed 40 feet. Added chords of diaphragms may be used to form subdiaphragms to transmit the anchorage forces to the main continuous crossties.
2. The maximum diaphragm shear used to determine the depth of the subdiaphragm shall not exceed 75% of the maximum diaphragm shear.

Section 1613.5.5 is added to Chapter 16 of the 2022 CBC to read as follows:

1613.5.5 Maximum S_{DS} Value in Determination of C_s and E_v .

Modify ASCE 7 Section 12.8.1.3 as follows:

12.8.1.3 Maximum S_{DS} Value in Determination of C_s and E_v .

The value of C_s and E_v are permitted to be calculated using a value of S_{DS} equal to 1.0 but not less than 70% of S_{DS} as defined in Section 11.4.4, provided that all of the following criteria are met:

1. The structure does not have irregularities, as defined in Section 12.3.2;
2. The structure does not exceed five stories above the lower of the base or grade plane as defined in Section 11.2, and, where present, each mezzanine level shall be considered a story for the purpose of this limit;
3. The structure has a fundamental period, T , that does not exceed 0.5 seconds, as determined using Section 12.8.2;
4. The structure meets the requirements necessary for the redundancy factor, ρ , to be permitted to be taken as 1.0, in accordance with Section 12.3.4.2;
5. The site soil properties are not classified as Site Classes E or F, as defined in Section 11.4.2; and

6. The structure is classified as Risk Category I or II, as defined in Section 1.5.1.

Section 1613.7 is added to Chapter 16 of the 2022 CBC to read as follows:

1613.7 Seismic Design Provisions for Hillside Buildings.

1613.7.1 Purpose.

The purpose of this section is to establish minimum regulations for the design and construction of new buildings and additions to existing buildings when constructing such buildings on or into slopes steeper than one unit vertical in three units horizontal (33.3%). These regulations establish minimum standards for seismic force resistance to reduce the risk of injury or loss of life in the event of earthquakes.

1613.7.2 Scope.

The provisions of this section shall apply to the design of the lateral-force-resisting system for hillside buildings at and below the base level diaphragm. The design of the lateral-force-resisting system above the base level diaphragm shall be in accordance with the provisions for seismic and wind design as required elsewhere in this division.

Exception: Non-habitable accessory buildings and decks not supporting or supported from the main building are exempt from these regulations.

1613.7.3 Definitions.

For the purposes of this section certain terms are defined as follows:

BASE LEVEL DIAPHRAGM is the floor at, or closest to, the top of the highest level of the foundation.

DIAPHRAGM ANCHORS are assemblies that connect a diaphragm to the adjacent foundation at the uphill diaphragm edge.

DOWNHILL DIRECTION is the descending direction of the slope approximately perpendicular to the slope contours.

FOUNDATION is concrete or masonry which supports a building, including footings, stem walls, retaining walls, and grade beams.

FOUNDATION EXTENDING IN THE DOWNHILL DIRECTION is a foundation running downhill and approximately perpendicular to the uphill foundation.

HILLSIDE BUILDING is any building or portion thereof constructed on or into a slope steeper than one unit vertical in three units horizontal (33.3%). If only a

portion of the building is supported on or into the slope, these regulations apply to the entire building.

PRIMARY ANCHORS are diaphragm anchors designed for and providing a direct connection as described in Sections 1613.7.5 and 1613.7.7.3 between the diaphragm and the uphill foundation.

SECONDARY ANCHORS are diaphragm anchors designed for and providing a redundant diaphragm to foundation connection, as described in Sections 1613.7.6 and 1613.7.7.4.

UPHILL DIAPHRAGM EDGE is the edge of the diaphragm adjacent and closest to the highest ground level at the perimeter of the diaphragm.

UPHILL FOUNDATION is the foundation parallel and closest to the uphill diaphragm edge.

1613.7.4 Analysis and Design.

1613.7.4.1 General.

Every hillside building within the scope of this section shall be analyzed, designed, and constructed in accordance with the provisions of this division. When the code-prescribed wind design produces greater effects, the wind design shall govern, but detailing requirements and limitations prescribed in this and referenced sections shall be followed.

1613.7.4.2 Base Level Diaphragm-Downhill Direction.

The following provisions shall apply to the seismic analysis and design of the connections for the base level diaphragm in the downhill direction.

1613.7.4.2.1 Base for Lateral Force Design Defined.

For seismic forces acting in the downhill direction, the base of the building shall be the floor at or closest to the top of the highest level of the foundation.

1613.7.4.2.2 Base Shear.

In developing the base shear for seismic design, the response modification coefficient (R) shall not exceed 5 for bearing wall and building frame systems. The total base shear shall include the forces tributary to the base level diaphragm including forces from the base level diaphragm.

1613.7.5 Base Shear Resistance-Primary Anchors.

1613.7.5.1 General.

The base shear in the downhill direction shall be resisted through primary anchors from diaphragm struts provided in the base level diaphragm to the foundation

1613.7.5.2 Location of Primary Anchors.

A primary anchor and diaphragm strut shall be provided in line with each foundation extending in the downhill direction. Primary anchors and diaphragm struts shall also be provided where interior vertical lateral-force-resisting elements occur above and in contact with the base level diaphragm. The spacing of primary anchors and diaphragm struts or collectors shall in no case exceed 30 feet (9144 mm).

1613.7.5.3 Design of Primary Anchors and Diaphragm Struts.

Primary anchors and diaphragm struts shall be designed in accordance with the requirements of Section 1613.7.8.

1613.7.5.4 Limitations.

The following lateral-force-resisting elements shall not be designed to resist seismic forces below the base level diaphragm in the downhill direction:

1. Wood structural panel wall sheathing,
2. Cement plaster and lath,
3. Gypsum wallboard, and
4. Tension only braced frames.

Braced frames designed in accordance with the requirements of Section 2205.2.1.2 may be used to transfer forces from the primary anchors and diaphragm struts to the foundation provided lateral forces do not induce flexural stresses in any member of the frame or in the diaphragm struts. Deflections of frames shall account for the variation in slope of diagonal members when the frame is not rectangular.

1613.7.6 Base Shear Resistance-Secondary Anchors.

1613.7.6.1 General.

In addition to the primary anchors required by Section 1613.7.5, the base shear in the downhill direction shall be resisted through secondary anchors in the uphill foundation connected to diaphragm struts in the base level diaphragm.

Exception: Secondary anchors are not required where foundations extending in the downhill direction spaced at not more than 30 feet (9144 mm) on center extend up to and are directly connected to the base level diaphragm for at least 70% of the diaphragm depth.

1613.7.6.2 Secondary Anchor Capacity and Spacing.

Secondary anchors at the base level diaphragm shall be designed for a minimum force equal to the base shear, including forces tributary to the base level diaphragm, but not less than 600 pounds per lineal foot (8.76 kN/m) based on Allowable Stress Design (ASD) levels. The secondary anchors shall be uniformly distributed along the uphill diaphragm edge and shall be spaced a maximum of 4 feet (1219 mm) on center.

1613.7.6.3 Design.

Secondary anchors and diaphragm struts shall be designed in accordance with Section 1613.7.8.

1613.7.7 Diaphragms below the Base Level-Downhill Direction.

The following provisions shall apply to the lateral analysis and design of the connections for all diaphragms below the base level diaphragm in the downhill direction.

1613.7.7.1 Diaphragm Defined.

Every floor level below the base level diaphragm shall be designed as a diaphragm.

1613.7.7.2 Design Force.

Each diaphragm below the base level diaphragm shall be designed for all tributary loads at that level using a minimum seismic force factor not less than the base shear coefficient.

1613.7.7.3 Design Force Resistance-Primary Anchors.

The design force described in Section 1613.7.7.2 shall be resisted through primary anchors from diaphragm struts provided in each diaphragm to the foundation. Primary anchors shall be provided and designed in accordance with the requirements and limitations of Section 1613.7.5.

1613.7.7.4 Design Force Resistance-Secondary Anchors.

1613.7.7.4.1 General.

In addition to the primary anchors required in Section 1613.7.7.3, the design force in the downhill direction shall be resisted through secondary anchors in the uphill foundation connected to diaphragm struts in each diaphragm below the base level.

Exception: Secondary anchors are not required where foundations extending in the downhill direction, spaced at not more than 30 feet (9144 mm) on center, extend up to and are directly connected to each diaphragm below the base level for at least 70% of the diaphragm depth.

1613.7.7.4.2 Secondary Anchor Capacity.

Secondary anchors at each diaphragm below the base level diaphragm shall be designed for a minimum force equal to the design force but not less than 300 pounds per lineal foot (4.38 kN/m) based on Allowable Stress Design (ASD) levels. The secondary anchors shall be uniformly distributed along the uphill diaphragm edge and shall be spaced a maximum of 4 feet (1219 mm) on center.

1613.7.7.4.3 Design.

Secondary anchors and diaphragm struts shall be designed in accordance with Section 1613.7.8.

1613.7.8 Primary and Secondary Anchorage and Diaphragm Strut Design.

Primary and secondary anchors and diaphragm struts shall be designed in accordance with the following provisions:

1. Fasteners. All bolted fasteners used to develop connections to wood members shall be provided with square plate washers at all bolt heads and nuts. Washers shall be minimum 0.229 inch by 3 inches by 3 inches (5.82 mm by 76 mm by 76 mm) in size. Nuts shall be tightened to finger tight plus one half (1/2) wrench turn prior to covering the framing.
2. Fastening. The diaphragm to foundation anchorage shall not be accomplished by the use of toenailing, nails subject to withdrawal, or wood in cross-grain bending or cross-grain tension.
3. Size of Wood Members. Wood diaphragm struts collectors, and other wood members connected to primary anchors shall not be less than 3 inch (76 mm) nominal width. The effects of eccentricity on wood members shall be evaluated as required per Item 9.
4. Design. Primary and secondary anchorage, including diaphragm struts, splices, and collectors shall be designed for 125% of the tributary force.
5. Allowable Stress Increase. The one-third allowable stress increase permitted under Section 1605.3.2 shall not be taken when the working (allowable) stress design method is used.
6. Steel Element of Structural Wall Anchorage System. The strength design forces for steel elements of the structural wall anchorage system, with the exception of anchor bolts and reinforcing steel, shall be increased by 1.4 times the forces otherwise required.
7. Primary Anchors. The load path for primary anchors and diaphragm struts shall be fully developed into the diaphragm and into the foundation. The foundation must be shown to be adequate to resist the concentrated loads from the primary anchors.

8. Secondary Anchors. The load path for secondary anchors and diaphragm struts shall be fully developed in the diaphragm but need not be developed beyond the connection to the foundation.

9. Symmetry. All lateral force foundation anchorage and diaphragm strut connections shall be symmetrical. Eccentric connections may be permitted when demonstrated by calculation or tests that all components of force have been provided for in the structural analysis or tests.

10. Wood Ledgers. Wood ledgers shall not be used to resist cross-grain bending or cross-grain tension.

1613.7.9 Lateral-Force-Resisting Elements Normal to the Downhill Direction.

1613.7.9.1 General.

In the direction normal to the downhill direction, lateral-force-resisting elements shall be designed in accordance with the requirements of this section.

1613.7.9.2 Base Shear.

In developing the base shear for seismic design, the response modification coefficient (R) shall not exceed 5 for bearing wall and building frame systems.

1613.7.9.3 Vertical Distribution of Seismic Forces. For seismic forces acting normal to the downhill direction the distribution of seismic forces over the height of the building using Section 12.8.3 of ASCE 7 shall be determined using the height measured from the top of the lowest level of the building foundation.

1613.7.9.4 Drift Limitations.

The story drift below the base level diaphragm shall not exceed 0.007 times the story height at strength design force level. The total drift from the base level diaphragm to the top of the foundation shall not exceed 3/4 inch (19 mm). Where the story height or the height from the base level diaphragm to the top of the foundation varies because of a stepped footing or story offset, the height shall be measured from the average height of the top of the foundation. The story drift shall not be reduced by the effect of horizontal diaphragm stiffness.

1613.7.9.5 Distribution of Lateral Forces

1613.7.9.5.1 General.

The design lateral force shall be distributed to lateral-force-resisting elements of varying heights in accordance with the stiffness of each individual element.

1613.7.9.5.2 Wood Structural Panel Sheathed Walls.

The stiffness of a stepped wood structural panel shear wall may be determined by dividing the wall into adjacent rectangular elements, subject to the same top of wall

deflection. Deflections of shear walls may be estimated by AWC SDPWS Section 4.3.2. Sheathing and fastening requirements for the stiffest section shall be used for the entire wall. Each section of wall shall be anchored for shear and uplift at each step. The minimum horizontal length of a step shall be 8 feet (2438 mm) and the maximum vertical height of a step shall be 2 feet 8 inches (813 mm).

1613.7.9.5.3 Reinforced Concrete or Masonry Shear Walls.

Reinforced concrete or masonry shear walls shall have forces distributed in proportion to the rigidity of each section of the wall.

1613.7.9.6 Limitations.

The following lateral force-resisting-elements shall not be designed to resist lateral forces below the base level diaphragm in the direction normal to the downhill direction:

1. Cement plaster and lath,
2. Gypsum wallboard, and
3. Tension-only braced frames.

Braced frames designed in accordance with the requirements of Section 2205.2.1.2 of this Code may be designed as lateral-force-resisting elements in the direction normal to the downhill direction, provided lateral forces do not induce flexural stresses in any member of the frame. Deflections of frames shall account for the variation in slope of diagonal members when the frame is not rectangular.

1613.7.10 Specific Design Provisions.

1613.7.10.1 Footings and Grade Beams.

All footings and grade beams shall comply with the following:

1. Grade beams shall extend at least 12 inches (305 mm) below the lowest adjacent grade and provide a minimum 24 inch (610 mm) distance horizontally from the bottom outside face of the grade beam to the face of the descending slope.
2. Continuous footings shall be reinforced with at least two No. 4 reinforcing bars at the top and two No. 4 reinforcing bars at the bottom.
3. All main footing and grade beam reinforcement steel shall be bent into the intersecting footing and fully developed around each corner and intersection.
4. All concrete stem walls shall extend from the foundation and reinforced as required for concrete or masonry walls.

1613.7.10.2 Protection against Decay and Termites.

All wood to earth separation shall comply with the following:

1. Where a footing or grade beam extends across a descending slope, the stem wall, grade beam, or footing shall extend up to a minimum 18 inches (457 mm) above the highest adjacent grade.

Exception: At paved garage and doorway entrances to the building, the stem wall need only extend to the finished concrete slab, provided the wood framing is protected with a moisture proof barrier.

2. Wood ledgers supporting a vertical load of more than 100 pounds per lineal foot (1.46 kN/m) based on Allowable Stress Design (ASD) levels and located within 48 inches (1219 mm) of adjacent grade are prohibited. Galvanized steel ledgers and anchor bolts, with or without wood nailers, or treated or decay resistant sill plates supported on a concrete or masonry seat, may be used.

1613.7.10.3 Sill Plates.

All sill plates and anchorage shall comply with the following:

1. All wood framed walls, including nonbearing walls, when resting on a footing, foundation, or grade beam stem wall, shall be supported on wood sill plates bearing on a level surface.
2. Power-driven fasteners shall not be used to anchor sill plates except at interior nonbearing walls not designed as shear walls.

1613.7.10.4 Column Base Plate Anchorage.

The base of isolated wood posts (not framed into a stud wall) supporting a vertical load of 4,000 pounds (17.8 kN) based on Allowable Stress Design (ASD) levels or more and the base plate for a steel column shall comply with the following:

1. When the post or column is supported on a pedestal extending above the top of a footing or grade beam, the pedestal shall be designed and reinforced as required for concrete or masonry columns. The pedestal shall be reinforced with a minimum of four No. 4 bars extending to the bottom of the footing or grade beam. The top of exterior pedestals shall be sloped for positive drainage.

2. The base plate anchor bolts or the embedded portion of the post base, and the vertical reinforcing bars for the pedestal, shall be confined with two No. 4 or three No. 3 ties within the top 5 inches (127 mm) of the concrete or masonry pedestal. The base plate anchor bolts shall be embedded a minimum of 20 bolt diameters into the concrete or masonry pedestal. The

base plate anchor bolts and post bases shall be galvanized and each anchor bolt shall have at least 2 galvanized nuts above the base plate.

1613.7.10.5 Steel Beam to Column Supports.

All steel beam to column supports shall be positively braced in each direction. Steel beams shall have stiffener plates installed on each side of the beam web at the column. The stiffener plates shall be welded to each beam flange and the beam web. Each brace connection or structural member shall consist of at least two 5/8 inch (15.9 mm) diameter machine bolts.

Section 1613.8 is added to Chapter 16 of the 2022 CBC to read as follows:

1613.8 Suspended Ceilings.

Minimum design and installation standards for suspended ceilings shall be determined in accordance with the requirements of Section 2506.2.1 of this Code and this section.

1613.8.1 Scope.

This part contains special requirements for suspended ceilings and lighting systems. Provisions of Section 13.5.6 of ASCE 7 shall apply except as modified herein.

1613.8.2 General.

The suspended ceilings and lighting systems shall be limited to 6 feet (1828 mm) below the structural deck unless the lateral bracing is designed by a licensed engineer or architect.

1613.8.3 Sprinkler Heads.

All sprinkler heads (drops) except fire-resistance-rated floor/ceiling or roof/ceiling assemblies, shall be designed to allow for free movement of the sprinkler pipes with oversize rings, sleeves or adaptors through the ceiling tile. Sprinkler heads and other penetrations shall have a 2 inch (50mm) oversize ring, sleeve, or adapter through the ceiling tile to allow for free movement of at least 1 inch (25mm) in all horizontal directions. Alternatively, a swing joint that can accommodate 1 inch (25 mm) of ceiling movement in all horizontal directions is permitted to be provided at the top of the sprinkler head extension.

Sprinkler heads penetrating fire-resistance-rated floor/ceiling or roof/ceiling assemblies shall comply with Section 714 of this Code.

1613.8.4 Special Requirements for Means of Egress.

Suspended ceiling assemblies located along means of egress serving an occupant load of 30 or more shall comply with the following provisions.

1613.8.4.1 General.

Ceiling suspension systems shall be connected and braced with vertical hangers attached directly to the structural deck along the means of egress serving an occupant load of 30 or more and at lobbies accessory to Group A Occupancies. Spacing of vertical hangers shall not exceed 2 feet (610 mm) on center along the entire length of the suspended ceiling assembly located along the means of egress or at the lobby.

1613.8.4.2 Assembly Device.

All lay-in panels shall be secured to the suspension ceiling assembly with two hold-down clips minimum for each tile within a 4-foot (1219 mm) radius of the exit lights and exit signs.

1613.8.4.3 Emergency Systems.

Independent supports and braces shall be provided for light fixtures required for exit illumination. Power supply for exit illumination shall comply with the requirements of Section 1008.3 of this Code.

1613.8.4.4 Supports for Appendage.

Separate support from the structural deck shall be provided for all appendages such as light fixtures, air diffusers, exit signs, and similar elements.

Section 1704.6 of the 2022 CBC is amended to read as follows:

1704.6 Structural Observations.

Where required by the provisions of Section 1704.6.1, the owner or the owner's authorized agent shall employ a structural observer to perform structural observations. Structural observation does not include or waive the responsibility for the inspections in Section 110 or the special inspections in Section 1705 or other sections of this code. The structural observer shall be one of the following individuals:

1. The registered design professional responsible for the structural design, or
2. A registered design professional designated by the registered design professional responsible for the structural design.

Prior to the commencement of observations, the structural observer shall submit to the building official a written statement identifying the frequency and extent of structural observations.

The owner or owner's authorized agent shall coordinate and call a preconstruction meeting between the structural observer, contractors, affected subcontractors and special inspectors. The structural observer shall preside over the meeting. The purpose of the meeting shall be to identify the major structural elements and connections that affect the vertical and lateral load resisting systems of the structure and to review scheduling of the required observations. A record of the meeting shall be included in the report submitted to the Building Official.

Observed deficiencies shall be reported in writing to the owner or owner's authorized agent, special inspector, contractor and the Building Official. Upon the form prescribed by the Building Official, the structural observer shall submit to the Building Official a written statement at each significant construction stage stating that the site visits have been made and identifying any reported deficiencies which, to the best of the structural observer's knowledge, have not been resolved. A final report by the structural observer which states that all observed deficiencies have been resolved is required before acceptance of the work by the Building Official.

Section 1704.6.1 of the 2022 CBC is amended to read as follows:

1704.6.1 Structural observations for seismic resistance.

Structural observations shall be provided for those structures assigned to Seismic Design Category D, E or F, where one or more of the following conditions exist:

1. The structure is classified as Risk Category III or IV in accordance with Table 1604.5.
2. The height of the structure is greater than 75 feet (22860 mm) above the base.
3. The structure is classified as Risk Category I or II in accordance with Table 1604.5, and a lateral design is required for the structure or portion thereof.

Exception: One-story wood framed Group R-3 and Group U Occupancies less than 2,000 square feet in area, provided the adjacent grade is not steeper than 1 unit vertical in 10 units horizontal (10% sloped), assigned to Seismic Design Category D.

4. When so designated by the registered design professional responsible for the structural design.
5. When such observation is specifically required by the building official.

Section 1705.3 of the 2022 CBC is amended to read as follows:

1705.3 Concrete Construction.

The special inspections and tests for concrete construction shall be performed in accordance with this section and Table 1705.3.

Exceptions: Special inspections and tests shall not be required for:

1. Isolated spread concrete footings of buildings three stories or less above grade plane that are fully supported on earth or rock, where the structural design of the footing is based on a specified compressive strength, f'_c , no greater than 2,500 pounds per square inch (psi) (17.2 Mpa) regardless of the compressive strength specified in the construction documents or used in the footing construction.
2. Continuous concrete footings supporting walls of buildings three stories or less above grade plane that are fully supported on earth or rock where:
 - 2.1. The footings support walls of light-frame construction;
 - 2.2. The footings are designed in accordance with Table 1809.7; or
 - 2.3. The structural design of the footing is based on a specified compressive strength, f'_c , no greater than 2,500 pounds per square inch (psi) (17.2 Mpa), regardless of the compressive strength specified in the construction documents or used in the footing construction.
3. Nonstructural concrete slabs supported directly on the ground, including prestressed slabs on grade, where the effective prestress in the concrete is less than 150 psi (1.03 Mpa).
 - 1.1 Concrete patios, driveways and sidewalks, on grade.

Exception 3 of Section 1705.13 of the 2022 CBC is amended to read as follows:

1705.13 Special inspections for seismic resistance.

Special inspections for seismic resistance shall be required as specified in Sections 1705.13.1 through 1705.13.9, unless exempted by the exceptions of Section 1704.2.

Exception: The special inspections specified in Sections 1705.13.1 through 1705.13.9 are not required for structures designed and constructed in accordance with one of the following:

1. The structure consists of light-frame construction; the design spectral response acceleration at short periods, S_{DS} , as determined in Section 1613.2.4, does not exceed 0.5; and the building height of the structure does not exceed 35 feet (10 668 mm)

2. The seismic force-resisting system of the structure consists of reinforced masonry or reinforced concrete; the design spectral response acceleration at short periods, S_{DS} , as determined in Section 1613.2.4, does not exceed 0.5; and the building height of the structure does not exceed 25 feet (7620 mm)
3. The structure is a detached one- or two-family dwelling not exceeding two stories above grade plane, is not assigned to Seismic Design Category D, E or F and does not have any of the following horizontal or vertical irregularities in accordance with Section 12.3 of ASCE 7:
 - 3.1 Torsional or extreme torsional irregularity.
 - 3.2 Nonparallel systems irregularity.
 - 3.3 Stiffness-soft story or stiffness-extreme soft story irregularity.
 - 3.4 Discontinuity in lateral strength-weak story irregularity.

Section 1807.1.4 of the 2022 CBC is amended to read as follows:

1807.1.4 Permanent wood foundation systems.

Permanent wood foundation systems shall be designed and installed in accordance with AWC PWF. Lumber and plywood shall be treated in accordance with AWPA U1 (Commodity Specification A, Use Category 4B and Section 5.2) and shall be identified in accordance with Section 2303.1.9.1. Permanent wood foundation systems shall not be used for structures assigned to Seismic Design Category D, E or F.

Section 1807.1.6 of the 2022 CBC is amended to read as follows:

1807.1.6 Prescriptive design of concrete and masonry foundation walls.

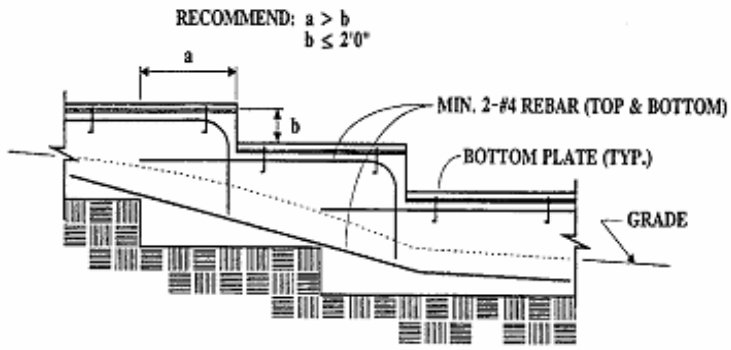
Concrete and masonry foundation walls that are laterally supported at the top and bottom shall be permitted to be designed and constructed in accordance with this section. Prescriptive design of foundation walls shall not be used for structures assigned to Seismic Design Category D, E or F.

