

STORM WATER APPLICABILITY CHECKLIST (DS-560)

Deferred Submittal (general)

CEC Section 150.0(m)1Bi.

- Ducts installed in cavities and support platforms shall not be compressed to cause reductions in the cross-sectional area of the ducts.
- All fan systems, regardless of volumetric capacity, that exchange air between the building conditioned space and the outside of the building shall be provided with backdraft or automatic dampers to prevent unintended air leakage through the fan system when the fan system is not operating.
- Duct system sealing and leakage testing must comply with CEC Section 150.0(m)11.

Water Heating System:

- Systems using gas or propane water heaters to serve individual dwelling units shall designate a space at least 2.5 feet by 2.5 feet wide and 7 feet tall suitable for the future installation of a heat pump water heater (HPWH) by meeting either CALGreen Section 150.0.(n)1 A or B below. All electrical components shall be installed in accordance with the California Electrical Code:
- Instantaneous water heaters with an input rating greater than 6.8 kBtu/hr (2kW) shall meet the requirements of Section 110.3.(c)6.

Solar Readiness

- Solar Readiness shall be provided meeting the requirements of CEC Section 110.10.
- The residency shall have a minimum solar ready zone in compliance with CEC Section 110.10(b)1A.

Energy Storage Systems (ESS) Ready:

- All single-family residences that include one or two dwelling units must meet the following. All electrical components shall be installed in accordance with the California Electrical Code. At least one of the following shall be provided:
 - A. ESS ready interconnection equipment with a minimum backed-up capacity of 60 amps and a minimum of four ESS-supplied branch circuits, or
 - B. A dedicated raceway from the main service to a panelboard (subpanel) that supplies the branch circuits in Section 150.05(x)(2). All branch circuits are permitted to be supplied by the main service panel prior to the installation of an ESS. The trade size of the raceway shall be not less than 1 inch. The panelboard that supplies the branch circuits (subpanel) must be labeled "Subpanel shall include all backed-up load circuits."
- A minimum of four branch circuits shall be identified and have their source of supply collocated at a single panelboard suitable for use by the ESS. At least one circuit shall supply the refrigeration; at least one circuit shall be located near the primary entry and at least one circuit shall supply a sleeping room receptacle outlet. The main panelboard shall have a minimum busbar rating of 225 amps. Sufficient space shall be reserved to allow future installation of a system isolation equipment/transfer switch within 3 feet of the main panelboard. Raceways shall be installed between the panelboard and the system isolation equipment/transfer switch location to allow the connection of backup power source.

Heat Pump Space Heater Ready.

- Systems using gas or propane furnace to serve individual dwelling units shall include a dedicated 240 volt branch circuit wiring shall be installed within 3 feet from the furnace and accessible to the furnace with no obstructions. The branch circuit conductors shall be rated at 30 amps minimum. The blank cover shall be identified as "240V ready." All electrical components shall be installed in accordance with the California Electrical Code. The main electrical service panel shall have a reserved space to allow for the installation of a double pole circuit breaker for a future heat pump space heater installation. The reserved space shall be permanently marked as "For Future 240V use."

Electric Cooktop Ready:

- Systems using gas or propane cooktop to serve individual dwelling units shall include a dedicated 240 volt branch circuit wiring shall be installed within 3 feet from the cooktop and accessible to the cooktop with no obstructions. The branch circuit conductors shall be rated at 50 amps minimum. The blank cover shall be identified as "240V ready." All electrical components shall be installed in accordance with the California Electrical Code. The main electrical service panel shall have a reserved space to allow for the installation of a double pole circuit breaker for a future electric cooktop installation. The reserved space shall be permanently marked as "For Future 240V use."

2022 RESIDENTIAL -MECHANICAL/PLUMBING

Mechanical Notes

- the California Electrical Code. The main electrical service panel shall have a reserved space to allow for the installation of a double pole circuit breaker for a future electric clothes dryer installation. The reserved space shall be permanently marked as "For Future 240V use."*

Mechanical Notes

- Attic/Underfloor installation must comply with Sections 904, 908, and 909 of the California Mechanical Code (CMC).
- When a water heater compartment is openable to and is accessible from a bedroom or bathroom, fuel burning water heaters shall be separated in a closet protected with a listed, gasketed self-closing door assembly installed with a threshold/bottom seal complying with Section 504.1.1 and 504.1.2 of the California Plumbing Code. Combustion air shall be supplied to the closet from the exterior in accordance with Section 506.4 of the CPC & the water heater shall be direct venting. The closet shall be used exclusively for the water heater. CMC 504.1
- When a central heating furnace compartment is openable to and is accessible from a sleeping room such as a bedroom or a bathroom they shall be separated from bedroom in a closet protected with a listed, gasketed self-closing door assembly complying with Section 904.1.1 and 904.1.2 of the California Mechanical Code. Combustion air shall be supplied to the closet from the exterior in accordance with Section 506.4 of the CPC. The closet shall be used exclusively for the furnace. The furnace shall be of the direct vent type. CMC 904.1

Water Meter/Residential Fire Sprinkler

- Water meters for combined domestic water and fire sprinkler systems shall not be installed until the fire sprinkler system has been submitted and approved by the Building Official.
- After the building permit has been issued, the owner shall be responsible for any costs incurred as a result of changes to the design of the fire sprinkler system which produce a higher GPM and a larger meter size requirement.

Owner Signature: _____

- 2022 RESIDENTIAL - STRUCTURAL**
- General/ Special Subjects**
- Prop D/ Coastal Height Limitation Overlay Zone (If applicable to project)**
- The highest point of the roof, equipment, or any vent, pipe, antenna or other projection shall not exceed 30 feet above base of measurement (reference datum). [SDMC Section 132.0505]
 - A pre-contruction inspection is required due to the height of the proposed structure being within one foot of the maximum height allowed in the Coastal Height Limit Overlay Zone (Proposition D).
- FAA Part 77 Notification (If applicable to project)**
- FAA Self Certification option:
The City will not require notification to the FAA if a professional, licensed by the state of California to prepare construction documents, provides the following certification on their plans, along with their signature and registration stamp:
"I, _____ do hereby certify that the structure(s) or modification to existing structure(s) shown on these plans do not require Federal Aviation Administration notification because per Section 77.15 (a) of Title 14 of the Code of Federal Regulations (CFR Part 77, notification is not required."
 - A pre-contruction inspection is required due to the height of the proposed structure in relation to the FAA Part 77 Notification Surface requirements. The pre-contruction inspection must be scheduled and cleared by the flight inspection office before any subsequent inspections can be conducted. Call (858) 581-7111 to schedule the pre-contruction inspection. Contact the Inspection Services office at (858) 492-5070, if you have any questions pertaining to the inspection process.

- The deferred submittal items shall not be installed until their design and submittal documents have been approved by the Building Official. [SDMC §129.0205]
- The registered and responsible design professional shall review the deferred submittal documents and submit them to the Building Official, with annotation indicating that the deferred submittal documents have been reviewed and found to be in general conformance to the design of the building. [SDMC §129.0205].

Deferred Submittal (NFPA 13D Fire Sprinkler)

- The submittal of residential fire sprinkler