Section 1809.3 of the 2022 CBC is amended to read as follows:

1809.3 Stepped footings.

The top surface of footings shall be level. The bottom surface of footings shall be permitted to have a slope not exceeding one unit vertical in 10 units horizontal (10-percent slope). Footings shall be stepped where it is necessary to change the elevation of the top surface of the footing or where the surface of the ground slopes more than one unit vertical in 10 units horizontal (10-percent slope).

For structures assigned to Seismic Design Category D, E or F, the stepping requirement shall also apply to the top surface of grade beams supporting walls. Footings shall be reinforced with four No. 4 bars. Two bars shall be placed at the top and bottom of the footings as shown in Figure 1809.3.



STEPPED FOUNDATIONS

FIGURE 1809.3 - STEPPED FOOTING

Section 1809.7 and Table 1809.7 of the 2022 CBC are amended to read as follows:

1809.7 Prescriptive footings for light-frame construction.

Where a specific design is not provided, concrete or masonry-unit footings supporting walls of light-frame construction shall be permitted to be designed in accordance with Table 1809.7. Prescriptive footings in Table 1809.7 shall not exceed one story above grade plane for structures assigned to Seismic Design Category D, E or F.

TABLE 1809.7
PRESCRIPTIVE FOOTINGS SUPPORTING WALLS OF
LIGHT-FRAME CONSTRUCTION a, b, c, d, e

NUMBER OF FLOORS SUPPORTED BY THE FOOTING ^f	WIDTH OF FOOTING (inches)	THICKNESS OF FOOTING (inches)
1	12	6
2	15	6
3	18	8 ^g

For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm

- a. Depth of footings shall be in accordance with Section 1809.4.
- b. The ground under the floor shall be permitted to be excavated to the elevation of the top of the footing.
- c. Not Adopted.
- d. See Section 1908 for additional requirements for concrete footings of structures assigned to Seismic Design Category C, D, E or F.
- e. For thickness of foundation walls, see Section 1807.1.6.
- f. Footing shall be permitted to support a roof addition to the stipulated number of floors. Footings supporting roof only shall be as required for supporting one floor.
- g. Not Adopted

Section 1809.12 of the 2022 CBC is amended to read as follows:

1809.12 Timber footings.

Timber footings shall be permitted for buildings of Type V construction and as otherwise approved by the building official. Such footings shall be treated in accordance with AWP A U1 (Commodity Specification A, Use Category 4B). Treated timbers are not required where placed entirely below permanent water level, or where used as capping for wood piles that project above the water level over submerged or marsh lands. The compressive stresses perpendicular to grain in untreated timber footing supported upon treated piles shall not exceed 70 percent of the allowable stresses for the species and grade of timber as specified in the ANSI/AWC NDS. Timber footings shall not be used in structures assigned to Seismic Design Category D, E or F.

Section 1810.3.2.4 of the 2022 CBC is amended to read as follows:

1810.3.2.4 Timber.

Timber deep foundation elements shall be designed as piles or poles in accordance with ANSI/AWC NDS. Round timber elements shall conform to ASTM D 25. Sawn timber elements shall conform to DOC PS-20. Timber shall not be used in structures assigned to Seismic Design Category D, E or F.

Section 1905.1 of the 2022 CBC is amended to read as follows:

1905.1 General.

The text of ACI 318 shall be modified as indicated in Sections 1905.1.1 through 1905.1.11.

Section 1905.1.7 of the 2022 CBC is amended to read as follows:

1905.1.7 ACI 318, Section 14.1.4.

Delete ACI 318, Section 14.1.4, and replace with the following:

14.1.4 – Plain concrete in structures assigned to Seismic Design Category C, D, E or F.

14.1.4.1 – Structures assigned to Seismic Design Category C, D, E or F shall not have elements of structural plain concrete, except as follows:

(a) Concrete used for fill with a minimum cement content of two (2) sacks of Portland cement or cementitious material per cubic yard.

(b) Isolated footings of plain concrete supporting pedestals or columns are permitted, provided the projection of the footing beyond the face of the supported member does not exceed the footing thickness.

(c) Plain concrete footings supporting walls are permitted provided the footings have at least two continuous longitudinal reinforcing bars. Bars shall not be smaller than No. 4 and shall have a total area of not less than 0.002 times the gross cross-sectional area of the footing. A minimum of one bar shall be provided at the top and bottom of the footing. Continuity of reinforcement shall be provided at corners and intersections.

Exceptions:

Detached one- and two-family dwellings three stories or less in height and constructed with stud-bearing walls, are permitted to have plain concrete footings with at least two continuous longitudinal reinforcing bars not smaller than No. 4 are permitted to have a total area of less than 0.002 times the gross cross-sectional area of the footing.

Sections 1905.1.9 thru 1905.1.11 are added to the 2022 CBC to read as follows

1905.1.9 ACI 318, Section 18.7.5.

Modify ACI 318, Section 18.7.5, by adding Section 18.7.5.8 and 18.7.5.9 as follows:

18.7.5.8 Where the calculated point of contraflexure is not within the middle half of the member clear height, provide transverse reinforcement as specified in ACI 318 Sections 18.7.5.1, Items (a) through (c), over the full height of the member.

18.7.5.9 – At any section where the design strength, ϕP_n , of the column is less than the sum of the shears V_e computed in accordance with ACI 318 Sections 18.7.6.1 and 18.6.5.1 for all the beams framing into the column above the level under consideration, transverse reinforcement as specified in ACI 318 Sections 18.7.5.1 through 18.7.5.3 shall be provided. For beams framing into opposite sides of the column, the moment components are permitted to be assumed to be of opposite sign. For the determination of the design strength, ϕP_n , of the column, these moments are permitted to be assumed to result from the deformation of the frame in any one principal axis.

1905.1.10 ACI 318, Section 18.10.4.

Modify ACI 318, Section 18.10.4, by adding Section 18.10.4.7 as follows:

18.10.4.7 – Walls and portions of walls with $P_u > 0.35P_o$ shall not be considered to contribute to the calculated shear strength of the structure for resisting earthquake-induced forces. Such walls shall conform to the requirements of ACI 318 Section 18.14.

1905.1.11 ACI 318, Section 18.12.6.

Modify ACI 318, by adding Section 18.12.6.2 as follows:

18.12.6.2 Collector and boundary elements in topping slabs placed over precast floor and roof elements shall not be less than 3 inches (76 mm) or $6 d_b$ in thickness, where d_b is the diameter of the largest reinforcement in the topping slab.

Section 2304.10.2 of the 2022 CBC is amended to read as follows:

2304.10.2 Fastener requirements.

Connections for wood members shall be designed in accordance with the appropriate methodology in Section 2301.1. The number and size of fasteners connecting wood members shall not be less than that set forth in Table 2304.10.2. Staple fasteners in Table 2304.10.2 shall not be used to resist or transfer seismic forces in structures assigned to Seismic Design Category D, E or F.

Exception: Staples may be used to resist or transfer seismic forces when the allowable shear values are substantiated by cyclic testing and approved by the building official.

Section 2304.12.2.8 of the 2022 CBC is amended to read as follows:

2304.12.2.8 Wood used in retaining walls and cribs.

Wood installed in retaining or crib walls shall be preservative treated in accordance with AWWPA U1 for soil and fresh water use. Wood shall not be used in retaining or crib walls for structures assigned to Seismic Design Category D, E or F.

Section 2305.4 is added to Chapter 23 of the 2022 CBC to read as follows:

2305.4 Quality of Nails.

In Seismic Design Category D, E or F, mechanically driven nails used in wood structural panel shear walls shall meet the same dimensions as that required for hand-driven nails, including diameter, minimum length and minimum head diameter. Clipped head or box nails are not permitted in new construction. The

allowable design value for clipped head nails in existing construction may be taken at no more than the nail-head-area ratio of that of the same size hand-driven nails.

Section 2305.5 is added to Chapter 23 of the 2022 CBC to read as follows:

2305.5 Hold-down connectors.

In Seismic Design Category D, E or F, hold-down connectors shall be designed to resist shear wall overturning moments using approved cyclic load values or 75 percent of the allowable seismic load values that do not consider cyclic loading of the product. Connector bolts into wood framing shall require steel plate washers on the post on the opposite side of the anchorage device. Plate size shall be a minimum of 0.229 inch by 3 inches by 3 inches (5.82 mm by 76 mm by 76 mm) in size. Hold-down connectors shall be tightened to finger tight plus one half (1/2) wrench turn just prior to covering the wall framing.

Section 2306.2 of the 2022 CBC is amended to read as follows:

2306.2 Wood-frame diaphragms.

Wood-frame diaphragms shall be designed and constructed in accordance with AWC SDPWS. Where panels are fastened to framing members with staples, requirements and limitations of AWC SDPWS shall be met and the allowable shear values set forth in Table 2306.2(1) or 2306.2(2) shall only be permitted for structures assigned to Seismic Design Category A, B, or C.

Exception: Allowable shear values where panels are fastened to framing members with staples may be used if such values are substantiated by cyclic testing and approved by the building official.

The allowable shear values in Tables 2306.2(1) and 2306.2(2) are permitted to be increased 40 percent for wind design.

Wood structural panel diaphragms used to resist seismic forces in structures assigned to Seismic Design Category D, E or F shall be applied directly to the framing members.

Exception: Wood structural panel diaphragms are permitted to be fastened over solid lumber planking or laminated decking, provided the panel joints and lumber planking or laminated decking joints do not coincide.

Section 2306.3 of the 2022 CBC is amended to read as follows:

2306.3 Wood-frame shear walls.

Wood-frame shear walls shall be designed and constructed in accordance with AWC SDPWS. For structures assigned to Seismic Design Category D, E, or F, application of Tables 4.3A and 4.3B of AWC SDPWS shall include the following:

1. Wood structural panel thickness for shear walls shall not be less than 3/8 inch thick and studs shall not be spaced at more than 16 inches on center.
2. The maximum nominal unit shear capacities for 3/8 inch wood structural panels resisting seismic forces in structures assigned to Seismic Design Category D, E or F is 400 pounds per linear foot (plf).

Exception: Other nominal unit shear capacities may be permitted if such values are substantiated by cyclic testing and approved by the building official.

3. Nails shall be placed not less than 1/2 inch in from the panel edges and not less than 3/8 inch from the edge of the connecting members for shear greater than 350 plf using ASD or 500 plf using LRFD. Nails shall be placed not less than 3/8 inch from panel edges and not less than 1/4 inch from the edge of the connecting members for shears of 350 plf or less using ASD or 500 plf or less using LRFD.
4. Table 4.3B application is not allowed for structures assigned to Seismic Design Category D, E, or F.

For structures assigned to Seismic Design Category D, application of Table 4.3C of AWC SDPWS shall not be used below the top level in a multi-level building.

Where panels are fastened to framing members with staples, requirements and limitations of AWC SDPWS shall be met and the allowable shear values set forth in Table 2306.3(1), 2306.3(2) or 2306.3(3) shall only be permitted for structures assigned to Seismic Design Category A, B, or C.

Exception: Allowable shear values where panels are fastened to framing members with staples may be used if such values are substantiated by cyclic testing and approved by the building official.

The allowable shear values in Tables 2306.3(1) and 2306.3(2) are permitted to be increased 40 percent for wind design. Panels complying with ANSI/APA PRP-210 shall be permitted to use design values for Plywood Siding in the AWC SDPWS.

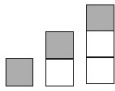
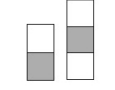
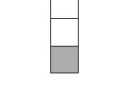
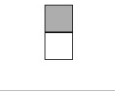
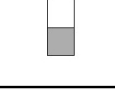
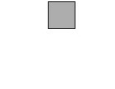
Section 2307.2 is added to the 2022 CBC to read as follows:

2307.2 Wood-frame shear walls.

Wood-frame shear walls shall be designed and constructed in accordance with Section 2306.3 as applicable.

Table 2308.6.1 of the 2022 CBC is amended to read as follows:

**TABLE 2308.6.1^a
WALL BRACING REQUIREMENTS**

SEISMIC DESIGN CATEGORY	STORY CONDITION (SEE SECTION 2308.2)	MAXIMUM SPACING OF BRACED WALL LINES	BRACED PANEL LOCATION, SPACING (O.C.) AND MINIMUM PERCENTAGE (X)			MAXIMUM DISTANCE OF BRACED WALL PANELS FROM EACH END OF BRACED WALL LINE
			Bracing method ^b			
			LIB	DWB, WSP	SFB, PBS, PCP, HPS, GB ^{c,d}	
A and B		35'- 0"	Each end and ≤ 25'- 0" o.c.	Each end and ≤ 25'- 0" o.c.	Each end and ≤ 25'- 0" o.c.	12'- 6"
		35'- 0"	Each end and ≤ 25'- 0" o.c.	Each end and ≤ 25'- 0" o.c.	Each end and ≤ 25'- 0" o.c.	12'- 6"
		35'- 0"	NP	Each end and ≤ 25'- 0" o.c.	Each end and ≤ 25'- 0" o.c.	12'- 6"
C		35'- 0"	NP	Each end and ≤ 25'- 0" o.c.	Each end and ≤ 25'- 0" o.c.	12'- 6"
		35'- 0"	NP	Each end and ≤ 25'- 0" o.c. (minimum 25% of wall length) ^e	Each end and ≤ 25'- 0" o.c. (minimum 25% of wall length) ^e	12'- 6"
D and E f, g, h		25'- 0"	NP	$S_{DS} < 0.50$: Each end and ≤ 25'- 0" o.c. (minimum 21% of wall length) ^e	$S_{DS} < 0.50$: Each end and ≤ 25'- 0" o.c. (minimum 43% of wall length) ^e	8'- 0"
				$0.5 \leq S_{DS} < 0.75$: Each end and ≤ 25'- 0" o.c. (minimum 32% of wall length) ^e	$0.5 \leq S_{DS} < 0.75$: Each end and ≤ 25'- 0" o.c. (minimum 59% of wall length) ^e	
				$0.75 \leq S_{DS} \leq 1.00$: Each end and ≤ 25'- 0" o.c. (minimum 37% of wall length) ^e	$0.75 \leq S_{DS} \leq 1.00$: Each end and ≤ 25'- 0" o.c. (minimum 75% of wall length)	
				$S_{DS} > 1.00$: Each end and ≤ 25'- 0" o.c. (minimum 48% of wall length) ^e	$S_{DS} > 1.00$: Each end and ≤ 25'- 0" o.c. (minimum 100% of wall length) ^e	

For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm.

NP = Not Permitted.

a. This table specifies minimum requirements for braced wall panels along interior or exterior braced wall lines.

b. See Section 2308.6.3 for full description of bracing methods.

c. For Method GB, gypsum wallboard applied to framing supports that are spaced at 16 inches on center.

d. The required lengths shall be doubled for gypsum board applied to only one face of a braced wall panel.

e. Percentage shown represents the minimum amount of bracing required along the building length (or wall length if the structure has an irregular shape).

f. DWB, SFB, PBS, and HPS wall braces are not permitted in Seismic Design Categories D or E.

g. Minimum length of panel bracing of one face of the wall for WSP sheathing shall be at least 4'-0" long or both faces of the wall for GB or PCP sheathing shall be at least 8'-0" long; h/v ratio shall not exceed 2:1. Wall framing to which sheathing used for bracing is applied shall be nominal 2 inch wide (actual 1 1/2 inch (38 mm) or larger members and spaced a maximum of 16 inches on center. Braced wall panel construction types shall not be mixed within a braced wall line.

h. WSP sheathing shall be a minimum of 15/32" thick nailed with 8d common placed 3/8 inches from panel edges and spaced not more than 6 inches on center and 12 inches on center along intermediate framing members.

Section 2308.6.5, Figure 2308.6.5.1, and Figure 2308.6.5.2 of the 2022 CBC are amended to read as follows:

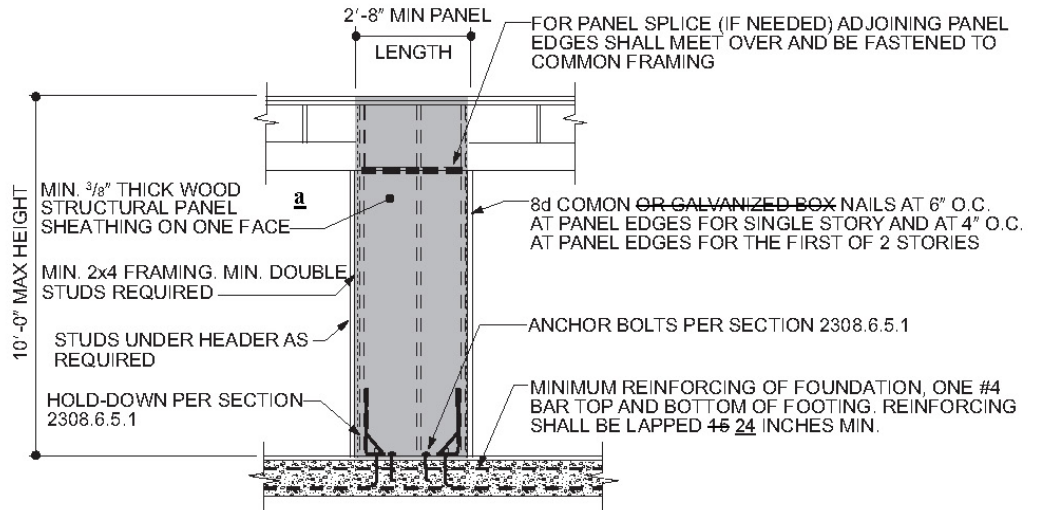
2308.6.5 Alternative bracing.

An alternate braced wall (ABW) or a portal frame with hold-downs (PFH) described in this section is permitted to substitute for a 48-inch (1219 mm) braced wall panel of Method DWB, WSP, SFB, PBS, PCP or HPS. For Method GB, each 96-inch (2438 mm) section (applied to one face) or 48-inch (1219 mm) section (applied to both faces) or portion thereof required by Table 2308.6.1 is permitted to be replaced by one panel constructed in accordance with Method ABW or PFH.

2308.6.5.1 Alternate braced wall (ABW).

An ABW shall be constructed in accordance with this section and Figure 2308.6.5.1. In one-story buildings, each panel shall have a length of not less than 2 feet 8 inches (813 mm) and a height of not more than 10 feet (3048 mm). Each panel shall be sheathed on one face with 3/8-inch (3.2 mm) minimum-thickness wood structural panel sheathing nailed with 8d common or galvanized box nails in accordance with Table 2304.10.2 and blocked at wood structural panel edges. For structures assigned to Seismic Design Category D or E, each panel shall be sheathed on one face with 15/32-inch-minimum-thickness (11.9 mm) wood structural panel sheathing nailed with 8d common nails spaced 3 inches on panel edges, 3 inches at intermediate supports. Two anchor bolts installed in accordance with Section 2308.3.1 shall be provided in each panel. Anchor bolts shall be placed at each panel outside quarter points. Each panel end stud shall have a hold-down device fastened to the foundation, capable of providing an approved uplift capacity of not less than 1,800 pounds (8006 N). The hold-down device shall be installed in accordance with the manufacturer's recommendations. The ABW shall be supported directly on a foundation or on floor framing supported directly on a foundation that is continuous across the entire length of the braced wall line. This foundation shall be reinforced with not less than one No. 4 bar top and bottom. Where the continuous foundation is required to have a depth greater than 12 inches (305 mm), a minimum 12-inch by 12-inch (305 mm by 305 mm) continuous footing is permitted at door openings in the braced wall line. This continuous footing shall be reinforced with not less than one No. 4 bar top and bottom. This reinforcement shall be lapped 24 inches (610 mm) with the reinforcement required in the continuous foundation located directly under the braced wall line.

Where the ABW is installed at the first story of two-story buildings, the wood structural panel sheathing shall be provided on both faces, three anchor bolts shall be placed at one-quarter points and tie-down device uplift capacity shall be not less than 3,000 pounds (13 344 N).



For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm.

a. For structures assigned to Seismic Design Category D or E, sheathed on one face with 15/32-inch-minimum-thickness (11.9 mm) wood structural panel sheathing.

**FIGURE 2308.6.5.1
ALTERNATE BRACED WALL PANEL (ABW)**

2308.6.5.2 Portal frame with hold-downs (PFH).

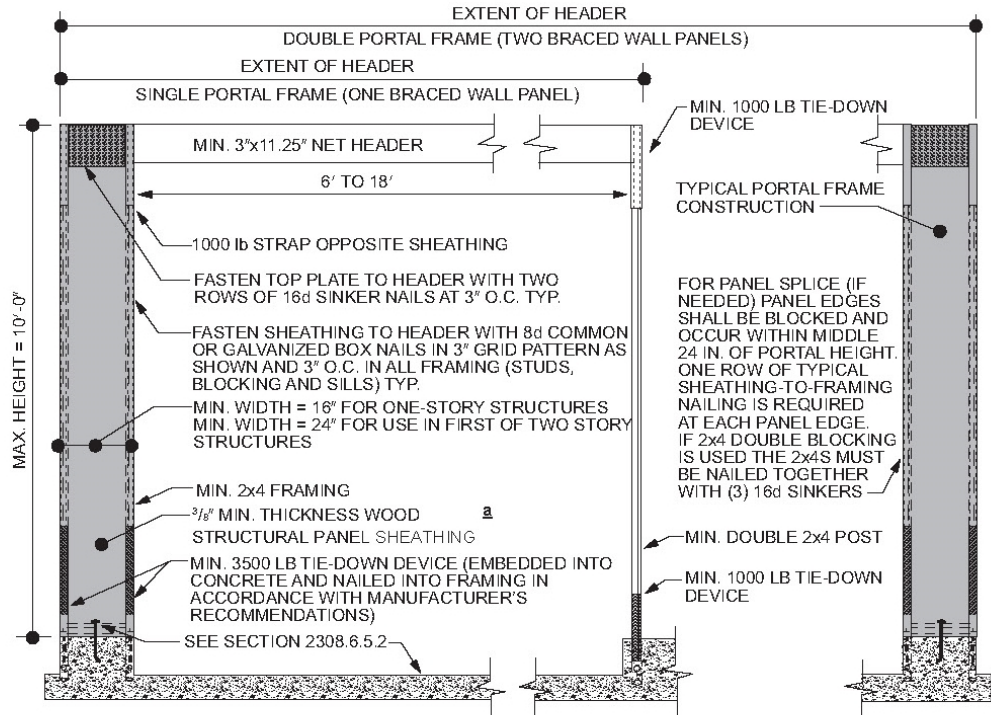
A PFH shall be constructed in accordance with this section and Figure 2308.6.5.2. The adjacent door or window opening shall have a full-length header.

In one-story buildings, each panel shall have a length of not less than 16 inches (406 mm) and a height of not more than 10 feet (3048 mm). Each panel shall be sheathed on one face with a single layer of 3/8-inch (9.5 mm) minimum-thickness wood structural panel sheathing nailed with 8d common or galvanized box nails in accordance with Figure 2308.6.5.2. For structures assigned to Seismic Design Category D or E, each panel shall be sheathed on one face with 15/32-inch-minimum-thickness (11.9 mm) wood structural panel sheathing nailed with 8d common nails spaced 3 inches on panel edges, 3 inches at intermediate supports and in accordance with Figure 2308.6.5.2. The wood structural panel sheathing shall extend up over the solid sawn or glued-laminated header and shall be nailed in accordance with Figure 2308.6.5.2. A built-up header consisting of at least two 2-inch by 12-inch (51 mm by 305 mm) boards, fastened in accordance with Item 24 of Table 2304.10.1 shall be permitted to be used. A spacer, if used, shall be placed on the side of the built-up beam opposite the wood structural panel sheathing. The header shall extend between the inside faces of the first full-length outer studs of each panel. The clear span of the header between the inner studs of each panel shall be not less than 6 feet (1829 mm) and not more than 18 feet (5486 mm) in length. A strap with an uplift capacity of not less than 1,000 pounds (4,400 N) shall fasten the header to the inner studs opposite the sheathing. One

anchor bolt not less than 5/8 inch (15.9 mm) diameter and installed in accordance with Section 2308.3.1 shall be provided in the center of each sill plate. The studs at each end of the panel shall have a hold-down device fastened to the foundation with an uplift capacity of not less than 3,500 pounds (15 570 N).

Where a panel is located on one side of the opening, the header shall extend between the inside face of the first full-length stud of the panel and the bearing studs at the other end of the opening. A strap with an uplift capacity of not less than 1,000 pounds (4400 N) shall fasten the header to the bearing studs. The bearing studs shall also have a hold-down device fastened to the foundation with an uplift capacity of not less than 1,000 pounds (4400 N). The hold-down devices shall be an embedded strap type, installed in accordance with the manufacturer's recommendations. The PFH panels shall be supported directly on a foundation that is continuous across the entire length of the braced wall line. This foundation shall be reinforced with not less than one No. 4 bar top and bottom. Where the continuous foundation is required to have a depth greater than 12 inches (305 mm), a minimum 12-inch by 12-inch (305 mm by 305 mm) continuous footing is permitted at door openings in the braced wall line. This continuous footing shall be reinforced with not less than one No. 4 bar top and bottom. This reinforcement shall be lapped not less than 24 inches (610 mm) with the reinforcement required in the continuous foundation located directly under the braced wall line.

Where a PFH is installed at the first story of two-story buildings, each panel shall have a length of not less than 24 inches (610 mm).



For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm, 1 pound = 4.448 N.

a. For structures assigned to Seismic Design Category D or E, sheathed on one face with 15/32-inch minimum thickness (11.9 mm) wood structural panel sheathing.

FIGURE 2308.6.5.2
PORTAL FRAME WITH HOLD-DOWNS (PFH)

Section 2308.6.8.1 of Chapter 23 of the 2022 CBC is amended to read as follows:

2308.6.8.1 Foundation requirements.

Braced wall lines shall be supported by continuous foundations.

Exception: For structures with a maximum plan dimension not more than 50 feet (15240 mm), continuous foundations are required at exterior walls only for structures assigned to Seismic Design Category A, B, or C.

For structures in Seismic Design Categories D and E, exterior braced wall panels shall be in the same plane vertically with the foundation or the portion of the structure containing the offset shall be designed in accordance with accepted engineering practice and Section 2308.1.1.

Section 2308.6.9 of the 2022 CBC is amended to read as follows:

2308.6.9 Attachment of sheathing.

Fastening of braced wall panel sheathing shall not be less than that prescribed in Tables 2308.6.1 or 2304.10.2. Wall sheathing shall not be attached to framing members by adhesives. Staple fasteners in Table 2304.10.2 shall not be used to resist or transfer seismic forces in structures assigned to Seismic Design Category D, E or F.

Exception: Staples may be used to resist or transfer seismic forces when the allowable shear values are substantiated by cyclic testing and approved by the building official.

All braced wall panels shall extend to the roof sheathing and shall be attached to parallel roof rafters or blocking above with framing clips (18 gauge minimum) spaced at maximum 24 inches (6096 mm) on center with four 8d nails per leg (total eight 8d nails per clip). Braced wall panels shall be laterally braced at each top corner and at maximum 24 inches (6096 mm) intervals along the top plate of discontinuous vertical framing.

Section 3115 of the 2022 CBC is amended as follows:

SECTION 3115

INTERMODAL SHIPPING CONTAINERS

3115.1 General. The provisions of Section 3115 and other applicable sections of this code shall apply to intermodal shipping containers that are repurposed for use as buildings or structures or as a part of buildings or structures.

Exceptions:

1. Not adopted
2. Stationary storage battery arrays located in intermodal shipping containers complying with Chapter 12 of the California Fire Code.
3. Intermodal shipping containers that are listed as equipment complying with the standard for equipment, such as air chillers, engine generators, modular datacenters, and other similar equipment.
4. Intermodal shipping containers housing or supporting experimental equipment are exempt from the requirements of Section 3115 provided they comply with all of the following:
 - 4.1. Single-unit stand-alone intermodal shipping containers shall be supported at grade level and used only for occupancies as specified under Risk Category I in Table 1604.5;
 - 4.2. Single-unit stand-alone intermodal shipping containers shall be located a minimum of 8 feet from adjacent structures and are not connected to a fuel gas system or fuel gas utility; and
 - 4.3. In hurricane-prone regions and flood hazard areas, single-unit stand-alone intermodal shipping containers are designed in accordance with the applicable provisions of Chapter 16.
 - 4.4 Intermodal shipping containers approved as temporary structures complying with Section 3103.
5. *[HCD] Shipping containers constructed or converted off-site that meet the definition of Factory-built Housing in Health and Safety Code Section 19971 or Commercial Modular(s) as defined in Health and Safety Code Section 18001.8 shall be approved by the Department of Housing and Community Development.*
6. Single-unit stand-alone intermodal shipping containers used as temporary storage or construction trailer on active construction sites. Construction support facilities for uses and activities not directly associated with the actual processes of construction, including but not limited to, offices, meeting rooms, plan rooms, other administrative or support functions shall not be exempt from Section 3115.

3115.2 Construction documents. The construction documents shall contain information to verify the dimensions and establish the physical properties of the steel components, and wood floor components, of the intermodal shipping container in addition to the information required by Sections 107 and 1603.

3115.3 Intermodal shipping container information. Intermodal shipping containers shall bear the manufacturer's existing data plate containing the following information as required by ISO 6346 and verified by an approved agency. A report of the verification process and findings shall be provided to the building owner.

1. Manufacturer's name or identification number
2. Date manufactured
3. Safety approval number
4. Identification number
5. Maximum operating gross mass or weight (kg) (lbs)
6. Allowable stacking load for 1.8G (kg) (lbs)
7. Transverse racking test force (Newtons)
8. Valid maintenance examination date

Where approved by the building official, the markings and manufacturer's existing data plate are permitted to be removed from the intermodal shipping containers before they are repurposed for use as buildings or structures or as part of buildings or structures.

3115.4 Protection against decay and termites. Wood structural floors of intermodal shipping containers shall be protected from decay and termites in accordance with the applicable provisions of Section 2304.12.1.1.

3115.5 Under-floor ventilation. The space between the bottom of the floor joists and the earth under any intermodal shipping container, except spaces occupied by basements and cellars, shall be provided with ventilation in accordance with Section 1202.4.

3115.6 Roof assemblies. Intermodal shipping container roof assemblies shall comply with the applicable requirements of Chapter 15.

Exception: Single-unit stand-alone intermodal shipping containers not attached to, or stacked vertically over, other intermodal shipping containers, buildings or structures.

3115.7 Joints and voids. Joints and voids that create concealed spaces between intermodal shipping containers, that are connected or stacked, at fire-resistance-

rated walls, floor or floor/ceiling assemblies and roofs or roof/ceiling assemblies shall be protected by an approved fire-resistant joint system in accordance with Section 715.

3115.8 Structural. Intermodal shipping containers that conform to ISO 1496-1 and are repurposed for use as buildings or structures, or as a part of buildings or structures, shall be designed in accordance with Chapter 16 and this section.

3115.8.1 Foundations and supports. Intermodal shipping containers repurposed for use as a permanent building or structure shall be supported on foundations or other supporting structures designed and constructed in accordance with Chapters 16 through 23.

3115.8.1.1 Anchorage. Intermodal shipping containers shall be anchored to foundations or other supporting structures as necessary to provide a continuous load path for all applicable design and environmental loads in accordance with Chapter 16.

3115.8.1.2 Stacking. Intermodal shipping containers used to support stacked units shall comply with Section 3115.8.4.

3115.8.2 Welds. The strength of new welds and connections shall be no less than the strength provided by the original connections. All new welds and connections shall be designed and constructed in accordance with Chapters 16, 17 and 22.

3115.8.3 Structural design. The structural design of the intermodal shipping containers repurposed for use as a building or structure, or as part of a building or structure, shall comply with Section 3115.8.4 or 3115.8.5.

3115.8.4 Detailed structural design procedure. A structural analysis meeting the requirements of this section shall be provided to the building official to demonstrate the structural adequacy of the intermodal shipping containers.

Exception: Structures using an intermodal shipping container that meet the limitation of Section 3115.8.5.1 and designed in accordance with the simplified procedure in Section 3115.8.5.

3115.8.4.1 Material properties. Structural material properties for existing intermodal shipping container steel components shall be established by Section 2202.

3115.8.4.2 Seismic design parameters. The seismic force-resisting system shall be designed and detailed in accordance with ASCE 7 and one of the following:

1. Where all or portions of the profiled steel panel elements are considered to be the seismic force-resisting system, design and detailing shall be in accordance with the AISI S100 and ASCE 7 Table 12.2-1 requirements for systems not

specifically detailed for seismic resistance, excluding cantilevered column systems.

2. Where all or portions of the profiled steel panel elements are not considered to be a part of the seismic force-resisting system, an independent seismic force-resisting system shall be selected, and detailed in accordance with ASCE 7 Table 12.2-1, or

3. Where all or portions of the profiled steel panel elements are retained and integrated into a seismic force-resisting system other than as permitted by Section 3115.8.4.2 Item 1, seismic design parameters shall be developed from testing and analysis in accordance with Section 104.11 and ASCE 7 Section 12.2.1.1 or 12.2.1.2.

3115.8.4.3 Allowable shear value. The allowable shear values for the profiled steel panel side walls and end walls shall be determined in accordance with the design approach selected in Section 3115.8.4.2. Where penetrations are made in the side walls or end walls designated as part of the lateral force-resisting system, the penetrations shall be substantiated by rational analysis.

3115.8.5 Simplified structural design procedure of single-unit containers. Single-unit intermodal shipping containers conforming to the limitations of Section 3115.8.5.1 shall be permitted to be designed in accordance with Sections 3115.8.5.2 and 3115.8.5.3.

3115.8.5.1 Limitations. Use of Section 3115.8.5 is subject to all the following limitations:

1. The intermodal shipping container shall be a single-unit, stand-alone unit supported on a foundation and shall not be in contact with or supporting any other shipping container or other structure.
2. The intermodal shipping container's top and bottom rails, corner castings, and columns or any portion thereof shall not be notched, cut, or removed in any manner.
3. The intermodal shipping container shall be erected in a level and horizontal position with the floor located at the bottom.
4. The intermodal shipping container shall be located in Seismic Design Category A, B, C, and D

3115.8.5.2 Simplified structural design assumptions. Where permitted by Section 3115.8.5.1, single-unit stand-alone, intermodal shipping containers shall be designed using the following assumptions for the profiled steel panel side walls and end walls:

1. The appropriate detailing requirements contained in Chapters 16 through 23.

2. Response modification coefficient, $R = 2$,
3. Over strength factor, $\Omega_0 = 2.5$.
4. Deflection amplification factor, $C_d = 2$, and
5. Limits on structural height, $h_n = 9.5$ feet (2900 mm).

3115.8.5.3 Allowable shear value. The allowable shear values for the profiled steel panel side walls (longitudinal) and end walls (transverse) for wind design and seismic design using the coefficients of Section 3114.8.5.2 shall be in accordance with Table 3115.8.5.3, provided that all of the following conditions are met:

1. The total linear length of all openings in any individual side walls or end walls shall be limited to not more than 50 percent of the length of that side walls or end walls, as shown in Figure 3115.8.5.3(1).

2. Any full height wall length, or portion thereof, less than 4 feet (305 mm) long shall not be considered as a portion of the lateral force-resisting system, as shown in Figure 3115.8.5.3(2).

3. All side walls or end walls used as part of the lateral force-resisting system shall have an existing or new boundary element on all sides to form a continuous load path, or paths, with adequate strength and stiffness to transfer all forces from the point of application to the final point of resistance, as shown in Figure 3115.8.5.3(3). The existing door interlocking mechanism shall not be considered as a component of the required load path.

4. Where openings are made in container walls, floors, and roofs for doors, windows and other similar openings:

- 4.1. The openings shall be framed with steel elements that are designed in accordance with Chapter 16 and Chapter 22.

- 4.2. The cross section and material grade of any new steel element shall be equal to or greater than the steel element removed.

5. A maximum of one penetration not greater than a 6-inch (152 mm) diameter hole for conduits, pipes, tubes or vents, or not greater than 16 square inches (10 322mm²) for electrical boxes, is permitted for each individual 8 feet length (2438 mm) lateral force resisting wall. Penetrations located in walls that are not part of the wall lateral force resisting system shall not be limited in size or quantity. Existing intermodal shipping container's vents shall not be considered a penetration, as shown in Figure 3115.8.5.3(4).

6. End wall door or doors designated as part of the lateral force-resisting system shall be intermittently welded closed around the full perimeters of the door panels.

TABLE 3115.8.5.3
ALLOWABLE SHEAR VALUES FOR PROFILED STEEL PANEL
SIDE WALLS AND END WALLS FOR WIND OR SEISMIC LOADING

CONTAINER DESIGNATION ^b	CONTAINER DIMENSION (Nominal Length)	CONTAINER DIMENSION (Nominal Height)	ALLOWABLE SHEAR VALUES (PLF) ^{a,c}	
			Side Wall	End Wall
1EEE	45 feet (13.7 M)	9.5 feet (2896 mm)	75	843
1EE		8.6 feet (2591 mm)		
1AAA	40 feet (12.2 M)	9.5 feet (2896 mm)	84	
1AA		8.5 feet (2592 mm)		
1A		8.0 feet (2438 mm)		
1AX		<8.0 feet (2483 mm)		
1BBB	30 feet (9.1 M)	9.5 feet (2896 mm)	112	
1BB		8.5 feet (2591 mm)		
1B		8.0 feet (2438 mm)		
1BX		<8.0 feet (2438 mm)		

1CC	20 feet (9.1 M)	8.5 feet (2591 mm)	168	
1C		8.0 feet (2438 mm)		
1CX		<8.0 feet (2438 mm)		

- a. The allowable strength-shear values for the side walls and end walls of the intermodal shipping containers are derived from ISO 1496-1 and reduced by a factor of safety of 5.
- b. Container designation type is derived from ISO 668.
- c. Limitations of Sections 3115.8.5.1 and 3115.8.5.3 shall apply.

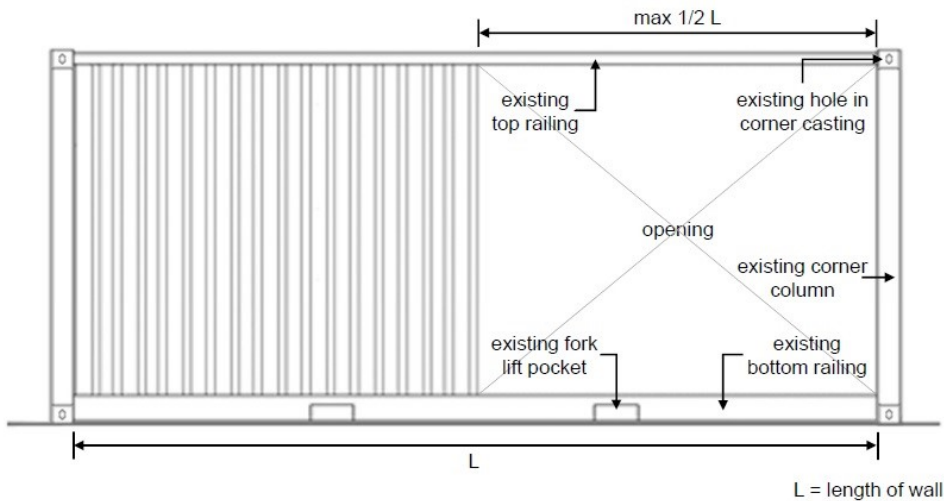


FIGURE 3115.8.5.3(1)
Bracing Unit Distribution – Maximum Linear Length

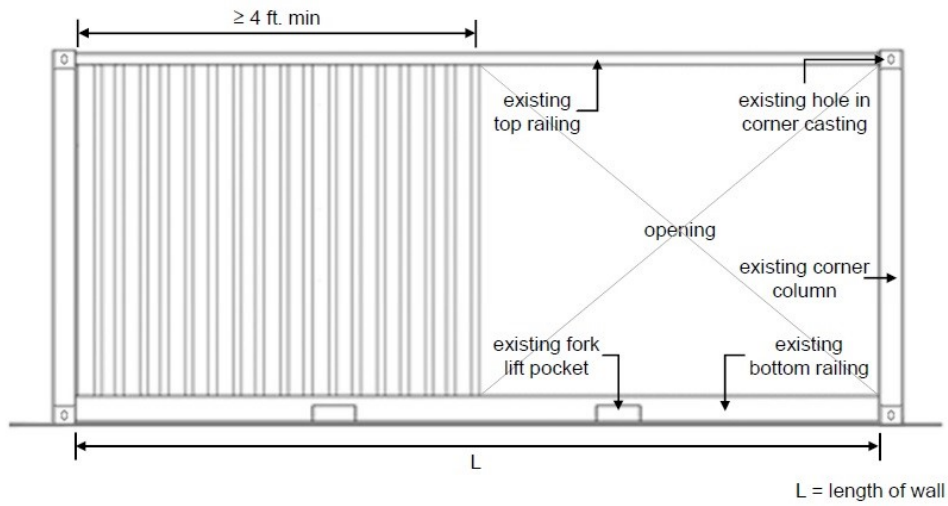


FIGURE 3115.8.5.3(2)
Bracing Unit Distribution – Minimum Linear Length

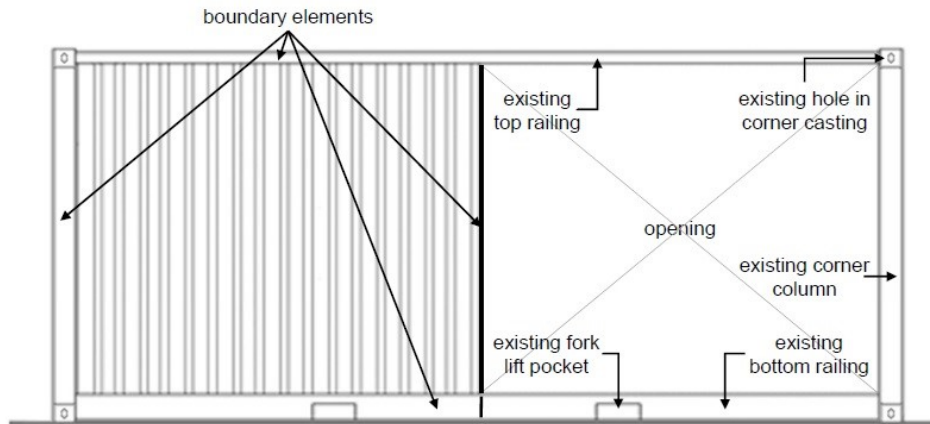


FIGURE 3115.8.5.3(3)
Bracing Unit Distribution – Boundary Elements

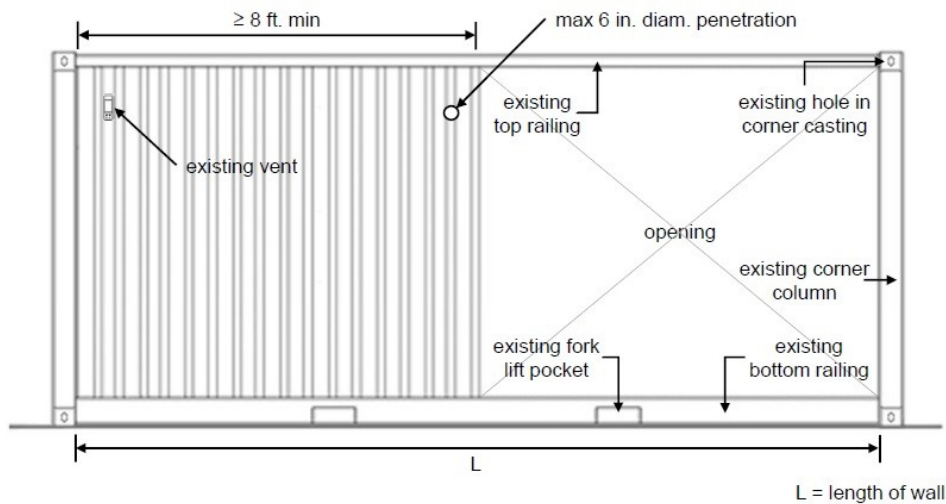


FIGURE 3115.8.5.3(4)

Bracing Unit Distribution – Penetrating Limitation

Section J101.3 is added to the 2022 CBC to read as follows:

J101.3 Hazards.

1. Whenever the building official determines that any land or any existing excavation or fill has, from any cause, become a menace to life or limb, or endangers public or private property, or adversely affects the safety, use or stability of public or private property, the owner or other person in legal control of the property concerned shall, upon receipt of a written notice thereof from the building official, correct such condition in accordance with the provisions of this appendix and the requirements and conditions set forth in the notice so as to eliminate such condition. The owner or other person in legal control of the property shall immediately comply with the provisions set forth in the notice and shall complete the work within 180 days from the date of the notice unless a shorter period of time for completion has been specified in the notice in which case the owner shall comply with the shorter period of time. Upon written application and good cause shown, the building official may approve the request for an extension of time to complete the work required by the notice.

2. If the above condition is not eliminated within the specified time period, the building official may file with the Office of the Los Angeles County Recorder a

certificate stating that the property is deemed substandard and that the owner thereof has been so notified to correct the substandard condition. Said certificate shall specify the conditions creating the substandard classification.

3. When the above conditions have been corrected to the satisfaction of the building official, upon receiving a sixty-dollar fee from the owner or his agent, the building official shall file with the Office of the Los Angeles County Recorder, within a reasonable period of time, a certificate specifying that the conditions creating the substandard classification have been corrected and that the property is no longer considered substandard.

Section J101.4 is added to the 2022 CBC to read as follows:

J101.4 Safety Precautions

1. General

- a) If at any stage of work on an excavation or fill, the building official determines that the work has become or is likely to become dangerous to any person, or is likely to endanger any property, public or private, the building official must be authorized to require safety precautions to be immediately taken by the property owner as a condition to continuing such permitted work or to require cessation thereof forthwith unless and until it is made safe and to amend the plans for such work.
- b) Safety precautions may include, without limitation, specifying a flatter exposed slope or construction of additional drainage facilities, berms, terracing, compaction, cribbing, retaining walls or buttress fills, slough walls, desilting basins, check dams, benching, wire mesh and guniting, rock fences, revetments or diversion walls.
- c) Upon the determination of the building official that such safety precautions during grading are necessary, the building official must provide a notice and order to the permittee to implement same. After receiving such notice, oral or written, it is unlawful for the permittee or any person to proceed with such work contrary to such order.

2. Removal of Ground Cover

- a) The existing vegetative ground cover of any watershed in any hillside area cannot be destroyed, removed or damaged except for routine maintenance pursuant to lawful grading, use or occupancy of the property or to clear hazardous vegetation near structures and roads.
- b) Whenever ground cover is removed or damaged pursuant to a validly issued grading permit, the permittee must restore and maintain the

affected area with an approved ground cover, or must accomplish such other erosion control protection measures as may be approved by the building official. Such erosion control must be completed within thirty days after cessation of the grading work or other work pursuant to a validly issued building permit.

3. Maintenance of Protective Devices

All devices used to protect hillside areas from erosion or landslide damage including, without limitation, retaining walls, cribbing, terracing, surface and subsurface drainage structures, interceptor drains, check dams, and riprap must be maintained in good condition and repair as approved by the building official at the time of completion of construction thereof.

Section J101.5 is added to the 2022 CBC to read as follows:

J101.5 Protection of Utilities

The owner and permittee of any property on which grading has been performed and that requires a grading permit must be responsible for the prevention of damage to any public utilities or services.

Section J101.6 is added to the 2022 CBC to read as follows:

J 101.6 Protection of Adjacent Properties

The owner and permittee of any property on which grading has been performed and that requires a grading permit is responsible for the prevention of damage to adjacent property and no person must excavate on land sufficiently close to the property line to endanger any adjoining public street, sidewalk, alley, or other public or private property without supporting and protecting such property from settling, cracking or other damage that might result. Special precautions approved by the building official must be made to prevent imported or exported materials from being deposited on the adjacent public way and/or drainage courses. A 30-day excavation notice must be provided as required by California Civil Code Section 829-834 when the excavation is of sufficient depth and proximity to adjacent lot structures.

Section J101.7 is added to the 2022 CBC to read as follows:

J101.7 Storm water control measures.

The owner and permittee of any property on which grading has been performed and that requires a grading permit under Section J103 shall put into effect and

maintain all precautionary measures necessary to protect adjacent water courses and public private property from damage by erosion, flooding, and deposition of mud, debris and construction-related pollutants originating from the site during, and after, grading and related construction activities. Furthermore, the owner and permittee shall be responsible for putting into effect and maintaining appropriate measures necessary to prevent any change in cross-lot surface drainage that may adversely affect any adjoining property as a result of grading and/or construction-related activities. Such measures to prevent any adverse cross-lot surface drainage effects on adjoining property shall be required whether shown on approved grading plans or not.

Section J101.8 is added to the 2022 CBC to read as follows:

J101.8 Conditions of approval.

In granting any permit under this code, the building official may include such conditions as may be reasonably necessary to prevent creation of a nuisance or hazard to public or private property. Such conditions may include, but

shall not be limited to:

1. Improvement of any existing grading to comply with the standards of this code.
2. Requirements for fencing of excavations or fills which would otherwise be hazardous.

Section J101.9 is added to the 2022 CBC to read as follows:

J101.9 Rules and regulations.

J101.9.1 Rules. The permissive provisions of this chapter shall not be presumed to waive any regulations imposed by other statutes or other ordinances of the State of California or the City of El Segundo.

J101.9.2 Regulations. If two or more pertinent regulations are not identical, those regulations shall prevail which are more restrictive or which afford greater safety to life, limb, health, property or welfare. For the purposes of these regulations, grading permits shall be considered as building permits and shall be subject to the administrative provisions of this code, unless otherwise specifically provided for in this chapter.

Section J103.2 is amended to the 2022 CBC to read as follows:

J103.2 Exemptions.

A grading permit shall not be required for the following:

1. When approved by the building official, grading in an isolated, self-contained area, provided there is no danger to the public, and that such grading will not adversely affect adjoining properties.
2. Excavation for construction of a structure permitted under this code where the excavation is limited to within the volume of the proposed structure.
3. Cemetery graves.
4. Refuse disposal sites controlled by other regulations.
5. Excavations for wells, or trenches for utilities.
6. Mining, quarrying, excavating, processing or stockpiling rock, sand, aggregate or clay controlled by other regulations, provided such operations do not affect the lateral support of, or significantly increase stresses in, soil and adjoining properties.
7. Exploratory excavations performed under the direction of a registered soils engineer or engineering geologist. This shall not exempt grading of access roads or pads created for exploratory excavations. Exploratory excavations must not create a hazardous condition to adjacent properties or the public in accordance with Section J101.3. Exploratory excavations must be restored to existing conditions, unless approved by the building official.
8. An excavation that does not exceed 50 cubic yards (38.3 m³) and complies with one of the following conditions:
 - (1) is less than 2 feet (0.6 m) in depth.
 - (2) does not create a cut slope greater than 5 feet (1.5 m) measured vertically upward from the cut surface to the surface of the natural grade and is not steeper than 2 units horizontal to 1 unit vertical (50 percent slope).
9. A fill not intended to support a structure, which does not obstruct a drainage course and complies with one of the following conditions:
 - (a) is less than 1 foot (0.3 m) in depth and is placed on natural terrain with a slope flatter than 5 units horizontal to 1 unit vertical (20 percent slope).
 - (b) is less than 3 feet (0.9 m) in depth at its deepest point measured vertically upward from natural grade to the surface of the fill, does

not exceed 50 cubic yards, and creates a fill slope no steeper than 2 units horizontal to 1 unit vertical (50 percent slope).

(c) is less than 5 feet (1.5 m) in depth at its deepest point measured vertically upward from natural grade to the surface of the fill, does not exceed 20 cubic yards, and creates a fill slope no steeper than 2 units horizontal to 1 unit vertical (50 percent slope).

Exemption from the permit requirements of this appendix shall not be deemed to grant authorization for any work to be done in any manner in violation of the provisions of this code or any other laws or ordinances of this jurisdiction.

Section J103.3 is added to the 2022 CBC to read as follows:

J103.3 Permit issuance.

1. The issuance of a grading permit shall constitute an authorization to do only that work which is described or illustrated on the application for the permit or on the grading plans and specifications approved by the building official at the time of issuance.
2. Jurisdiction of other agencies. Permits issued under the requirements of this chapter shall not relieve the owner of responsibility for securing required permits for work to be accomplished which is regulated by any other code, department or division of the governing agency.
3. Conditions of permit. The building official, upon recommendation of the city traffic and transportation administrator, may impose such regulations with respect to access routes to and from grading sites in hillside areas as the building official shall determine are required in the interest of safety precautions involving pedestrian or vehicular traffic.
4. Consent of adjacent property owner. Whenever any excavation or fill requires entry onto adjacent property for any reason, the permit applicant shall obtain the written consent or legal easements or other property rights of the adjacent property owner or their authorized representative, and shall file a signed and duly notarized copy of such consent with the building official, and no permit for such grading work may be issued unless and until all necessary consent documents are so filed. The consent shall be in a form acceptable to the building official.

Section J103.4 is added to the 2022 CBC to read as follows:

J103.4 Grading fees.

1. Fees for grading plan checks and for grading permits shall be established or modified by resolution of the city council. The schedule of such fees shall remain on file and be available in the office of the building official. The building official shall, with the approval of the city manager, recommend changes to the council when the costs to provide grading plan check and grading inspection services make it appropriate.
2. The applicant shall pay a plan check fee prior to acceptance of grading plans and specifications for checking by the city. The plan check fee shall be based on the total volume of the excavation and fill, on the site. The grading plan check fee shall be recalculated each time the grading plan volume of excavation and fill exceeds the volume used to determine the original plan check fee, and the applicant shall pay the difference between the revised and original fee before the revised grading plans are accepted for review by the city. The original grading plan check fee includes the cost to the applicant for the original submittal plus two additional submittals of corrected grading plans and specifications. When required by the building official, the applicant shall pay a supplemental grading plan check fee in accordance with the fee resolution established by the city council.
3. Whenever the applicant submits a grading plan for plan check that is substantially different in design of the earthwork as compared to previously submitted grading plans, the submittal shall be considered an original and a new grading plan check fee shall be determined and paid to the city as provided in this section.
4. The applicant shall pay a grading permit fee prior to the issuance of a grading permit by the city. The fee shall be based on the total volume of excavation and fill, on the site. If, during grading operations, the plans and specifications for the grading project are revised increasing the volume of excavation, fill, or a combination thereof above the volume that was used to determine the grading permit fee, the applicant shall pay to the city the difference between the original grading permit fee and the recalculated fee before work may resume under the grading permit.
5. Whenever grading operations are commenced without an approved grading permit; a penalty shall be added to all unpaid fees for grading plan check and grading permits. The penalty shall be three hundred percent of all fees due to the city.

Section J104.2.1 is added to the 2022 CBC to read as follows:

J104.2.1 Grading Designation.

Grading in hilly terrain and all grading in excess of 2,500 cubic yards shall be performed in accordance with the approved grading plan prepared by a registered civil engineer, and shall be designated as "engineered grading." Grading involving less than 2,500 cubic yards and not located in an area of mountainous terrain shall be designated as "regular grading" unless the permittee chooses to have the grading performed as engineered grading, or the building official determines that special conditions or unusual hazards exist, in which case grading shall conform to the requirements for engineered grading.

Section J104.2.2 is added to the 2022 CBC to read as follows:

J104.2.2 Regular grading requirements.

In addition to the provisions of Section 106, and Section 104.2, Chapter 1, Division II, an application for a regular grading permit shall be accompanied by plans in sufficient clarity to indicate the nature and extent of the work. The plans shall give the location of the work, the name of the owner, and the name of the person who prepared the plan. If the slope of the grade exceeds 3 units horizontal to 1 unit vertical or as required by the building official, the plans and specifications shall be prepared and signed by an individual licensed by the state to prepare such plans or specifications. The plan shall include the following information:

1. General vicinity of the proposed site.
2. Limits and depths of cut and fill.
3. Location of any buildings or structures where work is to be performed, and the location of any buildings or structures within 15 feet (4.6 m) of the proposed grading.
4. Contours, flow areas, elevations, or slopes which define existing and proposed drainage patterns.
5. Storm water provisions in accordance with the requirements of Appendix J and Title 5 Chapter 4 of the City of El Segundo Municipal Code.
6. Location of existing and proposed utilities, drainage facilities, and recorded public and private easements and use restricted use areas.
7. Location of all Special Flood Hazard Areas as designated and defined in Title 44, Code of Federal Regulations.

Section J104.2.3 is added to the 2022 CBC to read as follows:

J104.2.3 Engineered grading requirements.

In addition to the provisions of Chapter 1 Division II, Section 107 and Appendix J Section J 104.2, an application for an engineered grading permit shall be accompanied by plans and specifications, and supporting data consisting of a soils engineering report and engineering geology report. The plans and specifications shall be prepared and signed by an individual licensed by the state to prepare such plans or specifications when required by the building official. Specifications shall contain information covering structures and material requirements. Plans shall be drawn to scale and shall be of sufficient clarity to indicate the nature and extent of the work proposed and show in detail that it will conform to the provisions of this code and all relevant laws, ordinances, rules, and regulations. The first sheet of each set of plans shall give the location of the work, the name and address of the owner, and the person by whom they were prepared. The plans shall include, but shall not be limited to, the following information:

1. General vicinity of the proposed site.
2. Property limits and accurate contours of existing ground and details of terrain and area drainage.
3. Limiting dimensions, elevations, or finish contours to be achieved by the grading, proposed drainage channels, and related structures.
4. Detailed plans of all surface and subsurface drainage devices, walls, cribbing, dams and other protective devices to be constructed with, or as a part of, the proposed work. A map showing the drainage area and the estimated runoff of the area served by any drains shall also be provided.
5. Location of any existing or proposed buildings or structures on the property where the work is to be performed and the location of any buildings or structures on land of adjacent owners that are within 15 feet (4.6 m) of the property or that may be affected by the proposed grading operations.
6. Recommendations in the geotechnical engineering report and the engineering geology report shall be incorporated into the grading plans or specifications. When approved by the building official, specific recommendations contained in the geotechnical engineering report and the engineering geology report, that are applicable to grading, may be included by reference.
7. The dates of the geotechnical engineering and engineering geology reports together with the names, addresses, and telephone numbers of the firms or individuals who prepared the reports.
8. A statement of the earthwork quantities of materials to be excavated and/or filled. Earthwork quantities shall include quantities for geotechnical and geological remediation. In addition, a statement of material to be imported or exported from the site.

9. A statement of the estimated starting and completion dates for work covered by the permit.
10. A statement signed by the owner acknowledging that a field engineer, geotechnical engineer and engineering geologist, when appropriate, will be employed to perform the services required by this code, whenever approval of the plans and issuance of the permit are to be based on the condition that such professional persons be so employed. These acknowledgements shall be on a form furnished by the building official.
11. Storm water provisions are required to be shown on the grading plan in accordance with Appendix J Section J and Title 5 Chapter 4 of the ESMC.
12. A drainage plan for that portion of a lot or parcel to be utilized as a building site (building pad), including elevation of floors with respect to finish site grade and locations of existing and proposed stoops, slabs, fences or other features that may affect drainage.
13. Location and type of any existing or proposed private sewage disposal system.
14. Location of existing and proposed utilities, drainage facilities, and recorded public and private easements.
15. Location of all recorded floodways.
16. Location of all Special Flood Hazard Areas as designated and defined in Title 44, Code of Federal Regulations.

Section J109.5 is added to the 2022 CBC to read as follows:

J109.5 Disposal.

All drainage facilities shall be designed to carry waters to the nearest practicable street, storm drain, or natural watercourse drainage way approved by the building official or other appropriate governmental agency jurisdiction provided it is a safe place to deposit such waters. Erosion of ground in the area of discharge shall be prevented by installation of non-erosive down drains or other devices. Desilting basins, filter barriers or other methods, as approved by the building official, shall be utilized to remove sediments from surface waters before such waters are allowed to enter streets, storm drains, or natural watercourses. If the drainage device discharges onto natural ground, riprap or a similar energy dissipater may be required. Building pads shall have a minimum drainage gradient of 2 percent toward approved drainage facilities, a public street or drainage structure approved to receive storm waters unless waived by the building official. A lesser slope may be approved by the building official for sites graded in relatively flat terrain, or

where special drainage provisions are made, when the building official finds such modification will not result in unfavorable drainage conditions.

Section J113 is added to the 2022 CBC to read as follows:

SECTION J113

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) COMPLIANCE

J113.1 General.

All grading plans and permits shall comply with the provisions of this section for NPDES compliance including the owner of any property on which grading has been performed and which requires a grading permit under Appendix J Section J103. Sites which have been graded and which require a grading permit under Appendix J Section J103 are subject to penalties and fines per Appendix J Section J113.4. All best management practices shall be installed before grading begins or as instructed in writing by the building official for unpermitted grading as defined by Section J 103.3. As grading progresses, all best management practices shall be updated as necessary to prevent erosion and control structures related pollutants from discharging from the site. All best management practices shall be maintained in good working order to the satisfaction of the building official unless final grading approval has been granted by the building official and all permanent drainage and erosion control systems, if required, are in place.

J113.2 Storm water pollution prevention plan (SWPPP).

When requested by the building official, no grading permit shall be issued unless the plans for such work include a Storm Water Pollution Prevention Plan with details of best management practices, including desilting basins or other temporary drainage or control measures, or both, as may be necessary to control structures-related pollutants which originate from the site as a result of structures related activities. For unpermitted grading as defined by Section J103.3 upon written request a SWPPP in compliance with the provisions of this section and Section J106.4.3 for NPDES compliance shall be submitted to the building official.

J113.3 Wet weather erosion control plans (WWECP).

In addition to the SWPPP required in Appendix J Section J113.2, where a grading permit is issued and it appears that the grading will not be completed prior to November 1, then on or before October 1 the owner of the site on which the grading is being performed shall file or cause to be filed with the building official a WWECP which includes specific best management practices to minimize the transport of sediment and protect public and private property from the effects of erosion, flooding or the deposition of mud, debris or structures related pollutants. The best

management practices shown on the WVECP shall be installed on or before October 15. The plans shall be revised annually or as required by the building official to reflect the current site conditions. The WVECP shall be accompanied by an application for plan checking services and plan check fees equal in amount to 10 percent of the original grading permit fee.”

SECTION 3. Sections 13-2-1 and 13-2-2 of Chapter 2 of Title 13 of the ESMC are repealed and replaced by the following to read as follows:

“CHAPTER 2

RESIDENTIAL CODE

13-2-1: ADOPTION OF CALIFORNIA RESIDENTIAL CODE, 2022 Edition: Pursuant to California Government Code Section 50022.2, the California Building Code, 2022 Edition, published at Title 24, Part 2.5, of the California Code of Regulations, including Appendices J and AX (“CRC”) is adopted by reference, subject to the amendments, additions and deletions set forth in Section 13-1-2. One true copy of the CRC, is on file in the office of the Building Official and is available for public inspection as required by law.

13-2-2: AMENDMENTS TO CALIFORNIA RESIDENTIAL CODE:

The California Residential Code adopted pursuant to Section 13-2-1 is hereby amended as follows:

Subsection 11 is added to R105.2 of the 2022 CRC:

R105.2 Work exempt from permit.

Building

11. Block wall and concrete fences not over 3 feet 6 inches high.

Section R105.3.2 of the 2022 CRC is hereby amended to read as follows:

R105.3.2 Expiration of Plan Check.

An application for a permit for any proposed work is deemed to have been abandoned 12 months after the application date. Unless otherwise provided, after expiration of the application, the City will not issue a permit until the plans are rechecked and approved and a new fee is paid.

Exception: The Building Official may grant extensions of time for additional periods not exceeding 90 days each if a permit applicant submits in writing sufficient evidence that unusual conditions or circumstances precluded the securing of the permit within the allocated time.

Section R105.8 of Chapter 1 of the 2022 CRC is added to read as follows:

R105.8 Responsibility of permittee.

Building permits shall be presumed by the city to incorporate all of the work that the applicant, the applicant's agent, employees and/or contractors shall carry out. Said proposed work shall be in accordance with the approved plans and with all requirements of this code and any other laws or regulations applicable thereto. No city approval shall relieve or exonerate any person from the responsibility of complying with the provisions of this code nor shall any vested rights be created for any work performed in violation of this code.

Section R108.5.1 of Chapter 1 of the 2022 CRC is added to read as follows:

R108.5.1 Plan check fees refund.

No portion of the plan check fee shall be refunded unless plan review has not been performed, in which case 80 percent of the plan check fee shall be refunded upon written application for refund submitted by the person who made original payment of such fee and with the written consent of the owner of the real property on which the work was proposed to be done. The Building Official shall determine, in such official's discretion, whether an applicant is qualified to receive a refund. After 180 days have elapsed from the date of the submittal for plan check, no plan check fees shall be refunded. In the event subsequent application for plan check is made by a person who has received a refund, the full amount of all required fees shall be paid as elsewhere provided in this chapter.

Section R108.5.2 of Chapter 1 of the 2022 CRC is added to read as follows:

R108.5.2 Permit fees refund.

In the event any person shall have obtained a building permit and no portion of the work or construction covered by such permit shall have commenced, nor any inspection performed by any City employee, and notice of abandonment has been received from the owner of the real property on which such work would have been performed, the permittee, upon presentation to the Building Official of a written request for refund, shall be entitled to a refund in an amount equal to 80 percent of the building permit fee actually paid for such permit. The Building Official shall

determine, in such official's discretion, whether an applicant is qualified to receive a refund. After 12 months have elapsed from the date of the issuance of the permit, no permit fees shall be refunded. In the event subsequent application for a permit is made by a person who has received a refund, the full amount of all required fees shall be paid as elsewhere provided in this chapter.

Exception:

1. If a permit has been issued for a project located in an area outside the jurisdiction of the City, 100 percent of the permit and plan checking fee may be refunded.
2. If a duplicate permit has been erroneously issued, 100 percent of the duplicated permit and plan checking fee may be refunded.

Section R108.6 of Chapter 1 of the 2022 CRC is amended to read as follows:

R108.6 Work commencing before permit issuance.

Any person who commences any work on a building, structure, electrical, gas, mechanical or plumbing system before obtaining the necessary permits shall be subject to a fee in addition to the normally established permit fee, equal to 100% of such normally established permit fee, or as otherwise determined by the building official.

Section R109.1.7 of Chapter 1 of the CRC is added to read as follows:

R109.1.7 Setback Certification required.

A California State licensed surveyor is required to certify the location and setbacks of all new construction prior to the first foundation inspection. A copy of the certification shall be available to the Building Division inspector for the job file prior to the first inspection

Exception: Wherever there are practical difficulties involved in carrying out the provisions of this section, the Building Official shall have the authority to grant modifications for individual cases.

Section R109.5 of Chapter 1 of the 2022 CRC is hereby added to read as follows:

R109.5 Re-inspections.

A re-inspection fee in the amount set by the City Council resolution may be assessed for each inspection or re-inspection when such portion of work for which

inspection is called is incomplete or when required corrections called are not made. This section is not to be interpreted as requiring re-inspection fees the first time a job is rejected for failure to comply with the requirements of this code, but as controlling the practice of calling for inspections before the job is ready for such inspection or re-inspection. Re-inspection fees may be assessed when the inspection record card is not posted or otherwise available on the work site, the approved plans are not readily available to the inspector, for failure to provide access on the date for which inspection is requested, or for deviating from plans requiring the approval of the building official. In instances where re-inspection fees have been assessed, no additional inspection of the work will be performed until the required fees have been paid.

Section R112.3 of Chapter 1 of the 2022 CRC is hereby amended to read as follows:

R112.3 Board of Appeals.

The board of appeals consists of members of the Planning Commission. The term of a board of appeals member will coincide with the term of service as a Planning Commissioner and will terminate should the member cease serving as a Planning Commissioner. The building official is the secretary to the board. The board may adopt reasonable rules and regulations for conducting its investigations and will render all its decisions and findings on contested matters, in writing to the building official, with a duplicate copy for any appellant or contestant affected by such decision or finding and may recommend to the city council appropriate new legislation.

Three members of the board constitute a quorum. The Planning Chairperson is the board's chairperson and in the chairperson's absence the board will select a temporary chairperson.

The city will assess a filing fee set by City Council resolution, at the time that an appellant files appeal of any order, decisions, or determination made by the building official relative to the application and interpretation of this code. The filing fee is refundable should the appellant prevail in a decision by the board. The appeal must be taken by filing a written notice of appeal, in letterform, to the board of appeals. The board's decision constitutes the city's final decision.

Section R301.1.3.2 of Chapter 3 of the 2022 CRC is amended to read as follows:

R301.1.3.2 Wood-frame structures.

The building official shall require construction documents to be approved and stamped by a California licensed architect or engineer for all dwellings of wood-

frame construction more than two stories and basement in height located in Seismic Design Category A, B or C. Notwithstanding other sections of law; the law establishing these provisions is found in Business and Professions Code Section 5537 and 6737.1.

The building official shall require construction documents to be approved and stamped by a California licensed architect or engineer for all dwellings of wood-frame construction more than one story in height or with a basement located in Seismic Design Category D₀, D₁, D₂.

Section R301.1.5 is added to Chapter 3 of the 2022 CRC to read as follows:

R301.1.5 Seismic design provisions for buildings constructed on or into slopes steeper than one unit vertical in three units horizontal (33.3 percent slope).

The design and construction of new buildings and additions to existing buildings when constructed on or into slopes steeper than one unit vertical in three units horizontal (33.3 percent slope) shall comply with Section 1613.6 of the Building Code.

Items 1, 3 and 5 of Section R301.2.2.2.6 of the 2022 CRC are amended to read as follows:

R301.2.2.2.6 Irregular Buildings.

- 1. Shear wall or braced wall offsets out of plane.** Conditions where exterior shear wall lines or braced wall panels are not in one plane vertically from the foundation to the uppermost story in which they are required.
- 3. Shear wall or braced wall offsets in plane.** Conditions where the end of a braced wall panel occurs over an opening in the wall below.
- 5. Floor level offset.** Conditions where portions of a floor level are vertically offset.

Section R301.2.2.3.11 is added to Chapter 3 of the 2022 CRC to read as follows:

R301.2.2.3.11 Anchorage of Mechanical, Electrical, or Plumbing Components and Equipment.

Mechanical, electrical, or plumbing components and equipment shall be anchored to the structure. Anchorage of the components and equipment shall be designed to resist loads in accordance with the California Building Code and ASCE 7, except where the component is positively attached to the structure and flexible connections are provided between the component and associated ductwork, piping, and conduit; and either

1. The component weighs 400 lbs. (1,780 N) or less and has a center of mass located 4 ft. (1.22 m) or less above the supporting structure; or
2. The component weighs 20 lbs. (89N) or less or, in the case of a distributed system, 5 lb/ft. (73 N/m) or less.

Section R313.1 of the 2022 CRC is amended to read as follows:

R313.1 Automatic fire sprinkler systems.

A. New Buildings and Structures: Unless otherwise prohibited by law, approved automatic sprinkler systems in new buildings and structures shall be required for all occupancies.

B. Existing Buildings and Structures: Unless otherwise prohibited by law, approved automatic sprinkler systems shall be required in all existing buildings if: (i) an addition and/or alteration is constructed which exceeds fifty percent (50%) of the square footage of the existing building, or (ii) an addition of more than one thousand (1,000) square feet is constructed.

R313.1.1 Townhouse automatic fire sprinkler systems.

An approved automatic residential fire sprinkler system shall be installed in townhouses.

Exception: Deleted

R313.1.2 Design and installation.

Automatic fire sprinkler systems for townhouses shall be designed and installed in accordance with Section R313.3, NFPA 13 or NFPA 13D.”

Section R328.1 of the 2022 CRC is amended to read as follows:

R328.1 General

Energy storage systems (ESS) shall comply with the provisions of this section and the El Segundo Fire Code.

Exceptions: Deleted

Section R328.4 of the 2022 CRC is amended to read as follows:

R328.4 Locations

ESS shall be installed only in the following locations:

1. Detached garages and detached accessory structures.
2. Deleted
3. Outdoors or on the exterior side of exterior walls located not less than 3 feet (914 mm) from doors and windows directly entering the dwelling unit; including accessory dwelling units.
4. Deleted

Section R328.5 of the 2022 CRC is amended to read as follows:

R328.5 Energy Ratings

Individual ESS units shall have a maximum rating of 20 kWh. The aggregate rating of the ESS shall not exceed:

1. Delete
2. 80 kWh in attached or detached garages and detached accessory structures.
3. 80 kWh on exterior walls.
4. 80 kWh outdoors on the ground.

ESS installations exceeding the permitted individual or aggregate ratings shall be installed in accordance with Section 1207 of the El Segundo Fire Code.

Section R328.7 of the 2022 CRC is deleted in its entirety:

Section R341 is added to the 2022 CRC to read as follows:

R341: RESIDENTIAL NOISE INSULATION STANDARDS (Airport Noise Sources)

R341.1 Noise Insulation Requirements for New Construction.

R341.2 Purpose and Scope.

The purpose of this section is to establish minimum noise insulation performance standards for new residential dwelling units and additions of habitable rooms to existing residential dwelling units to protect public health, safety, and welfare from

the effects of excessive noise, including without limitation, indoor quality of life, speech interference, and sleep disruption.

R341.3 Applicability.

This section applies to all newly constructed residences and habitable room additions to existing residences.

R341.4 Definitions.

For purposes of this section, the following words must have the following meaning:

"Community Noise Equivalent Level (CNEL)" means the noise measure defined in 21 Code of California Regulations § 5001(d), and any successor regulation or amendment.

"Habitable Room" means a room that is a space in a structure for living, sleeping, eating, or cooking. Bathrooms, toilet compartments, closets, halls, storage or utility space, garages, and similar areas are not considered habitable space.

"LAX" means Los Angeles International Airport. "Noise Impact Boundary for LAX" means the area around LAX as defined in 21 California code of regulations § 5001(1), and any successor regulation or amendment. The city's building safety department must at all times maintain a current map of the noise impact boundary. The latest published map by LAWA located at the Building Safety Counter shall be used as the basis for determination.

"Residence" means any occupancy group R building as used in El Segundo Title 13 of the El Segundo municipal code.

R341.5 Standards.

Any new residence or addition of one or more habitable rooms to an existing residence that is within the noise impact boundary for LAX must be designed to ensure that internal noise levels due to LAX do not exceed 45 dB CNEL. This standard may be satisfied in two ways: (1) by performing the acoustical analysis described in section R341.1207.6.06, below, or (2) by employing the prescribed construction methods described in section R341.1207.6.07, below

R341.6 Acoustical Analysis.

A building permit application for a new residence or addition of one or more habitable rooms to an existing residence must comply with the minimum noise insulation performance standards established in this section if it includes an acoustical analysis demonstrating that the proposed design will ensure that internal noise levels due to LAX aircraft noise will not exceed 45 dB CNEL. The

acoustical analysis shall be proven to meet the standard by providing post-construction/pre-occupancy acoustic measurement to verify compliance with the 45 dB CNEL standard. The Building Official has the discretion to implement policies that meet the intent of this code section.

A. The acoustical analysis must be prepared by a person experienced in the field of acoustical engineering. The analysis must consider and include: the topographical relationship between LAX aircraft noise sources and the dwelling site, the characteristics of those noise sources, predicted noise spectra and levels at the exterior of the dwelling site, the basis for this prediction (measured or obtained from published data), the noise insulation measures to be employed, and the effectiveness of the proposed noise insulation measures.

B. If the interior allowable noise levels are to be met by requiring that windows be unopenable or closed, the design for the structure must also specify a ventilation or air-conditioning system to provide a habitable interior environment, having at least 2 air exchanges per hour for the affected rooms. The ventilation system must not compromise the interior room noise reduction.

R341.7 Prescribed Construction Methods.

A building permit application for a new residence or addition of one or more habitable rooms to an existing residence must comply with the minimum noise insulation performance standards established in this section if the design incorporates the following construction methods.

Construction Methods in the 70 dB CNEL and Greater Noise Zone

R341.8 Exterior Walls.

New walls that form the exterior portion of habitable rooms must be constructed as follows:

A. Studs must be at least 4 inches in nominal depth. B. Exterior finish must be stucco, minimum $\frac{7}{8}$ -inch thickness, brick veneer, masonry, or any siding material allowed by this code. Wood or metal siding must be installed over $\frac{1}{2}$ -inch minimum solid sheathing.

C. Masonry walls with a surface weight of less than 40 pounds per square foot must require an interior supporting stud-wall that is finished with at least $\frac{5}{8}$ -inch thick gypsum wall board or plaster.

D. Wall insulation must be at least R-11 glass fiber or mineral wool and must be installed continuously throughout the stud space.

E. Exterior solid sheathing must be covered with overlapping asphalt felt.

F. Interior wall finish must be at least $\frac{5}{8}$ -inch thick gypsum wall board or plaster.

R341.9 Exterior Windows.

A. Openable Windows: All openable windows in the exterior walls of habitable rooms must have a laboratory sound transmission class rating of at least STC 40 dB and must have an air infiltration rate of no more than 0.5 cubic feet per minute when tested according to ASTM E-283.

B. Fixed Windows: All fixed windows in the exterior walls of habitable rooms must:

1. Have a sound transmission class rating of at least STC 40 dB, or
2. Must be $\frac{5}{8}$ -inch laminated glass with STC rating of 40 dB and must be set in non-hardening glazing materials, or
3. Must be glass block at least $3\frac{1}{2}$ inches thick.

C. The total areas of glazing in rooms used for sleeping must not exceed 20% of the wall area.

R341.10 Exterior Doors.

A. Exterior hinged doors to habitable rooms that are directly exposed to aircraft noise and are facing the source of the noise must be a door and edge seal assembly that has a laboratory sound transmission class of at least STC 40 dB.

B. Exterior hinged doors to habitable rooms that are not directly exposed to aircraft noise and do not face the source of the noise must have a minimum STC rating of 35 dB.

C. Sliding glass doors in habitable rooms must not be allowed in walls that are directly exposed to aircraft noise. Sliding glass doors in walls that are not directly exposed must have an STC rating of at least 40 dB. D. Access doors from attached garage to the interior of a residence must have an STC rating of at least 30 dB.

R341.11 Roof/Ceiling Construction.

A. Roof rafters must have a minimum slope of 4:12 and must be covered on their top surface with minimum 1/2-inch solid sheathing and any roof covering allowed by this code.

B. Attic insulation must be batt or blow-in glass fiber or mineral wool with a minimum R-30 rating applied between the ceiling joists.

C. Attic ventilation must be:

1. Gable vents or vents that penetrate the roof surface that are fitted with transfer ducts at least 6 feet in length that are insulating flexible ducting or metal ducts containing internal 1-inch thick coated fiberglass sound absorbing duct liner. Each duct must have a lined 90-degree bend in the duct so that there is no direct line of sight from the exterior through the duct into the attic, or

2. Noise control louver vents, or

3. Eave vents that are located under the eave overhang.

4. Ceilings must be finished with gypsum board or plaster that is at least 5/8-inch thick. Ceiling materials must be mounted on resilient channels.

5. Skylights must penetrate the ceiling by means of a completely enclosed light well that extends from the roof opening to the ceiling opening. A secondary openable glazing panel must be mounted at the ceiling line or at any point that provides at least a 4-inch space between the skylight glazing and the secondary glazing and must be glazed with at least 3/16-inch plastic or laminated glass. The weather-side skylight must be any type that is permitted by the building code. The size of skylights must be no more than 20 percent of the roof area of the room.

R341.12 Ventilation.

A. A ventilation system must be provided that will provide at least the minimum air circulation and fresh air supply requirements of this code in each habitable room without opening any window, door or other opening to the exterior. All concealed ductworks must be insulated flexible glass fiber ducting that is at least 10 feet long between any two points of connection.

B. Kitchen cooktop vent hoods must be the non-ducted recirculating type with no ducted connection to the exterior.

R341.13 Fireplaces.

Each fireplace must be fitted with a damper at the top of the chimney that is operated from the firebox and must have glass doors across the front of the firebox.

R341.14 Wall and Ceiling Openings.

Openings in the shell of the residence that degrade its ability to achieve an interior CNEL rating of 45 dB or less when all doors and windows are closed are prohibited unless access panels, pet doors, mail delivery drops, air-conditioning, or other openings are designed to maintain the 45 dB CNEL (or less) standard in the room to which they provide access.

Construction Methods In The 65 dB CNEL To 70 dB CNEL Noise Zone

R341.15 Exterior Walls.

New walls that form the exterior portion of habitable rooms must be constructed as follows:

- A. Studs must be at least 4 inches in nominal depth
- B. Exterior finish must be stucco, minimum $\frac{7}{8}$ -inch thickness, brick veneer, masonry, or any siding material allowed by this code. Wood or metal siding must be installed over $\frac{1}{2}$ -inch solid sheathing.
- C. Masonry walls with a surface weight of less than 40 pounds per square foot will require an interior studwall that is finished with at least $\frac{5}{8}$ -inch thick gypsum wallboard or plaster.
- D. Wall insulation must be at least R-11 glass fiber or mineral wool and must be installed continuously throughout the stud space. Exterior solid sheathing must be covered with overlapping asphalt felt.
- F. Interior wall finish must be at least $\frac{5}{8}$ -inch thick gypsum wallboard or plaster.

R341.16 Exterior Windows.

- A. Openable Windows: All openable windows in the exterior walls of habitable rooms must have a laboratory sound transmission class rating of at least STC 35 dB and must have an air infiltration rate of no more than 0.5 cubic feet per minute when tested according to ASTM E-283.
- B. Fixed Windows: All fixed windows in the exterior walls of habitable rooms must be at least $\frac{1}{4}$ -inch thick and must be set in non-hardening glazing materials.
- C. The total area of glazing in rooms used for sleeping must not exceed 20% of the floor area.

R341.17: Exterior Doors.

A. Exterior hinged doors to habitable rooms that are directly exposed to aircraft noise and are facing the source of the noise must be a door and edge seal assembly that has a laboratory sound transmission class of at least STC 35 dB.

B. Exterior hinged doors to habitable rooms that are not directly exposed to aircraft noise and do not face the source of the noise must have a minimum STC rating of 30 dB.

C. Sliding glass doors in habitable rooms must have glass that is $\frac{1}{4}$ -inch thick.

D. Access doors from a garage to a habitable room must have an STC rating of at least 30 dB.

R341.18 Roof/Ceiling Construction.

A. Roof rafters must have a minimum slope of 4:12 and must be covered on their top surface with minimum $\frac{1}{2}$ -inch solid sheathing and any roof covering allowed by this code.

B. Attic insulation must be batt or blow-in glass fiber or mineral wool with a minimum R-30 rating applied between the ceiling joists.

C. Attic ventilation must be:

1. Gable vents or vents that penetrate the roof surface that are fitted with transfer ducts at least 6 feet in length that are insulating flexible ducting or metal ducts containing internal 1-inch thick coated fiberglass sound absorbing duct liner. Each duct must have a lined 90-degree bend in the duct so that there is no direct line of sight from the exterior through the duct into the attic, or

2. Noise control louver vents, or

3. Eave vents that are located under the eave overhang.

D. Ceilings must be finished with gypsum board or plaster that is at least $\frac{5}{8}$ -inch thick.

E. Skylights must penetrate the ceiling by means of a completely enclosed light well that extends from the roof opening to the ceiling opening. A secondary openable glazing panel must be mounted at the ceiling line and must be glazed

with at least $\frac{3}{16}$ -inch plastic, tempered or laminated glass. The weather-side skylight must be any type that is permitted by the building code.

R341.19 Floors.

The floor of the lowest habitable rooms must be concrete slab on grade or wood framed floors.

R341.20 Ventilation.

A. A ventilation system must be provided that will provide at least the minimum air circulation and fresh air supply requirements of at least 2 air exchanges in each affected habitable room without opening any window, door or other opening to the exterior. All concealed ductwork must be insulated flexible glass fiber ducting that is at least 10 feet long between any two points of connection.

B. Kitchen cooktop vent hoods must be the non-ducted recirculating type with no ducted connection to the exterior.

R341.21 Fireplaces.

Each fireplace must be fitted with a damper at the top of the chimney that is operated from the firebox and must have glass doors across the front of the firebox.

R341.22 Wall and Ceiling Openings. Openings in the shell of the residence that degrade its ability to achieve an interior CNEL rating of 45 dB or less when all doors and windows are closed are prohibited. Any access panels, pet doors, mail delivery drops, air-conditioning, or other openings must be designed to maintain the 45 dB CNEL or less standard in the room to which they provide access.

Section R401.1 of the 2022 CRC is amended to read as follows:

R401.1 Application.

The provisions of this chapter shall control the design and construction of the foundation and foundation spaces for buildings. In addition to the provisions of this chapter, the design and construction of foundations in flood hazard areas as established by Table R301.2(1) shall meet the provisions of Section R322. Wood foundations shall be designed and installed in accordance with AWC PWF.

Exception: The provisions of this chapter shall be permitted to be used for wood foundations only in the following situations:

1. In buildings that have no more than two floors and a roof.
2. When interior basement and foundation walls are constructed at intervals not exceeding 50 feet (15 240 mm).

Wood foundations in Seismic Design Category D₀, D₁ or D₂ shall not be permitted.

Exception: In non-occupied, single-story, detached storage sheds and similar uses other than carport or garage, provided the gross floor area does not exceed 200 square feet, the plate height does not exceed 12 feet in height above the grade plane at any point, and the maximum roof projection does not exceed 24 inches.

Section R403.1.2 of the 2022 CRC is amended to read as follows:

R403.1.2 Continuous footing in Seismic Design Categories D₀, D₁ and D₂.

Exterior walls of buildings located in Seismic Design Categories D₀, D₁ and D₂ shall be supported by continuous solid or fully grouted masonry or concrete footings. All required interior braced wall panels in buildings located in Seismic Design Categories D₀, D₁ and D₂ shall be supported on continuous foundations.

Section R403.1.3.6 of the 2022 CRC is amended to read as follows

R403.1.3.6 Isolated concrete footings.

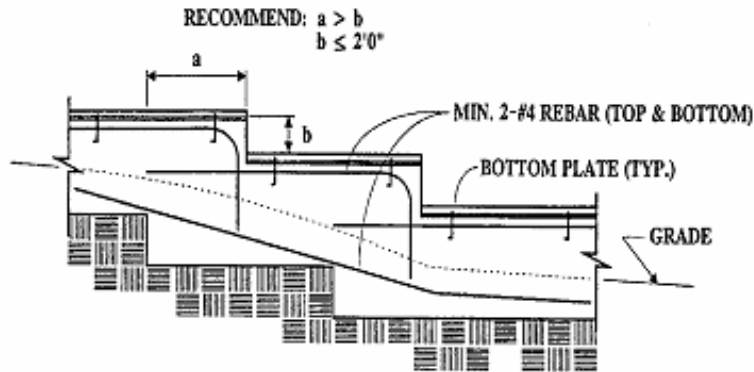
In detached one- and two-family dwellings located in Seismic Design Category A, B, or C that are three stories or less in height and constructed with stud bearing walls, isolated plain concrete footings supporting columns or pedestals are permitted.

Section R403.1.5 of the 2022 CRC is amended to read as follows:

R403.1.5 Slope.

The top surface of footings shall be level. The bottom surface of footings shall not have a slope exceeding one unit vertical in 10 units horizontal (10-percent slope). Footings shall be stepped where it is necessary to change the elevation of the top surface of the footings or where the slope of the bottom surface of the footings will exceed one unit vertical in 10 units horizontal (10-percent slope).

For structures located in Seismic Design Categories D₀, D₁ or D₂, stepped footings shall be reinforced with four No. 4 rebar. Two bars shall be placed at the top and bottom of the footings as shown in Figure R403.1.5.



STEPPED FOUNDATIONS

FIGURE R403.1.5 - STEPPED FOOTING

Section R404.2 of the 2022 CRC is amended to read as follows:

R404.2 Wood foundation walls.

Wood foundation walls shall be constructed in accordance with the provisions of Sections R404.2.1 through R404.2.6 and with the details shown in Figures R403.1(2) and R403.1(3). Wood foundation walls shall not be used for structures located in Seismic Design Category D₀, D₁ or D₂.

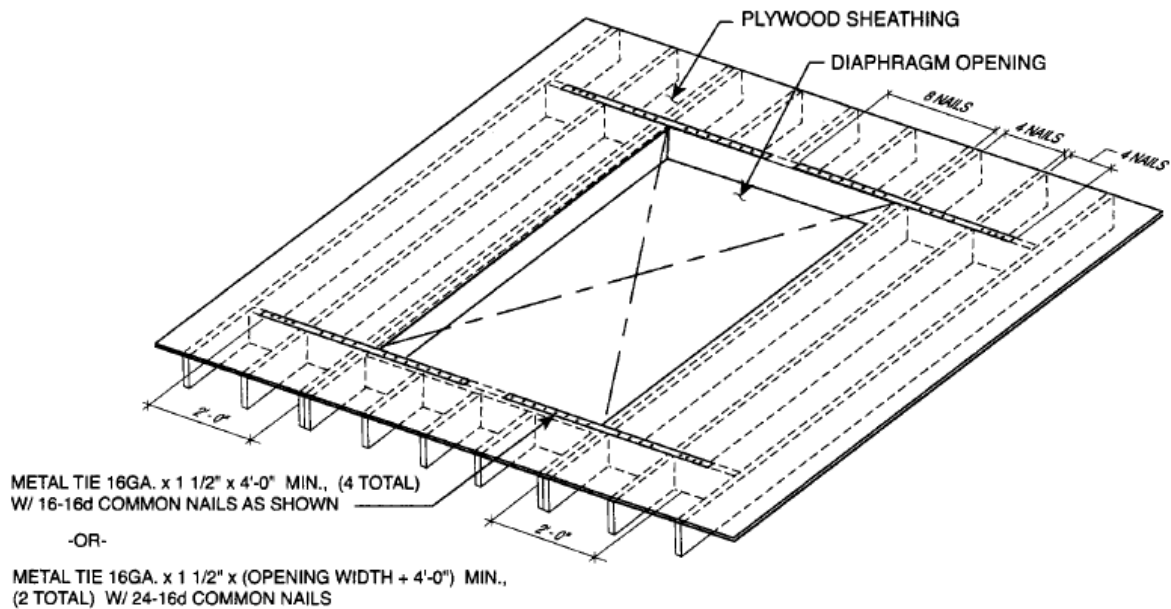
Section R501.2 of the 2022 CRC is amended to read as follows:

R501.2 Requirements. Floor construction shall be capable of accommodating all loads in accordance with Section R301 and of transmitting the resulting loads to the supporting structural elements. Mechanical or plumbing fixtures and equipment shall be attached or anchored to the structure in accordance with Section R301.2.2.11.

Section R503.2.4 is added to Chapter 5 of the CRC to read as follows:

R503.2.4 Openings in horizontal diaphragms.

Openings in horizontal diaphragms with a dimension perpendicular to the joist that is greater than 4 feet (1.2 m) shall be constructed in accordance with Figure R503.2.4.



For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm.

- a. Blockings shall be provided beyond headers.
- b. Metal ties not less than 0.058 inch [1.47 mm (16 galvanized gage)] by 1.5 inches (38 mm) wide with eight 16d common nails on each side of the header-joist intersection. The metal ties shall have a minimum yield of 33,000 psi (227 MPa).
- c. Openings in diaphragms shall be further limited in accordance with Section R301.2.2.2.6.

FIGURE R503.2.4
OPENINGS IN HORIZONTAL DIAPHRAGMS

Table R602.3(1) lines 20, 21,24, 34-37 of the 2022 CRC are amended to read as follows:

**TABLE R602.3(1)—continued
FASTENING SCHEDULE**

ITEM	DESCRIPTION OF BUILDING ELEMENTS	NUMBER AND TYPE OF FASTENER^{a, b, c}	SPACING AND LOCATION	
20 ^k	1" x 6" sheathing to each bearing	3-8d box (2 1/2" x 0.113"); or 2-8d common (2 1/2" x 0.131"); or 2-10d box (3" x 0.128"); or 2 staples, 1" crown, 16 ga., 1 3/4" long	Face nail	
21 ^k	1" x 8" and wider sheathing to each bearing	3-8d box (2 1/2" x 0.113"); or 3-8d common (2 1/2" x 0.131"); or 3-10d box (3" x 0.128"); or 3 staples, 1" crown, 16 ga., 1 3/4" long	Face nail	
		Wider than 1" x 8" 4-8d box (2 1/2" x 0.113"); or 3-8d common (2 1/2" x 0.131"); or 3-10d box (3" x 0.128"); or 4 staples, 1" crown, 16 ga., 1 3/4" long		
Floor				
24 ^k	1" x 6" subfloor or less to each joist	3-8d box (2 1/2" x 0.113"); or 2-8d common (2 1/2" x 0.131"); or 3-10d box (3" x 0.128"); or 2 staples, 1" crown, 16 ga., 1 3/4" long	Face nail	
Other wall sheathing⁹				
34 ^k	1/2" structural cellulosic fiberboard sheathing	1 1/2" x 0.120" galvanized roofing nail, 7/16" head diameter, or 1 1/4" long 16 ga. staple with 7/16" or 1" crown	3	6

35 k	25/32" structural cellulosic fiberboard sheathing	13/4" x 0.120" galvanized roofing nail, 7/16" head diameter, or 1 1/4" long 16 ga. Staple with 7/16" or 1" crown	3	6
36 k	1/2" gypsum sheathing ^d	11/2" x 0.120" galvanized roofing nail, 7/16" head diameter, or 11/4" long, 16 ga.; staple galvanized, 11/2" long; 7/16" or 1" crown or 11/4" screws, Type W or S	7	7
37 k	5/8" gypsum sheathing ^d	13/4" galvanized roofing nail, 7/16" head diameter, or 11/4" long, 16 ga.; staple galvanized, 11/2" long; 7/16" or 1" crown or 11/4" screws, Type W or S	7	7

**TABLE R602.3(1)—
continued FASTENING
SCHEDULE**

k. Use of staples in roof, floor, and braced wall panels shall be prohibited in Seismic Design Category D₀, D₁, or D₂.

**TABLE R602.3(1)—continued
FASTENING SCHEDULE**

- a. Nails are smooth-common, box or deformed shanks except where otherwise stated. Nails used for framing and sheathing connections shall have minimum average bending yield strengths as shown: 80 ksi for shank diameter of 0.192 inch (20d common nail), 90 ksi for shank diameters larger than 0.142 inch but not larger than 0.177 inch, and 100 ksi for shank diameters of 0.142 inch or less.
- b. Staples are 16 gage wire and have a minimum 7/16-inch on diameter crown width.
- c. Nails shall be spaced at not more than 6 inches on center at all supports where spans are 48 inches or greater.
- d. Four-foot by 8-foot or 4-foot by 9-foot panels shall be applied vertically.
- e. Spacing of fasteners not included in this table shall be based on Table R602.3(2).
- f. Where the ultimate design wind speed is 130 mph or less, nails for attaching wood structural panel roof sheathing to gable end wall framing shall be spaced 6 inches on center. Where the ultimate design wind speed is greater than 130 mph, nails for attaching panel roof sheathing to intermediate supports shall be spaced 6 inches on center for minimum 48-inch distance from ridges, eaves and gable end walls; and 4 inches on center to gable end wall framing.
- g. Gypsum sheathing shall conform to ASTM C 1396 and shall be installed in accordance with GA 253. Fiberboard sheathing shall conform to ASTM C 208.
- h. Spacing of fasteners on floor sheathing panel edges applies to panel edges supported by framing members and required blocking and at floor perimeters only. Spacing of fasteners on roof sheathing panel edges applies to panel edges supported by framing members and required blocking. Blocking of roof or floor sheathing panel edges perpendicular to the framing members need not be provided except as required by other provisions of this code. Floor perimeter shall be supported by framing members or solid blocking.
- i. Where a rafter is fastened to an adjacent parallel ceiling joist in accordance with this schedule, provide two toe nails on one side of the rafter and toe nails from the ceiling joist to top plate in accordance with this schedule. The toe nail on the opposite side of the rafter shall not be required.
- j. Use of staples in braced wall panels shall be prohibited in Seismic Design Category D₀, D₁, or D₂.

Table R602.3(2) footnote "b" of the 2022 CRC is amended to read as follows:

b. Staples shall have a minimum crown width of 7/16-inch on diameter except as noted. Use of staples in roof, floor, subfloor, and braced wall panels shall be prohibited in Seismic Design Category D₀, D₁, or D₂.

Section R602.3.2 exception and Table R602.3.2 of the 2022 CRC is amended to read as follows:

Exception: In other than Seismic Design Category D₀, D₁ or D₂, a single top plate used as an alternative to a double top plate shall comply with the following:

1. The single top plate shall be tied at corners, intersecting walls, and at in-line splices in straight wall lines in accordance with Table R602.3.2.
2. The rafters or joists shall be centered over the studs with a tolerance of not more than 1 inch (25 mm).
3. Omission of the top plate is permitted over headers where the headers are adequately tied to adjacent wall sections in accordance with Table R602.3.2.

TABLE R602.3.2
SINGLE TOP-PLATE SPLICE CONNECTION DETAILS

CONDITION	TOP-PLATE SPLICE LOCATION			
	Corners and intersecting walls		Butt joints in straight walls	
	Splice plate size	Minimum nails each side of joint	Splice plate size	Minimum nails each side of joint
Structures in SDC A-C; and in SDC D ₀ , D ₁ , and D ₂ with braced wall line spacing less than 25 feet	3" × 6" × 0.036" galvanized steel plate or equivalent	(6) 8d box (2 1/2" × 0.113") nails	3' × 12" × 0.036" galvanized steel plate or equivalent	(12) 8d box (2 1/2" × 0.113") nails
Structures in SDC D ₀ , D ₁ , and D ₂ , with braced wall line spacing greater than or equal to 25 feet	3" × 8" by 0.036" galvanized steel plate or equivalent	(9) 8d box (2 1/2" × 0.113") nails	3' × 16" × 0.036" galvanized steel plate or equivalent	(18) 8d box (2 1/2" × 0.113") nails

For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm.

Section R602.10.2.3 of the 2022 CRC is amended to read as follows:

R602.10.2.3 Minimum number of braced wall panels. Braced wall lines with a length of 16 feet (4877 mm) or less shall have a minimum of two braced wall panels of any length or one braced wall panel equal to 48 inches (1219 mm) or more. Braced wall lines greater than 16 feet (4877 mm) shall have a minimum of two braced wall panels. In Seismic Design Category D₀, D₁, or D₂, no braced wall panel shall have a contributing length less than 48 inches in length or as required in Section R602.10.3, whichever is greater.

Table R602.10.3(3) of the 2022 CRC is amended to read as follows:

TABLE R602.10.3(3)
BRACING REQUIREMENTS BASED ON SEISMIC DESIGN CATEGORY

• WALL HEIGHT = 10 FEET • 10 PSF FLOOR DEAD LOAD • 15 PSF ROOF/CEILING DEAD LOAD • BRACED WALL LINE SPACING ≤ 25 FEET		MINIMUM TOTAL LENGTH (FEET) OF BRACED WALL PANELS REQUIRED ALONG EACH BRACED WALL LINE ^{a,3}					
Seismic Design Category ^b	Story Location	Braced Wall Line Length (feet) ^c	Method LIB ^d	Method GB ^e	Methods DWB, SFB, PBS, PCP, HPS, CS-SFB ^g	Methods WSP, ABW ^h , PFH ⁱ and PFG ^{h,i}	Methods CS-WSP, CS-G, CS-PF
C (townhouses only)		10	2.5	2.5	2.5	1.6	1.4
		20	5.0	5.0	5.0	3.2	2.7
		30	7.5	7.5	7.5	4.8	4.1
		40	10.0	10.0	10.0	6.4	5.4
		50	12.5	12.5	12.5	8.0	6.8
		10	NP	4.5	4.5	3.0	2.6
		20	NP	9.0	9.0	6.0	5.1
		30	NP	13.5	13.5	9.0	7.7
		40	NP	18.0	18.0	12.0	10.2
		50	NP	22.5	22.5	15.0	12.8
		10	NP	6.0	6.0	4.5	3.8
		20	NP	12.0	12.0	9.0	7.7
		30	NP	18.0	18.0	13.5	11.5
		40	NP	24.0	24.0	18.0	15.3
		50	NP	30.0	30.0	22.5	19.1
D ₀		10	NP	2.8 <u>5.6</u>	2.8 <u>5.6</u>	1.8	1.6
		20	NP	5.5 <u>11.0</u>	5.5 <u>11.0</u>	3.6	3.1
		30	NP	8.3 <u>16.6</u>	8.3 <u>16.6</u>	5.4	4.6
		40	NP	11.0 <u>22.0</u>	11.0 <u>22.0</u>	7.2	6.1
		50	NP	13.8 <u>27.6</u>	13.8 <u>27.6</u>	9.0	7.7
		10	NP	5.3 <u>NP</u>	5.3 <u>NP</u>	3.8	3.2
		20	NP	10.5 <u>NP</u>	10.5 <u>NP</u>	7.5	6.4
		30	NP	15.8 <u>NP</u>	15.8 <u>NP</u>	11.3	9.6
		40	NP	21.0 <u>NP</u>	21.0 <u>NP</u>	15.0	12.8
		50	NP	26.3 <u>NP</u>	26.3 <u>NP</u>	18.8	16.0
		10	NP	7.3 <u>NP</u>	7.3 <u>NP</u>	5.3	4.5
		20	NP	14.5 <u>NP</u>	14.5 <u>NP</u>	10.5	9.0
		30	NP	21.8 <u>NP</u>	21.8 <u>NP</u>	15.8	13.4
		40	NP	29.0 <u>NP</u>	29.0 <u>NP</u>	21.0	17.9
		50	NP	36.3 <u>NP</u>	36.3 <u>NP</u>	26.3	22.3

(continued)

TABLE R602.10.3(3)—continued
BRACING REQUIREMENTS BASED ON SEISMIC DESIGN CATEGORY

• WALL HEIGHT = 10 FEET • 10 PSF FLOOR DEAD LOAD • 15 PSF ROOF/CEILING DEAD LOAD • BRACED WALL LINE SPACING ≤ 25 FEET			MINIMUM TOTAL LENGTH (FEET) OF BRACED WALL PANELS REQUIRED ALONG EACH BRACED WALL LINE ^a				
Seismic Design Category ^b	Story Location	Braced Wall Line Length (feet) ^c	Method LIB ^d	Method ^e GB	Methods DWB, SFB, PBS, PCP, HPS, CS-SFB ^f	Methods WSP, ABW ^g , PFH ^g and PFG ^h	Methods CS-WSP, CS-G, CS-PF
D ₁		10	NP	3.0 6.0	3.0 6.0	2.0	1.7
		20	NP	6.0 12.0	6.0 12.0	4.0	3.4
		30	NP	9.0 18.0	9.0 18.0	6.0	5.1
		40	NP	12.0 24.0	12.0 24.0	8.0	6.8
		50	NP	15.0 30.0	15.0 30.0	10.0	8.5
		10	NP	6.0 NP	6.0 NP	4.5	3.8
		20	NP	12.0 NP	12.0 NP	9.0	7.7
		30	NP	18.0 NP	18.0 NP	13.5	11.5
		40	NP	24.0 NP	24.0 NP	18.0	15.3
		50	NP	30.0 NP	30.0 NP	22.5	19.1
		10	NP	8.5 NP	8.5 NP	6.0	5.1
		20	NP	17.0 NP	17.0 NP	12.0	10.2
		30	NP	25.5 NP	25.5 NP	18.0	15.3
		40	NP	34.0 NP	34.0 NP	24.0	20.4
		50	NP	42.5 NP	42.5 NP	30.0	25.5
D ₂ ^h		10	NP	4.0 8.0	4.0 8.0	2.5	2.1
		20	NP	8.0 16.0	8.0 16.0	5.0	4.3
		30	NP	12.0 24.0	12.0 24.0	7.5	6.4
		40	NP	16.0 32.0	16.0 32.0	10.0	8.5
		50	NP	20.0 40.0	20.0 40.0	12.5	10.6
		10	NP	7.5 NP	7.5 NP	5.5	4.7
		20	NP	15.0 NP	15.0 NP	11.0	9.4
		30	NP	22.5 NP	22.5 NP	16.5	14.0
		40	NP	30.0 NP	30.0 NP	22.0	18.7
		50	NP	37.5 NP	37.5 NP	27.5	23.4
	Three-story dwelling	10	NP	NP	NP	NP	NP
		20	NP	NP	NP	NP	NP
		30	NP	NP	NP	NP	NP
		40	NP	NP	NP	NP	NP
		50	NP	NP	NP	NP	NP
	Cripple wall below one- or two-story dwelling	10	NP	NP	NP	7.5	6.4
		20	NP	NP	NP	15.0	12.8
		30	NP	NP	NP	22.5	19.1
		40	NP	NP	NP	30.0	25.5
		50	NP	NP	NP	37.5	31.9

(continued)

- a. Linear interpolation shall be permitted.
- b. Interpolation of bracing length between the S_d s values associated with the seismic design categories shall be permitted when a site-specific S_d s value is determined in accordance with Section 1613.2 of the *California Building Code*.

- c. Where the braced wall line length is greater than 50 feet, braced wall lines shall be permitted to be divided into shorter segments having lengths of 50 feet or less, and the amount of bracing within each segment shall be in accordance with this table.
- d. Method LIB shall have gypsum board fastened to not less than one side with nails or screws in accordance with Table R602.3(1) for exterior sheathing or Table R702.3.5 for interior gypsum board. Spacing of fasteners at panel edges shall not exceed 8 inches.
- e. Methods PFG and CS-SFB do not apply in Seismic Design Categories D₀, D₁ and D₂.
- f. Methods PFH, PFG and ABW are only permitted on a single story or a first of two stories.
- g. Where more than one bracing method is used, mixing methods shall be in accordance with Section R602.10.4.1.
- h. One- and two- family dwellings in Seismic Design Category D₂ exceeding two stories shall be designed in accordance with accepted engineering practice.
- i. Methods GB and PCP braced wall panel h/w ratio shall not exceed 1:1 in SDC D₀, D₁ and D₂. Methods DWB, SFB, PBS, HPS, and CS-SFB are not permitted in D₀, D₁ and D₂.

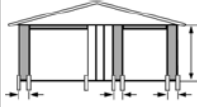
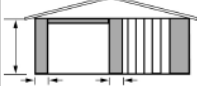
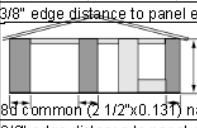
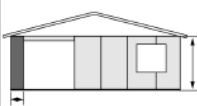
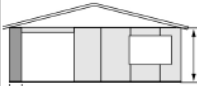
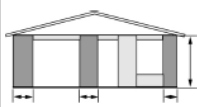
Table R602.10.4 of the 2022 CRC is amended to read as follows:

**TABLE R602.10.4
BRACING METHODS**

METHODS, MATERIAL	MINIMUM THICKNESS	FIGURE	CONNECTION CRITERIA*		
			Fasteners	Spacing	
Intermittent Bracing Methods	LIB Let-in-bracing	1 × 4 wood or approved metal straps at 45° to 60° angles for maximum 16" stud spacing		Wood: 2-8d common nails or 3-8d (2½" long × 0.113" dia.) nails Metal strap: per manufacturer	Wood: per stud and top and bottom plates Metal: per manufacturer
	DWB Diagonal wood boards	¾" (1" nominal) for maximum 24" stud spacing		2-8d (2½" long × 0.113" dia.) nails or 2-1¾" long staples	Per stud
	WSP Wood structural panel (See Section R604)	¾"		8d common (2 1/2" x 0.131) nails 3/8" edge distance to panel edge Exterior sheathing per Table R602.3(2) 8d common (2 1/2" x 0.131) nails 3/8" edge distance to panel edge Interior sheathing per Table R602.3(1) or R602.3(2)	6" edges 12" field Varies by fastener
	BV-WSP* Wood structural panels with stone or masonry veneer (See Section R602.10.6.5)	7/16"	See Figure R602.10.6.5.2	8d common (2½" × 0.131) nails	4" at panel edges 12" at intermediate supports 4" at braced wall panel end posts
	SFB Structural fiberboard sheathing	½" or 5/32" for maximum 16" stud spacing		1½" long × 0.12" dia. (for ½" thick sheathing) 1¾" long × 0.12" dia. (for 5/32" thick sheathing) galvanized roofing nails	3" edges 6" field
	GB Gypsum board	½"		Nails or screws per Table R602.3(1) for exterior locations Nails or screws per Table R702.3.5 for interior locations	For all braced wall panel locations: 7" edges (including top and bottom plates) 7" field
	PBS Particleboard sheathing (See Section R605)	¾" or ½" for maximum 16" stud spacing		For ¾", 6d common (2" long × 0.113" dia.) nails; For ½", 8d common (2½" long × 0.131" dia.) nails	3" edges 6" field
	PCP Portland cement plaster	See Section R703.6 for maximum 16" stud spacing		1½" long, 11 gage, 0.120" dia., 7/16" dia. head nails or 7/8" long, 16 gage staples	6" o.c. on all framing members
	HPS Hardboard panel siding	7/16" for maximum 16" stud spacing		0.092" dia., 0.225" dia. head nails with length to accommodate 1½" penetration into studs	4" edges 8" field
	ABW Alternate braced wall	¾"		See Section R602.10.6.1	See Section R602.10.6.1

(continued)

TABLE R602.10.4—continued
BRACING METHODS

METHODS, MATERIAL		MINIMUM THICKNESS	FIGURE	CONNECTION CRITERIA ^a	
				Fasteners	Spacing
Intermittent Bracing Methods	PFH Portal frame with hold-downs	$\frac{3}{8}$ "		See Section R602.10.6.2	See Section R602.10.6.2
	PFG Portal frame at garage	$\frac{7}{16}$ "		See Section R602.10.6.3	See Section R602.10.6.3
Continuous Sheathing Methods	CS-WSP Continuously sheathed wood structural panel	$\frac{3}{8}$ "	 <small>8d common (2 1/2"x0.131) nails 3/8" edge distance to panel edge</small>	Exterior sheathing per Table R602.3(3)	6" edges 12" field
	CS-G ^{b,c} Continuously sheathed wood structural panel adjacent to garage openings	$\frac{3}{8}$ "		Interior sheathing per Table R602.3(1) or R602.3(2)	Varies by fastener
	CS-PF Continuously sheathed portal frame	$\frac{7}{16}$ "		See Method CS-WSP	See Method CS-WSP
	CS-SFB ^d Continuously sheathed structural fiberboard	$\frac{1}{2}$ " or $\frac{25}{32}$ " for maximum 16" stud spacing		$1\frac{1}{2}$ " long \times 0.12" dia. (for $\frac{1}{2}$ " thick sheathing) $1\frac{3}{4}$ " long \times 0.12" dia. (for $\frac{25}{32}$ " thick sheathing) galvanized roofing nails	3" edges 6" field

For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm, 1 degree = 0.0175 rad, 1 pound per square foot = 47.8 N/m², 1 mile per hour = 0.447 m/s.

- Adhesive attachment of wall sheathing, including Method GB, shall not be permitted in Seismic Design Categories C, D₀, D₁ and D₂.
- Applies to panels next to garage door opening where supporting gable end wall or roof load only. Shall only be used on one wall of the garage. In Seismic Design Categories D₀, D₁ and D₂, roof covering dead load shall not exceed 3 psf.
- Garage openings adjacent to a Method CS-G panel shall be provided with a header in accordance with Table R602.7(1). A full-height clear opening shall not be permitted adjacent to a Method CS-G panel.
- Method CS-SFB does not apply in Seismic Design Categories D₀, D₁ and D₂.
- Method applies to detached one- and two- family dwellings in Seismic Design Categories D₀ through D₂ only.

- f. Methods GB and PCP braced wall panel h/w ratio shall not exceed 1:1 in SDC D₀, D₁ and D₂. Methods LIB, DWB, SFB, PBS, HPS, and PFG are not permitted in SDC D₀, D₁ and D₂.
- g. Use of stapes in braced wall panels shall be prohibited in SDC D₀, D₁ and D₂.

Table R602.10.5 of the 2022 Edition of the CRC is amended to read as follows:

TABLE R602.10.5

MINIMUM LENGTH OF BRACED WALL PANELS

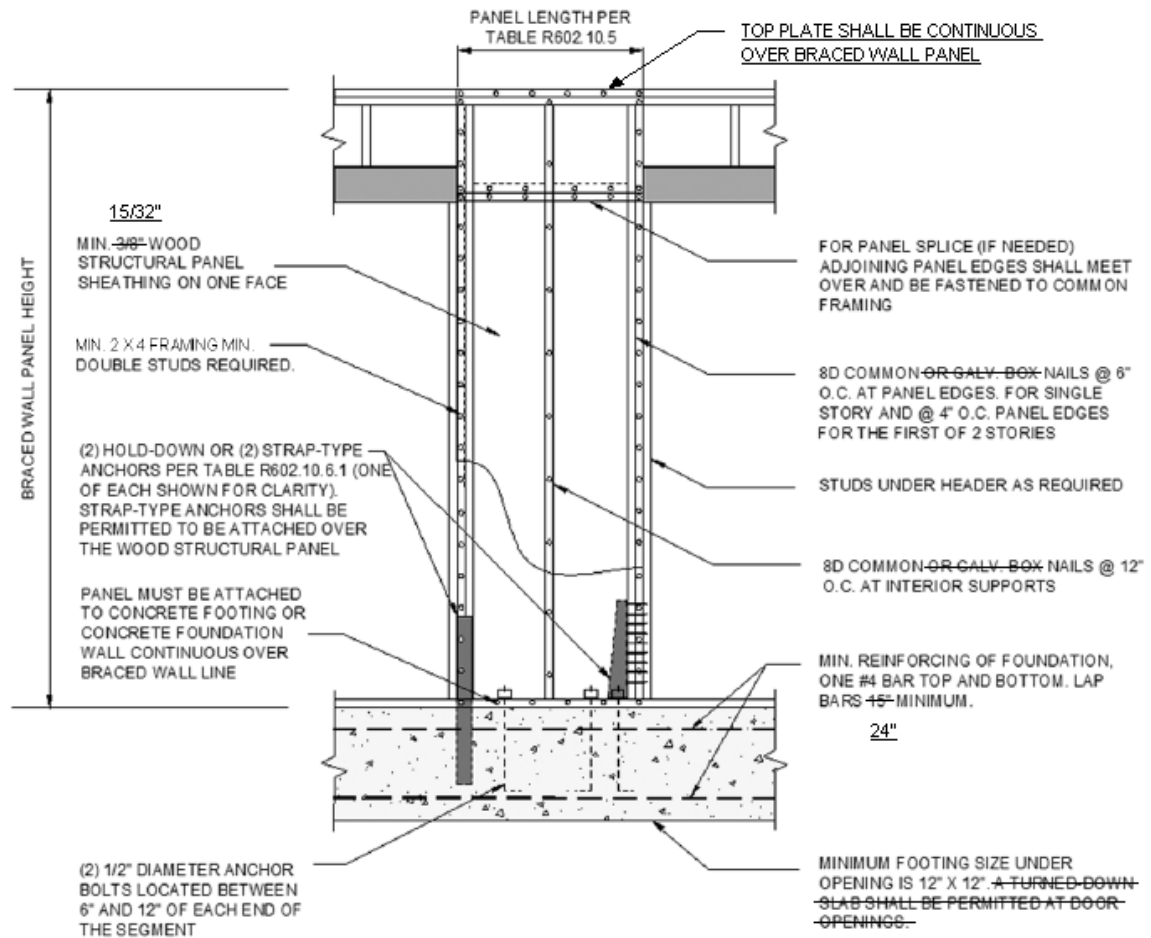
METHOD (See Table R602.10.4)		MINIMUM LENGTH ^a (inches)					CONTRIBUTING LENGTH (inches)
		Wall Height					
		8 feet	9 feet	10 feet	11 feet	12 feet	
DWB, WSP, SFB, PBS, PCP, HPS, BV-WSP		48	48	48	53	58	Actual ^b
GB		48	48	48	53	58	Double sided = Actual Single sided = 0.5 × Actual
LIB		55	62	69	NP	NP	Actual ^b
ABW	SDC A, B and C, ultimate design wind speed < 140 mph	28	32	34	38	42	48
	SDC D ₀ , D ₁ and D ₂ , ultimate design wind speed < 140 mph	32	32	34	NP	NP	
CS-G		24	27	30	33	36	Actual ^b
CS-WSP, CS-SFB	Adjacent clear opening height (inches)						Actual ^b
	≤ 64	24	27	30	33	36	
	68	26	27	30	33	36	
	72	27	27	30	33	36	
	76	30	29	30	33	36	
	80	32	30	30	33	36	
	84	35	32	32	33	36	
	88	38	35	33	33	36	
	92	43	37	35	35	36	
	96	48	41	38	36	36	
	100	—	44	40	38	38	
	104	—	49	43	40	39	
	108	—	54	46	43	41	
	112	—	—	50	45	43	
	116	—	—	55	48	45	
	120	—	—	60	52	48	
	124	—	—	—	56	51	
128	—	—	—	61	54		
132	—	—	—	66	58		
136	—	—	—	—	62		
140	—	—	—	—	66		
144	—	—	—	—	72		
METHOD (See Table R602.10.4)		Portal header height					
		8 feet	9 feet	10 feet	11 feet	12 feet	
PFH	Supporting roof only	16 <u>24</u>	16 <u>24</u>	16 <u>24</u>	Note c	Note c	48
	Supporting one story and roof	24	24	24	Note c	Note c	
PFG		24	27	30	Note d	Note d	1.5 × Actual ^b
CS-PF	SDC A, B and C	16	18	20	Note e	Note e	1.5 × Actual ^b
	SDC D ₀ , D ₁ and D ₂	16 <u>24</u>	18 <u>24</u>	20 <u>24</u>	Note e	Note e	Actual ^b

For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm, 1 mile per hour = 0.447 m/s.

NP = Not Permitted.

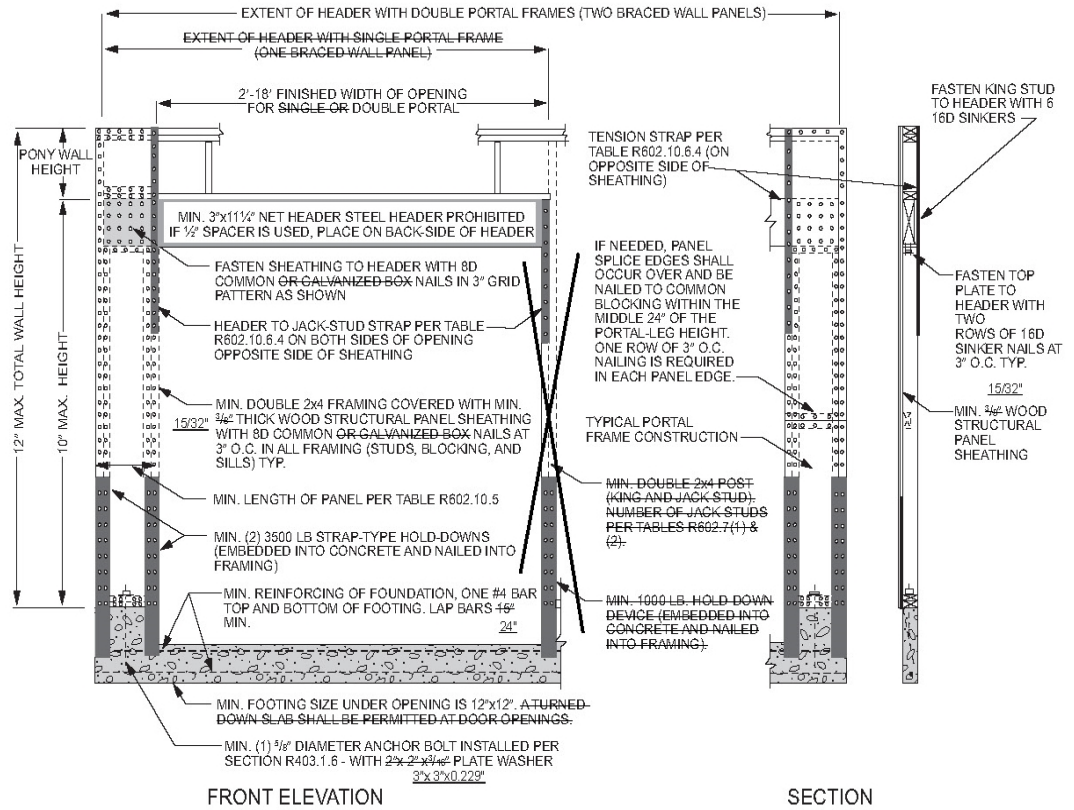
- a. Linear interpolation shall be permitted.
- b. Use the actual length where it is greater than or equal to the minimum length.
- c. Maximum header height for PFH is 10 feet in accordance with Figure R602.10.6.2, but wall height shall be permitted to be increased to 12 feet with pony wall.
- d. Maximum header height for PFG is 10 feet in accordance with Figure R602.10.6.3, but wall height shall be permitted to be increased to 12 feet with pony wall.
- e. Maximum header height for CS-PF is 10 feet in accordance with Figure R602.10.6.4, but wall height shall be permitted to be increased to 12 feet with pony wall.

Figure R602.10.6.1 of the 2022 CRC is amended to read as follows:



**FIGURE R602.10.6.1
METHOD ABW—ALTERNATE BRACED WALL PANEL**

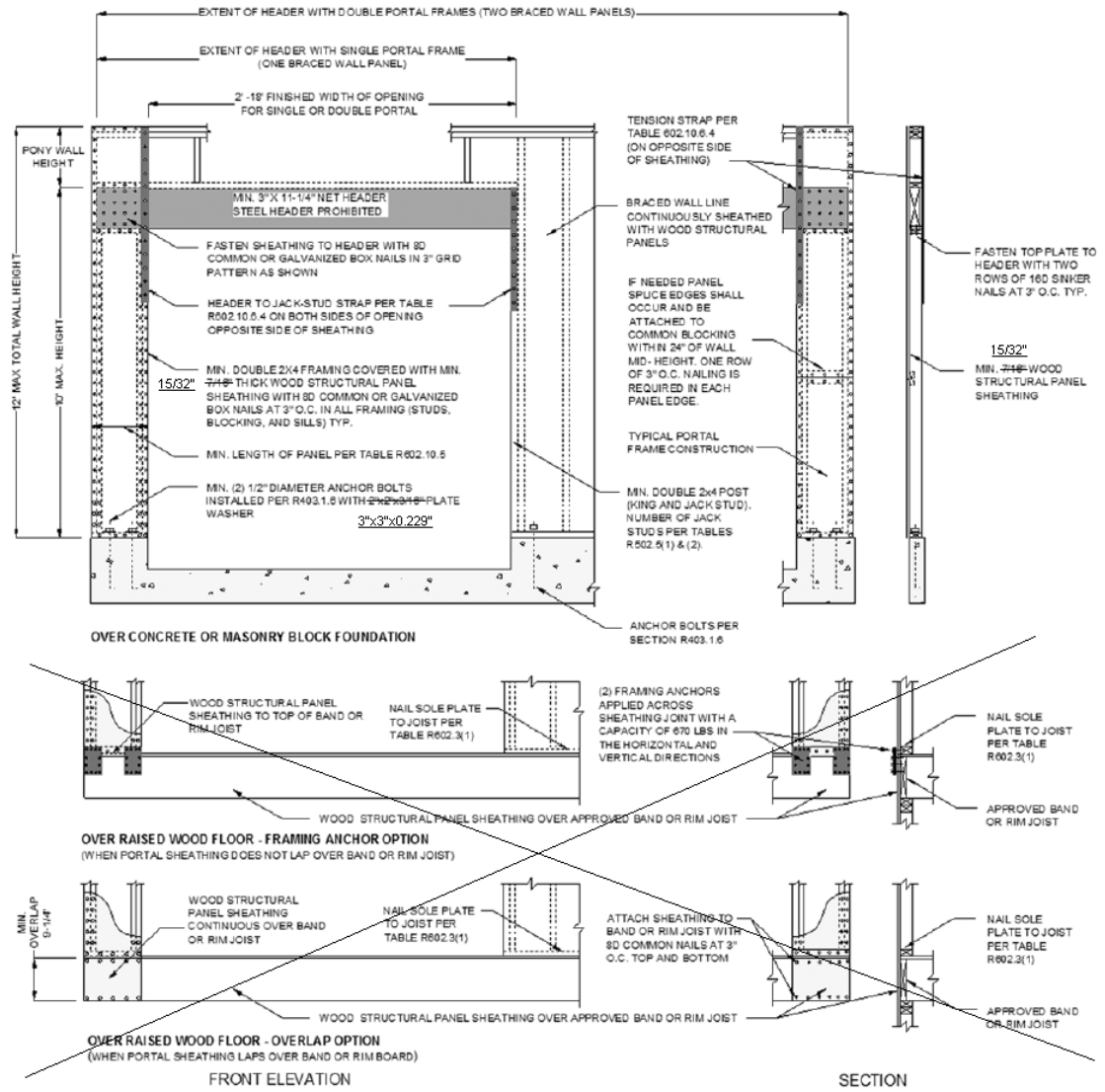
Figure R602.10.6.2 of the 2022 CRC is amended to read as follows:



For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm.

FIGURE R602.10.6.2
METHOD PFH—PORTAL FRAME WITH HOLD-DOWNS
AT DETACHED GARAGE DOOR OPENINGS

Figure R602.10.6.4 of the 2022 CRC is amended to read as follows:



For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm.

FIGURE R602.10.6.4
METHOD CS-PF-CONTINUOUSLY SHEATHED PORTAL FRAME PANEL CONSTRUCTION

Section R606.4.4 of the 2022 CRC is amended to read as follows:

R606.4.4 Parapet walls.

Unreinforced solid masonry parapet walls shall not be less than 8 inches (203 mm) thick and their height shall not exceed four times their thickness. Unreinforced hollow unit masonry parapet walls shall be not less than 8 inches (203 mm) thick, and their height shall not exceed three times their thickness. Masonry parapet walls in areas subject to wind loads of 30 pounds per square foot (1.44 kPa) or located in Seismic Design Category D₀, D₁ or D₂, or on townhouses in Seismic Design Category C shall be reinforced in accordance with Section R606.12.

Section R606.12.2.2.3 of the 2022 CRC is amended to read as follows:

R606.12.2.2.3 Reinforcement requirements for masonry elements.

Masonry elements listed in Section R606.12.2.2.2 shall be reinforced in either the horizontal or vertical direction as shown in Figure R606.11 (3) and in accordance with the following:

1. Horizontal reinforcement. Horizontal joint reinforcement shall consist of least one No. 4 bar spaced not more than 48 inches (1219 mm). Horizontal reinforcement shall be provided within 16 inches (406 mm) of the top and bottom of these masonry elements.
2. Vertical reinforcement. Vertical reinforcement shall consist of at least one No. 4 bar spaced not more than 48 inches (1219 mm). Vertical reinforcement shall be within 8 inches (406mm) of the ends of masonry walls.

Section R803.2.4 is added to Chapter 8 of the 2022 CRC to read as follows:

R803.2.4 Openings in horizontal diaphragms.

Openings in horizontal diaphragms shall conform with Section R503.2.4.

Section 905.3.1 of the 2022 CRC is amended to read as follows:

R905.3.1 Deck requirements. Concrete and clay tile shall be installed only over solid sheathing.

Exception: Spaced lumber shall be permitted in Seismic Design Categories A, B, and C.

Section R1001.3.1 of the 2022 CRC is amended to read as follows:

R1001.3.1 Vertical reinforcing.

For chimneys up to 40 inches (1016 mm) wide, four No. 4 continuous vertical bars adequately anchored into the concrete foundation shall be placed between wythes

of solid masonry or within the cells of hollow unit masonry and grouted in accordance with Section R609. Grout shall be prevented from bonding with the flue liner so that the flue liner is free to move with thermal expansion. For chimneys more than 40 inches (1016 mm) wide, two additional No. 4 vertical bars adequately anchored into the concrete foundation shall be provided for each additional flue incorporated into the chimney or for each additional 40 inches (1016 mm) in width or fraction thereof.”

SECTION 4. Sections 13-3-1 and 13-3-2 of Chapter 3 of Title 13 of the ESMC are repealed and replaced by the following to read as follows:

“CHAPTER 3

ELECTRICAL CODE

13-3-1: ADOPTION OF CALIFORNIA ELECTRICAL CODE, 2022 Edition: Pursuant to California Government Code Section 50022.2, the California Electrical Code, 2022 Edition, published as Title 24, Part 3, of the California Code of Regulations, including all Annexes except H, (“CEC”) is adopted by reference, subject to the amendments, additions and deletions set forth in Section 13-3-2. One true copy of the CEC, is on file in the office of the Building Official and is available for public inspection as required by law.”

SECTION 5. Sections 13-4-1 and 13-4-2 of Chapter 4 of Title 13 of the ESMC are repealed replaced by the following to read as follows:

“CHAPTER 4

MECHANICAL CODE

13-4-1: ADOPTION OF CALIFORNIA MECHANICAL CODE, 2022 EDITION.

Pursuant to California Government Code § 50022.1 to 50022.8, the California Mechanical Code, 2022 Edition, published as Title 24, Part 4, of the California Code of Regulations, including all Appendices except A and E (“CMC”) is adopted by reference, subject to the amendments, additions and deletions set forth below. One true copy of the CMC, is on file in the office of the Building Official and is available for public inspection as required by law.

13-4-2: AMENDMENTS TO THE MECHANICAL CODE.

Section 104.0 of the CMC is hereby amended to read as follows:

CMC Section 104.0 Permits, is deleted in its entirety. The 2022 California Building Code, as incorporated into the El Segundo Municipal Code, will govern the administration of the CMC.

Section 104.5 of the CMC is hereby amended to read as follows:

CMC Section 104.5 Fees, is deleted in its entirety. The 2022 California Building Code, as incorporated into the El Segundo Municipal Code, will govern the administration of the CMC.”

Section 107.0 of the CMC is hereby amended as follows:

CMC Section 107.0, Board of Appeals, is deleted in its entirety. The 2022 California Building Code, as incorporated into the El Segundo Municipal Code, will govern the administration of the CMC.

SECTION 6. Sections 13-5-1 and 13-5-2 of Chapter 5 of Title 13 of the ESMC are repealed and replaced by the following to read as follows:

“CHAPTER 5

PLUMBING CODE

13-5-1: ADOPTION OF CALIFORNIA PLUMBING CODE, 2022 EDITION.

Pursuant to California Government Code § 50022.1 to 50022.8, the California Plumbing Code, 2022 Edition, published at Title 24, Part 5, of the California Code of Regulations, including all Appendices except for C, F, and L (“CPC”) is adopted by reference, subject to the amendments, additions and deletions set forth below. One true copy of the CPC, is on file in the office of the Building Official and is available for public inspection as required by law.

13-5-2: AMENDMENTS TO THE PLUMBING CODE.

Section 104.4 of the CPC is amended to read as follows:

CPC Section 104.4 Permit Issuance, is deleted in its entirety. The 2022 California Building Code, as incorporated into the El Segundo Municipal Code, will govern the administration of the CPC.

Section 104.5 of the CPC is hereby amended to read as follows:

CPC Section 104.5 Fees, is deleted in its entirety. The 2022 California Building Code, as incorporated into the El Segundo Municipal Code, will govern the administration of the CPC.”

Section 107.0 of the CPC is hereby amended to read as follows:

CPC Section 107.0, Board of Appeals, is deleted in its entirety. The 2022 California Building Code, as incorporated into the El Segundo Municipal Code, will govern the administration of the CPC.

Section 1211.8 of the CPC is hereby amended to read as follows:

1211.8 Seismic Gas Shutoff Valves.

1211.8.1 Scope. A seismic gas shutoff valve shall be installed in compliance with the requirements of this section on each gas fuel line in the following:

1211.8.1.1 Any building or structure for which a building permit was first issued on or after January 1, 2023.

1211.8.1.2 Any building or structure which is altered or expanded under a building permit first issued on or after January 1, 2023, when such alteration or addition is valued at more than \$10,000.

1211.8.1.3 Any building or structure sold on or after January 9, 2023. However, when an individual condominium unit is sold in a building that has multiple gas lines, then the requirements of this section shall apply only to the line or lines serving the condominium unit that has been sold.

1211.8.2 Maintenance. Where the installation of a seismic gas shutoff valve is required by this section in any building or structure, that seismic gas shutoff valve shall be maintained for the life of that building or structure or shall be replaced with a valve complying with the requirements of this section.

1211.8.3 General Requirements. Where the installation of a seismic gas shutoff valve on a fuel line is required by this section, that valve must:

1211.8.3.1 Be mounted rigidly to the exterior of the building or structure containing the fuel line unless the Building Official determines that the seismic gas shutoff valve has been tested and listed for an alternate method of installation.

1211.8.3.2 Be installed downstream of the gas utility meter, except that a valve may be installed upstream of the gas utility meter at the discretion of the gas utility if the valve would otherwise meet the requirements of this section.

1211.8.3.3 Be listed by an approved testing laboratory and certified by the Office of the State Architect.

1211.8.3.4 Have a thirty-year warranty which warrants that the valve is free from defects and will continue to properly operate for thirty (30) years from the date of operation.

1211.8.4 Critical Facilities. The requirements of this section shall not apply to any building that is used by any public agency for the provision of emergency services, including fire, police, and similar public safety services, provided the following:

(a) That the building or structure has available 24-hour, year-round maintenance staffing; and

(b) That the gas piping system contained in the building or structure is designed to withstand seismic effects of earthquakes.

1211.8.5 Definitions. For purposes of this section, certain terms shall be defined as follows:

1211.8.5.1 DOWNSTREAM OF THE GAS UTILITY METER. Shall refer to all customer owned gas piping.

1211.8.5.2 SEISMIC GAS SHUTOFF VALVE. A system consisting of a seismic sensing means and actuating means designed to automatically actuate a companion gas shutoff means installed in a gas piping system in order to shut off the gas downstream of the location of the gas shutoff means in the event of a severe seismic disturbance. The system may consist of separable components or may incorporate all functions in a single body. The terms "seismically activated gas shutoff valves" and "earthquake sensitive gas shutoff valves," are synonymous.

1211.8.5.3 UPSTREAM OF THE GAS UTILITY METER. Shall refer to all gas piping installed by the utility up to and including the meter and the utility's bypass toe at the connection to the customer owned piping."

SECTION 7. Sections 13-6-1 and 13-6-2 of Chapter 6 of Title 13 of the ESMC are repealed and replaced by the following to read as follows:

"CHAPTER 6

ENERGY CODE

13-6-1: ADOPTION OF CALIFORNIA ENERGY CODE, 2022 EDITION.

Pursuant to California Government Code § 50022.1 to 50022.8, the California Energy Code, 2022 Edition, published at Title 24, Part 6, of the California Code of Regulations, ("CEC") is adopted by reference, subject to the amendments, additions and deletions set forth below. One true copy of the CEC, is on file in the office of the Building Official and is available for public inspection as required by law."

SECTION 8. Sections 13-7-1 and 13-7-2 of Chapter 7 of Title 13 of the ESMC are repealed and replaced by the following read as follows:

"CHAPTER 7

PROPERTY MAINTENANCE CODE

13-7-1: ADOPTION OF INTERNATIONAL PROPERTY MAINTENANCE CODE, 2021 EDITION.

Pursuant to California Government Code § 50022.1 to 50022.8, the International Property Maintenance Code (IPMC), 2021 Edition, promulgated and published by the International Code Council, adopted by reference, subject to the amendments, additions and deletions

set forth below. One true copy of the IPMC, is on file in the office of the Building Official and is available for public inspection as required by law.

Section 13-7-2: AMENDMENTS TO THE PROPERTY MAINTENANCE CODE:Section [A]111.2 of the IPMC is hereby amended to read as follows:

IPMC Section [A] 111.2 Membership of board, is deleted in its entirety. The 2022 California Building Code, as incorporated into the El Segundo Municipal Code, will govern the administration of the IPMC.

Sections [A]111.2.1 through [A]111.8 of the IPMC are hereby deleted.

"SECTION 9. Sections 13-8-1 and 13-8-2 of Chapter 8 of Title 13 of the ESMC are repealed and replaced by the following to read as follows:

"CHAPTER 8

SWIMMING POOL AND SPA CODE

13-8-1: ADOPTION OF INTERNATIONAL SWIMMING POOL AND SPA CODE, 2021 EDITION.

Pursuant to California Government Code sections 50022.1 to 50022.8, the International Swimming Pool and Spa Code ("ISPSC"), 2021 Edition, promulgated and published by the International Code Council, adopted by reference, subject to the amendments, additions and deletions set forth below. One true copy of the ISPSC is on file in the office of the Building Official and is available for public inspection as required by law.

Section 13-8-2: AMENDMENTS TO THE SWIMMING POOL AND SPA CODE:

Section [A]112.1 Membership of board, is deleted in its entirety. The 2022 California Building Code, as incorporated into the El Segundo Municipal Code, will govern the administration of the ISPSC.

Section 102.9 of the 2022 ISPSC is amended to read as follows:

102.9 The provisions of this code shall not be deemed to nullify any provisions of the California Swimming Pool Safety Act (El Segundo Residential Code Appendix AX), or any other local, state or federal law.

Section 301.1.2 is added to the 2022 ISPSC to read as follows:

301.1.2 Conflicts. In the event of a conflict between the provisions of the Swimming Pool Safety Act, the International Swimming Pool and Spa Code, 2021 Edition, the 2022

California Building Code, or the 2022 California Residential Code, the Building Official shall implement the most restrictive measures cited.

Section 305 “Barrier Requirements”, in the 2022 ISPSC is deleted in its entirety.”

SECTION 10. Sections 13-9-1 and 13-9-2 of Chapter 9 of Title 13 of the ESMC are repealed and replaced by the following to read as follows:

“CHAPTER 9

FIRE CODE

13-9-1: ADOPTION OF CALIFORNIA FIRE CODE, 2022 EDITION.

Pursuant to California Government Code sections 50022.1 to 50022.8, the California Fire Code (“CFC”), 2022 Edition, published as Title 24, Part 9, is adopted by reference, subject to the amendments, additions and deletions set forth below. One true copy of the CFC is on file in the office of the Building Official and is available for public inspection as required by law.

Section 13-9-2: AMENDMENTS TO THE FIRE CODE:

Section 1.11.4.1 of the 2022 CFC is amended to read as follows:

1.11.4.1 Fees. The fire department is authorized to collect fees for permits, fire inspections and other services, including the review of plans, annual fire inspections and new business inspections. Fees shall be paid by the applicant prior to issuance of permits. Fire department fees shall be subject to change based upon the producer’s price index.

Section 104.1.1 is added to the 2022 CFC to read as follows:

104.1.1 Authority of the Fire Chief and Fire Department.

1. The Fire Chief is authorized and directed to enforce all applicable State fire laws and provisions of this ordinance and to perform such duties as directed by the El Segundo City Council.
2. The Fire Chief is authorized to administer, interpret, and enforce this ordinance. Under the Fire Chief’s direction, the El Segundo Fire Department is authorized to enforce ordinances of the City of El Segundo pertaining to the following:

- 2.1. The prevention of fires.

- 2.2. The suppression or extinguishment of dangerous or hazardous fires.
 - 2.3. The storage, use, and handling of hazardous materials.
 - 2.4. The installation and maintenance of automatic, manual, and other private fire alarm systems and fire extinguishing equipment.
 - 2.5. The maintenance and regulation of fire escapes.
 - 2.6. The maintenance of fire protection and the elimination of fire hazards on land, in buildings, structures and other property, including those under construction.
 - 2.7. The maintenance of means of egress.
 - 2.8. The investigation of the cause, origin and circumstances of fire and unauthorized releases of hazardous materials.
3. The following persons are hereby authorized to interpret and enforce the provisions of this ordinance and to make arrests and issue citations as authorized by law:
- 3.1. The Fire Chief, Peace Officers and Public Officers of the El Segundo Fire Department.
 - 3.2. The Police Chief and any police officer serving the city of El Segundo.
 - 3.3. Officers of the California Highway Patrol.
 - 3.4. Code Officers of El Segundo Code Enforcement Department

Section 104.1.2 is added to the 2022 CFC to read as follows:

104.1.2 Operating Guidelines. The El Segundo Fire Department Fire Prevention Standard Operating Guidelines has been created and adopted to serve as instructions and interpretations of the adopted Fire Code. The El Segundo Fire Department Fire Prevention Standard Operating Guidelines shall be a published document, amended from time to time to provide current instruction and interpretation.

Section 104.11.2 is added to the 2022 CFC to read as follows:

104.11.2 Technical assistance. When there is a fire, explosion, hazardous materials incident or other potential life or serious property threatening

situation, the fire code official can request the owner to or operator to hire a private fire protection or hazardous materials investigator, acceptable to the fire code official and at the expense of the owner or operator, to provide a full report of the incident, including, without limitation, such matters as origin, cause, circumstances or proposed solution to the problem.

Section 104.12.4 is added to the 2022 CFC to read as follows:

104.1.4 Financial Responsibility. Any person who personally, or through another, willfully, negligently, or in violation of law, sets a fire, allows a fire to be set, or allows a fire kindled or attended by him/her to escape from his/her control, allows any hazardous material to be handled, stored, disposed of or transported in a manner not in accordance with this Code, State law or nationally recognized Standards, allows any hazardous material to escape from his/her control, allows continuation of a violation of this Code is liable for the expense of fighting the fire or for the expenses incurred during a hazardous materials incident, and such expense will be a charge against that person.

Section 104.12.4 is added to the 2022 CFC to read as follows:

104.12.4 Authority of Peace Officers. In enforcing the provisions of the California Fire Code, California Building Code, California Health & Safety Code, California Penal Code, California Vehicle Code and the El Segundo Municipal Code and such laws, orders, rules and regulations, variances and standards in connection therewith, the Fire Marshal and Fire Prevention Specialist are hereby given the powers of peace officers.

Section 105.2 of the 2022 CFC is amended to read as follows:

105.2 Application for Permit. Applications for permits will be made to the fire prevention office in such form and detail as prescribed by the fire code official. Applications for permits must be accompanied by such plans as required by the fire code official. Any applicable permit and/or plan check fees must be paid at the time of application for the permit and/or plan review.

Section 107.4 of the 2022 CFC is amended to read as follows:

107.4 Work commencing before permit issuance. A person who commences any work before obtaining the necessary permits shall be subject to a fee in addition the normally established plan check fee, equal to 100% of such normally established permit fee, or as otherwise determined by the fire code official.

Section 107.7 is added to the 2022 CFC to read as follows:

107.7 Cost Recovery. Fire suppression, investigation, rescue, or emergency medical costs are recoverable in accordance with Health and Safety Code Sections 13009 and 13009.1, as may be amended from time to time. Additionally, any person who negligently, intentionally or in violation of law causes an emergency response, including, but not limited to, a traffic accident, spill of toxic or flammable fluids or chemicals is liable for the costs of securing such emergency, including those costs pursuant to Government Code Section 53150, et seq, as may be amended from time to time. Any expense incurred by the El Segundo Fire Department for securing such emergency shall constitute a debt of such person and shall be collectable by the city of El Segundo in the same manner as in the case of an obligation under contract, express or implied.

Section 108.2.1 of the 2022 CFC is amended to read as follows:

108.2.1 Inspection requests. It is the duty of the holder of the permit or their duly authorized agent to notify the fire code official when work is ready for inspection. It is the duty of the permit holder to provide access to and means for inspection of such work that are required by this code. Every request for inspection must be filed not less than three working days before such inspection is desired. Such request must be in writing and all inspection fees paid prior to requesting.

Section 111.5 is added to the 2022 CFC to read as follows:

111.5 Filing fee and application. The City will assess a fee in an amount set by resolution at the time that an appellant files an appeal of any order, decisions, or determination made by the fire code official relative to the application and interpretation of this Code. The fee is refundable should the appellant prevail in a decision by the Board. The appeal must be taken by filing a written notice of appeal, in letterform, to the Board of Appeals. The Board's decision constitutes the City's final decision.

Section 112.4 of the 2022 CFC is amended to read as follows:

112.4 Violation penalties. Persons who shall violate a provision of this code or fail to comply with any of its requirements or who shall erect, install, alter, repair or do work in violation of the approved construction documents or directive of the fire code official, or of a permit or certificate used under provisions of this code, shall be guilty of a misdemeanor, punishable by a fine of not more than \$1,000 dollars or by imprisonment not exceeding 6 months, or both such fine and imprisonment. Each day that a violation continues after due notice has been served constitutes a separate offense.

Section 202, definition of “Fire Chief” in the 2022 CFC is amended to read as follows:

FIRE CHIEF. The Fire Chief of the El Segundo Fire Department or the Fire Chief’s designee.

Section 202, definition of “Low-Rise Building” is added to the 2022 CFC to read as follows:

LOW-RISE BUILDING. Is any building that is less than four stories in height from the lowest level of fire department access.

Section 202, definition of “Mid-Rise Building” is added to the 2022 CFC to read as follows:

MID-RISE BUILDING. A building four or more stories high, but not exceeding 75 feet in height and not defined as a high-rise building by section 202 of the California Building Code. Height measurements shall be made from the underside of the roof or floor above the topmost space that may be occupied to the lowest fire apparatus access road level.

Section 308.1.4, “Open-Flame Cooking Devices” of the 2022 California Fire Code is deleted in its entirety.

Section 311.5, “Placards” of the 2022 California Fire Code is deleted in its entirety.

Section 503.2.1 of the 2022 CFC is amended to read as follows:

503.2.1 Dimensions. Fire apparatus access roads must have an unobstructed width of not less than 20 feet (6096 mm) exclusive of shoulders, except for approved security gates in accordance with Section 503.6, and an unobstructed vertical clearance of not less than 15 feet (4572 mm).

503.2.1.1 Access roads with vehicle parking. No access roads can be less than 32 feet (9754 mm) in width if the vehicle parking is permitted on one side of the access road and not less than 40 feet (12, 192 mm) if vehicle parking is permitted on both sides of the access road. To permit the free passage of vehicles, access roads designated for vehicle parking on only one side must have signs or markings prohibiting the parking of vehicles on the traffic flow side of the roadway.

503.2.1.2 Road divider. An access road divider into separate adjacent one-way traffic lanes by a curbed divider or similar obstacle must not be less than 15 feet (4572 mm) in unobstructed width on each side of the divider.

Section 503.6.1 is added to the 2022 CFC to read as follows:

503.6.1 Automatic opener. New motorized gates shall be provided with means to be automatically opened remotely by emergency vehicle in accordance with El Segundo Fire Department Guidelines, as may be amended from time to time.

Exception: Gates serving individual one- and two-family dwelling parcels.

Section 507.2.1 of the 2022 CFC to amended to read as follows:

507.2.1 Private fire hydrants. When required, private on-site fire hydrants shall be in accordance with the location and spacing specified for public streets and hydrants for similar occupancies. All private hydrants shall be installed in accordance with NFPA 24, Installation of Private Fire Service Mains and their Appurtenances, unless required to meet public standards. Private hydrants shall be painted red. When alternate materials or methods of protection, as approved by the chief are provided, these requirements may be modified or waived.

Section 510.4.2.9 is added to the 2022 CFC to read as follows:

510.4.2.9 Building conduit and pathway survivability. All new buildings shall be constructed with not less than a two inch (2") dedicated conduit raceway or other method approved by the fire code official for future expandability, or the installation of an Emergency Responder Radio Coverage System. The raceway shall meet pathway survivability requirements in NFPA 1221 and shall be installed from the lowest floor level to the roof.

510.4.2.9.1 Identification. The raceway and junction boxes shall be labeled "Emergency Responder Radio Coverage System use only".

Section 511 is added to the 2022 CFC to read as follows:

Section 511 Mid-Rise Buildings

Section 511.1 General

511.1.1 Scope. In addition to other applicable provisions of this code, other laws and regulations, and any policies of the fire code official, the provisions of this article applies to every mid-rise building, of any type construction, newly constructed after the adoption of this Code, or which undergoes a complete renovation that requires the complete vacancy of the building.

Exceptions: The following structures, while defined as mid-rise buildings, are not subject to this article:

1. Buildings used exclusively as open parking garage;
2. Buildings where all floors above the third floor (9,144 mm) level are used exclusively as open parking garage;
3. Buildings such as power plants, lookout towers, steeples, grain houses, and similar structures with non-continuous human occupancy, when so determined by the fire code official;
4. Buildings used exclusively for jails, prisons, and hospitals.

511.1.2 Definitions. For definitions of MID-RISE BUILDING and BUILDING ACCESS, see Section 202.

511.2 Building Access.

511.2.1 Building Access. Building access must be provided and approved by the fire code official.

511.3 Fire and Life Safety Requirements.

511.3.1 Automatic Fire Sprinklers. Every mid-rise building must be protected throughout by an automatic fire sprinkler system that is designed and installed in conformance with NFPA 13. A shut-off valve and a water flow alarm device must be provided for each floor.

511.3.2 Standpipes. Every mid-rise building must be provided with a class I standpipe system in each required stairway. The standpipe system must be interconnected with the fire sprinkler system. The system must consist of 2 1/2 inch hose valves provided for each floor level above or below grade. Two hose outlets must also be located on the roof, outside of each stair shaft enclosure that penetrates the roof. Hose connections must be located in the exit vestibule, unless otherwise approved by the fire code official.

511.3.3 Smoke Detection. Smoke detectors must be provided in accordance with this section. Smoke detectors must be connected to an automatic fire alarm system installed in accordance with NFPA 72. The actuation of any detector required by this section will operate the emergency voice alarm signaling system and will place into operation all equipment necessary to prevent the circulation of smoke through air return and exhaust ductwork.

511.3.3.1 Location. Smoke detectors must be located as follows:

1. In every elevator machinery room and in all elevator lobbies. Elevator lobby detectors must be connected to an alarm verification zone or be listed as a releasing device.
2. In the main return-air and exhaust-air plenum of each air-conditioning system. Such device must be located in a serviceable area downstream of the last duct inlet.
3. At each connection to a vertical duct or riser serving two or more stories from a return-air duct or plenum of an air conditioning system. In Group R-1 and R-2 Occupancies, an approved smoke detector may be used in each return-air riser carrying not more than 5,000 cubic feet per minute and serving not more than 10 air inlet openings.
4. For Group R-1 and R-2 Occupancies, in all corridors serving as a means of egress for an occupant load for 10 or more.

511.3.4 Smoke Control. A passive or active smoke control system must be provided for all mid-rise buildings whenever a complete floor is in excess of 55 feet (16.764 m) from the lowest point of Fire Department access. Such system must be mechanical and must be designed, installed, and tested to be in compliance with Section 909.

511.3.5 Fire Alarm System. An approved and listed, automatic and manual, fully addressable and electronically supervised fire alarm system must be provided in conformance with this code and any policies of the Fire Prevention Division.

511.3.6 Emergency voice alarm signaling system. The operation of any automatic or manual fire alarm initiating device must automatically sound an alert tone followed by a pre-recorded voice instruction giving appropriate information and direction on a general or selective basis to the entire building, occupied and normally non-occupied areas.

511.3.6.1 Manual override. A manual override for emergency voice communication must be provided for all paging zones.

511.4 Central Control Station.

511.4.1 General. A central control station room for fire department-operations must be provided. The location and accessibility of the central control station room must be approved by the fire department. The room must be separated from the remainder of the building by not less than one-hour, fire resistive occupancy

separation. The room must be a minimum of 200 square feet with a minimum dimension of 8 feet. It must contain the following as a minimum:

1. The voice alarm and public address panels.
2. The fire alarm graphic annunciator panel.
3. Elevator annunciator panel when the building exceeds 55 feet in height
4. Status indicators and controls of air handling systems.
5. Controls for unlocking stairwell doors.
6. Annunciator panels for emergency and stand-by power status.
7. Annunciator panels for fire pump status.
8. Complete building plans set.
9. Work table.
10. Elevator control switches for switching of emergency power.

511.4.2 Annunciation identification. Control panels in the central control station must be permanently identified as to function. Water flow, automatic fire detection and manually activated fire alarms, supervisory and trouble signals must be monitored by an approved central monitoring station and annunciated in the central control station by means of an audible and visual indicator. For the purposes of annunciation, zoning must be in accordance with the following:

1. When the system serves more than one building, each building must be considered separately.
2. Each floor must be considered a separate zone.
3. When one or more risers serve the same floor, each riser must be considered a separate zone.

511.5 Elevators.

511.5.1 Standards. Elevators and elevator lobbies must be provided and must comply with the California Building Code and the following:

511.5.2 General. At least one elevator cab must be assigned for Fire Department use, which serves all floors of the building. All provisions hereinafter are in reference to said elevator cab(s).

511.5.2.1 Size. The size of the elevator cab must have dimensions as specified in Section 915.5.2.1.1.

511.5.2.1.1 Ambulance Stretcher. The elevator cab must be provided with adequate dimensions to accommodate an ambulance type stretcher in accordance with the provisions of Section 3002.4a.1 of California Building Code.

511.6 Standby Power.

511.6.1 General. An on-site standby power system conforming to the City of El Segundo Electrical Code must be provided. In the event of failure of the normal power source, the standby power system must provide an alternate source of electrical power to serve at least the designated loads as set forth in Section 915.6.2 at full power. The system may consist of an on-site generator or a system of batteries, or both. The installation must be in accordance with this code, nationally recognized standards, and any policies of the fire code official

511.6.2 Loads. The power load requirements for sizing the standby power system must include, without limitation to the following:

1. Exit signs and exit path illumination;
2. Fire alarm system;
3. Elevator(s) assigned for fire department use;
4. Electrically driven fire pumps (if provided);
5. Smoke control systems;
6. Stairwell pressurization;
7. Lighting circuits supplying all elevator cabs, elevator lobbies, generator room, fire pump room, and other areas designated by the fire code official.

511.6.3 Fuel Supplies. On-site fuel supplies for prime movers of a standby power generator must be sufficient for at least 12 hours at the generator's listed full load. Where fuel supplies require automatic transfer into a primary tank from a secondary fuel storage tank, the fuel transfer system must be provided with redundant fuel pumps to insure reliability. The fuel supply tank provided must be capable of storing at least 200% of the calculated amount of fuel needed.

511.7 Emergency Electrical System

511.7.1 General. Electrical systems and equipment specified in Section 915.6 are classed as emergency systems and must be installed in accordance with this code, NFPA 110, NFPA 111 and policies of the fire code official. Such systems must operate within 10 seconds of failure to normal power supply. Such emergency power supply may be separate from the standby power required for fire pumps and elevators assigned for fire department use.

511.7.2 Emergency Systems. The following are classed as emergency systems:

1. Exit signs and means of egress illumination

2. Fire alarm system
3. Fire detection system
4. Sprinkler alarm system
5. Elevator cab lighting
6. Smoke control systems.

511.8 Means of Egress

511.8.1 General. Means of egress must comply with the provisions of Section 915.8.

511.8.1 Stairway enclosures. All stairways used for exiting must be protected by an exit enclosure designed in accordance with the California Building Code, Section 1020.1 and this Section.

511.8.2.1 Construction. Construction of stairway enclosures must in accordance with the California Building Code, Section 1023.

511.8.2.2 Extent of Enclosure. Stairway enclosures must be continuous and must fully enclose all portions of the stairway. Exit enclosure must exit directly to the exterior of the building or include an exit passageway on the ground floor, leading to the exterior of the building. Each exit enclosure must extend completely through the roof and be provided with a door that leads onto the roof.

511.8.2.3 Openings and Penetrations. Openings and penetrations must be as specified in the California Building Code, Section 1023.4 and 1023.5.

511.8.2.4 Pressurized Enclosures. A pressurized stairway enclosure must be provided for all mid-rise buildings whenever a complete floor is in excess of 55 feet (16.764 m) from the lowest point of Fire Department access. The pressurized stairway must be designed and pressurized as specified in the California Building Code, Section 909.20.

511.8.2.4.1 Vestibules. Pressurized stairway enclosures, serving Mid-Rise buildings must be provided with a pressurized entrance vestibule on each floor that complies with the California Building Code, Section 909.20.

511.8.2.4.1.1 Vestibule Size. Vestibule size must be not less than 44 inches in width and not less than 72 inches in the direction of travel.

511.8.2.4.1.2 Vestibule Construction. Vestibules must have walls, ceilings

and floors of not less than two-hour fire resistive construction.

511.8.2.4.1.3 Vestibule Doors. Vestibule doors must comply with California Building Code, Section 909.20.

511.8.2.4.1.4 Pressure Differences. The minimum pressure difference within a vestibule must comply with California Building Code, Section 909.20.

511.8.2.4.1.5 Standpipes. Fire Department standpipe connections and valves serving the floor must be within the vestibule and located in a manner so as not to obstruct egress when hose lines are connected and charged.

511.8.2.5 Locking of Stairway doors. All stairway doors that are locked to prohibit access from the stairway side must have the capability of being unlocked simultaneously, without unlatching, upon a signal from the fire control room. Upon failure of normal electrical service, or activation of any fire alarm, the locking mechanism must automatically retract to the unlocked position. Hardware for locking of stairway doors must be State Fire Marshal listed and approved by the fire code official by permit before installation. Stairway doors located between the vestibules and stairway shaft must not be locked.

511.8.2.6 Communications. A telephone or other two-way communications system connected to an approved emergency service which operates continuously must be provided at not less than every third floor in each required exit stairway vestibule.

Section 901.4.8 is added to the 2022 CFC to read as follows:

901.8 Partial fire sprinkler systems. Where in this Code or the Building Code a partial fire sprinkler system is required, the fire sprinkler system must be installed, modified or extended to protect the entire building or structure.

Section 901.11 is added to the 2022 CFC to read as follows:

901.11 Problematic systems. In the event of a failure of a fire protection system or 2 or more alarms in a week where the fire code official finds no evidence of a situation requiring a response, the fire code official is authorized to require the building owner or occupant to provide a fire watch until the system is repaired. Fire watch personnel must be provided with at least one approved means for notification of the Fire Department and their only duty is to perform constant patrols of the protected premises and keep watch for fires.

Section 901.12 is added to the 2022 CFC to read as follows:

901.12 Firewatch. Per Section 901.11 the Fire Chief is authorized to require the building owner or occupant to provide a fire watch with personnel

acceptable to the Fire Chief until documentation is provided that the system is repaired and is operational. Such individuals shall be provided with at least one approved means for notification of the fire department and their only duty shall be to perform constant patrols of the protected premises, keep and maintain a log and keep watch for fires.

Section 903.2 of the 2022 CFC is amended as follows:

903.2 Where required.

A. New Buildings. Unless otherwise prohibited by law, an approved automatic sprinkler system in new buildings and structures shall be required for all occupancies.

Exception: New detached buildings under one thousand (1,000) square feet subject to approval of the Building Official or Fire Official.

B. Existing Buildings. Unless otherwise prohibited by law, an approved automatic sprinkler system shall be required in all existing buildings where either one of the following conditions exist:

(1) An addition and/or alteration is constructed which exceeds fifty (50) % of the square footage of the existing building, OR

(2) An addition of more than one thousand (1,000) square feet is constructed.

Exception: New detached buildings under 1,000 square feet in size subject to approval of the building and/or Fire Official.

Section 903.2.1 of the 2022 CFC is deleted in its entirety.

Section 903.2.2 of the 2022 CFC is deleted in its entirety.

Section 903.2.3 of the 2022 CFC is deleted in its entirety.

Section 903.2.4 of the 2022 CFC is deleted in its entirety.

Section 903.2.5 of the 2022 CFC is deleted in its entirety.

Section 903.2.6 of the 2022 CFC is deleted in its entirety.

Section 903.2.7 of the 2022 CFC is deleted in its entirety.

Section 903.2.8 of the 2022 CFC is deleted in its entirety.

Section 903.2.9 of the 2022 CFC is deleted in its entirety.

Section 903.2.10 of the 2022 CFC is deleted.

Section 903.2.10.2 of the 2022 CFC is deleted.

Section 903.2.11.1 of the 2022 CFC is deleted.

Section 903.2.11.3 of the 2022 CFC is deleted.

Section 903.2.22 is added to the 2022 CFC to read as follows:

903.2.22 Structures in the Smoky Hollow Specific Plan Area. An automatic sprinkler system must be provided throughout every facility or building hereafter constructed within the Smoky Hollow Specific Plan Area.

903.2.22.1 Existing Buildings. Unless otherwise prohibited by law, an approved automatic sprinkler system shall be required in all existing buildings where either one of the following conditions exist:

(1) An addition and/or alteration is constructed which exceeds fifty (50) % of the square footage of the existing building, OR

(2) An addition of more than one thousand (1,000) square feet is constructed.

Section 903.3.5.3 is added to the 2022 CFC to read as follows:

903.3.5.3 Hydraulically calculated systems. The design of hydraulically calculated fire sprinkler systems shall not exceed 90% of the water supply capacity.

Section 903.3.8 of the 2022 CFC is amended to read as follows:

903.3.8 Limited Area Sprinkler Systems. When a fire sprinkler system is required it shall be provided throughout the building.

Exception: Protection for specific appliances and/or hazards.

Section 903.3.9 of the 2022 CFC is amended to read as follows:

903.3.9 Floor Control valves. Floor control valves and waterflow detection assemblies shall be installed at each floor where any of the following occur:

1. Buildings where the floor level of the highest story is located more than 30 feet above the lowest level of fire department vehicle access.
2. Buildings that are three or more stories in height.
3. Buildings that are two or more stories below the highest level of fire department access.

Section 903.4.2 of the 2022 CFC is amended to read as follows:

903.4.2 Alarms. One exterior approved audible and visible device, located on the exterior of the building in an approved location, shall be connected to each automatic sprinkler system. Such sprinkler water-flow alarm device shall be activated by water flow equivalent to the flow of a single sprinkler of the smallest orifice size installed in the system. Where a fire alarm system is installed, actuation of the automatic sprinkler system shall actuate the building fire alarm system. Exterior audible and visible alarm notification shall be provided on NFPA 13, NFPA 13R and NFPA 13D systems.

Exception: Group R-3 and R-3.1 occupancies floor control valves and waterflow detection assemblies shall not be required.

Section 909.11 of the 2022 CFC is amended to read as follows:

909.11 General. The smoke-control system shall be supplied with two sources of power. Primary power shall be from the normal building power systems. Secondary power shall be from an approved standby source complying with Section 1203 of this code. The standby power source and its transfer switches shall be in a room separate from the normal power transformers and switchgear and ventilated directly to and from the exterior. The room shall be enclosed with not less than 1-hour fire barriers constructed in accordance with Section 707 or horizontal assemblies constructed in accordance with Section 712, or both.

Transfer to full standby power shall be automatic and within 60 seconds of failure of the primary power. The systems shall comply with the Electrical Code.

Exception: The secondary power is not required for pressurized enclosures in buildings of less than 5 floors used for human occupancy

Section 1207.11.3 of the 2022 CFC is amended to read as follows:

1207.11.3 Location. ESS shall be installed only in the following locations:

1. Detached garages and detached accessory structures.
2. Deleted.
3. Outdoors or on the exterior side of the exterior walls located not less than 3 feet (914mm) from doors and windows directly entering the dwelling unit.
4. Deleted.

ESS shall not be installed in any attached structure to a dwelling unit.

Section 1207.11.4 of the 2022 CFC is amended to read as follows:

1207.11.4 Energy Ratings. Individual ESS units shall have a maximum rating of 20kWh. The aggregate rating structure shall not exceed:

1. Delete.
2. 80 kWh in detached garages and detached accessory structures not associated with dwelling units
3. 80 kWh on exterior walls
4. 80 kWh outdoors on the ground.

ESS Installations exceeding the permitted individual or aggregate ratings shall be installed in accordance with Sections 1207.1 through 1207.9 of the California Fire Code.

Section 1207.11.6 "Fire Detection" of the 2022 CFC is deleted.

Section 3305.9 of the 2022 CFC is amended to read as follows:

3305.9 Separations between construction areas. Separations used in Type I and Type II construction to separate construction areas from occupied portions of the building, shall be constructed of materials that comply with one of the following:

1. Non-combustible materials.
2. Materials that exhibit a flame spread index not exceeding 25 when tested in accordance with ASTM E84 or UL 723
3. Materials exhibiting a heat peak release rate not exceeding 300kW/m when tested in accordance with ASTM E1354 at an incident heat flux of 50 kW/m² in the horizontal orientation on specimens at the thickness intended for use.

Section 5601.1.3 of the 2022 CFC is amended to read as follows:

5601.1.3 Fireworks. The possession, manufacture storage, sale, handling and use of fireworks is prohibited. The possession, sale, use, and/or discharge of "Safe and Sane" fireworks is prohibited.

Exceptions:

1. Storage and handling of fireworks as allowed by Section 5604.
2. Manufacture, assembly and testing of fireworks as allowed in Section 5605 and Health and Safety Code Division 11.
3. The use of fireworks for fireworks displays, pyrotechnic before a proximate audience and pyrotechnic special effects in motion pictures, television, theatrical or group entertainment productions are allowed in

Title 19, Division 1, Chapter 6 Fireworks reprinted in Section 5608 and Health and Safety Code Division 11.

Section 5601.3.1 of the 2022 CFC is amended to read as follows:

5601.3.1 Fireworks. The manufacturing, possession, storage sale, use and handling of fireworks, including without limitation, "Safe and Sane" fireworks, is prohibited.

Exceptions:

1. Storage of fireworks in accordance with the requirements for low order explosives in Title 19, California Code of Regulations, Chapter 10.
2. Storage of fireworks, 1.4G in accordance with the Building Code.
3. Use and handling of fireworks for professional display in accordance with Title 19, California Code of Regulations, Chapter 6.

Section 5601.7 of the 2022 CFC is amended to read as follows:

5601.7 Seizure. All fireworks including "State approved" shall be illegal in the City of El Segundo. The fire code official and police officers shall have the authority to seize, take and remove fireworks and/or safe and sane fireworks stored, sold, offered for sale, used or handled in violation of the provisions of Title 19 CCR, Division 1, Chapter 6 and Health and Safety Code, Chapter 9.

Exception: When permits are issued for such use.

5601.7.1 Financial Responsibility. See section 104.11.4 Financial Responsibility for cost recovery of enforcement of section 5609.1. Fireworks may be identified as hazardous waste by the State of California; violators shall be responsible for any disposal fees.

Section 5801.1.1 is added to the CFC to read as follows:

5801.1.1 Methane Soil Gas. All sources of methane soil gas, including petrogenic and biogenic, are subject to methane soil gas testing, passive or active mitigation, and methane detection and alarm system per El Segundo Fire Departments Guidelines.

Section B105.2 of Appendix B of the 2022 CFC is amended to read as follows:

B105.2 Buildings other than one- and two-family dwellings, Group R-3 and R-4 buildings and townhouses. The minimum fire-flow and flow duration for buildings other than one- and two-family dwellings, Group R-3 and R-4 buildings and townhouses shall be as specified in Table B105.1.

Exception: A reduction in required fire-flow up to 50 percent, as approved, is allowed when the building is protected with an approved automatic sprinkler system installed in accordance with Section 903.1.1, 903.1.2, or 903.3.1.3. The resulting fire-flow must not be less than 1,500 gallons per minute (5678 U/min) for the prescribed duration as specified in Table B105.1

Section 13-9-3: GEOGRAPHICAL LIMITS

Geographic limits referred to in certain sections of this Code are established as follows:

Establishment of limits of districts in which storage of flammable or combustible liquids in outside aboveground tanks are prohibited.

The limits referred to in Sections 5704.2.9.6.1 and 5706.2.4.4 in which the storage of Class I flammable liquids or Class II combustible liquids in aboveground tanks outside of buildings is restricted are established as the City of El Segundo's corporate boundaries.

Exceptions: Such use is allowed in the following zoning districts:

1. The storage of Class I flammable liquids or Class II combustible liquids in aboveground tanks outside of buildings is allowed in M-1 and M-2, Zones;
2. The storage of Class II combustible liquids in aboveground tanks outside of buildings is allowed in C-0, MM, MU-N, MU-Sor P-F Zones;

Establishment of limits of districts in which storage of liquefied petroleum gases are to be restricted.

The limits referred to in Section 6104.2 in which storage of liquefied petroleum gas in excess of an aggregate of 2,000 gallons water capacity is restricted are established as the City of El Segundo's corporate boundaries.

Exceptions:

1. The storage of liquefied petroleum gas in excess of an aggregate of 2,000 gallons water capacity is allowed in the M-2 Zone, when located at least one-half (1/2) mile from property zoned or designated for residential use and at least one-half (1 /2) mile from existing residential development with a density greater than one (1) dwelling unit per acre and at least one-half (1 /2) mile from any hotel or motel.
2. The storage of liquefied petroleum gas in excess of an aggregate of 2,000 gallons water capacity is allowed in M-1 Zone with a Conditional Use Permit issued by the Planning Department.

SECTION 11. Sections 13-10-1 and 13-10-2 of Chapter 10 of Title 13 of the ESMC are repealed and replaced by the following to read as follows:

“CHAPTER 10

EXISTING BUILDING CODE

13-10-1: ADOPTION OF CALIFORNIA EXISTING BUILDING CODE, 2022 EDITION.

Pursuant to California Government Code sections 50022.1 to 50022.8, the California Existing Building Code ("CEBC"), 2022 Edition, published as Title 24, Part 10, of the California Code of Regulations, is adopted by reference, subject to the amendments, additions and deletions set forth below. One true copy of the CEBC is on file in the office of the Building Official and is available for public inspection as required by law.

13-10-2: AMENDMENTS TO THE EXISTING BUILDING CODE.

Section 1.8.8. of the CEBC is hereby amended as follows:

CEBC 1.8.8 APPEALS BOARD, is deleted in its entirety. The 2022 California Building Code, as incorporated into the El Segundo Municipal Code, will govern the administration of the CEBC.”

SECTION 12. Sections 13-11-1 and 13-11-2 of Chapter 11 of Title 13 of the ESMC are repealed and replaced by the following to read as follows:

“CHAPTER 11

GREEN BUILDING STANDARDS CODE

13-11-1: ADOPTION OF CALIFORNIA GREEN BUILDING STANDARDS CODE, 2022 EDITION.

Pursuant to California Government Code sections 50022.1 to 50022.8, the California Green Building Standards Code ("CGBSC"), 2022 Edition, published as Title 24, Part 11 of the California Code of Regulations, is adopted by reference, subject to the amendments, additions and deletions set forth below. One true copy of the CGBSC is on file in the office of the Building Official and is available for public inspection as required by law.

13-11-2: AMENDMENTS TO THE GREEN BUILDING STANDARDS CODE.

Section 101.13 is added to the 2022 Edition of the California Green Building Standards Code to read as follows:

101.13 Board of Appeals. The 2022 California Building Code, as incorporated into the El Segundo Municipal Code, will govern the administration of the CGBSC.”

SECTION 13. Sections 13-19-1 of Chapter 19 of Title 13 of the ESMC is repealed and replaced by the following to read as follows:

“CHAPTER 19

SOLAR, HYDRONICS, AND GEOTHERMAL CODE

13-19-1: ADOPTION OF UNIFORM SOLAR, HYDRONICS, AND GEOTHERMAL CODE, 2021 EDITION.

Pursuant to California Government Code sections 50022.1 to 50022.8, the Uniform Solar, Hydronics, and Geothermal Code ("USHGC"), 2021 Edition, promulgated and published by the International Association of Plumbing and Mechanical Officials, adopted by reference, subject to the amendments, additions and deletions set forth below. One true copy of the USHGC is on file in the office of the Building Official and is available for public inspection as required by law.”

SECTION 14. Sections 13-23-1 of Chapter 22 of Title 13 of the ESMC are added to read as follows:

“CHAPTER 22

HISTORICAL BUILDING CODE

13-23-1: ADOPTION OF CALIFORNIA HISTORICAL BUILDING CODE, 2022 EDITION.

Pursuant to California Government Code § 50022.1 to 50022.8, the California Historical Building Code (“CHBC”), 2022 Edition, published at Title 24, Part 8, of the California Code of Regulations is adopted by reference. One true copy of the CHBC, is on file in the office of the Building Official and is available for public inspection as required by law.”

SECTION 15. *Effect of Ordinance on Past Actions and Obligations.* The adoption of this Ordinance will not affect any civil action initiated or criminal prosecution for ESMC violations committed prior to this Ordinance’s effective date; will not waive any fee or penalty due and unpaid prior to this Ordinance’s effective date; and will not affect the validity of any bond or cash deposit posted, filed, or deposited pursuant to the ESMC, prior to this Ordinance’s effective date.

SECTION 16. *Consistency; Repeal of Prior Codes.* Prior City ordinances in conflict with this Ordinance, in whole or in part, are superseded and expressly repealed.

SECTION 17. *Environmental Assessment.* The City Council determines that this ordinance is exempt from review under the California Environmental Quality Act (California Public Resources Code §§ 21000, et seq., “CEQA”) and the regulations promulgated thereunder (14 California Code of Regulations §§ 15000, et seq., the “CEQA Guidelines”) because it consists only of minor revisions and clarifications to an existing code of construction-related regulations and specification of procedures related thereto and will not have the effect of deleting or substantially changing any regulatory standards or findings required therefor, and therefore does not have the potential to cause significant

effects on the environment. In addition, this ordinance is an action being taken for enhanced protection of the environment and is exempt from further review under CEQA Guidelines § 15308. Also, there is no possibility that the ordinance may have a significant effect on the environment (14 Cal. Code Regs. § 15061(b)(3), and it will not result in a direct or reasonably foreseeable indirect physical change in the environment (14 Cal. Code Regs. § 15060(c)(2)).

SECTION 18. Construction. This Ordinance must be broadly construed in order to achieve the purposes stated in this Ordinance. It is the City Council’s intent that the provisions of this Ordinance be interpreted or implemented by the City and others in a manner that facilitates the purposes set forth in this Ordinance.

SECTION 19 Savings Clause. Repeal of any provision of the ESMC or any other city ordinance herein will not affect any penalty, forfeiture, or liability incurred before, or preclude prosecution and imposition of penalties for any violation occurring before, this Ordinance’s effective date. Any such repealed part will remain in full force and effect for sustaining action or prosecuting violations occurring before the effective date of this Ordinance.

SECTION 20 Severability. If any part of this Ordinance or its application is deemed invalid by a court of competent jurisdiction, the city council intends that such invalidity will not affect the effectiveness of the remaining provisions or applications and, to this end, the provisions of this Ordinance are severable.

SECTION 21. Publication. The City Clerk is directed to certify the passage and adoption of this Ordinance; cause it to be entered into the City of El Segundo’s book of original ordinances; make a note of the passage and adoption in the records of this meeting; and, within fifteen 15 days after the passage and adoption of this Ordinance, cause it to be published or posted in accordance with California law.

SECTION 22. Effective Date. This Ordinance will become effective on the 31st day following its passage and adoption.

SECTION 23. Filing with Building Standards Commission. The City Clerk must file a certified copy of this Ordinance with the California Building Standards Commission.

PASSED AND ADOPTED this ____ day of _____, 2022.

Drew Boyles, Mayor

ATTEST:

STATE OF CALIFORNIA)
COUNTY OF LOS ANGELES) SS
CITY OF EL SEGUNDO)

I, Tracy Weaver, City Clerk of the City of El Segundo, California, do certify that the whole number of members of the City Council of said City is five; that the foregoing Ordinance No. was duly introduced by said City Council at a regular meeting held on the _____ day of _____, 2022, and was duly passed and adopted by said City Council, approved and signed by the Mayor, and attested to by the City Clerk, all at a regular meeting of said Council held on the _____ day of _____, 2022, and the same was so passed and adopted by the following vote:

AYES:
NOES:
ABSENT:
ABSTAIN:

Tracy Weaver, City Clerk

APPROVED AS TO FORM:
MARK D. HENSLEY, CITY ATTORNEY

Joaquin Vazquez, Deputy City Attorney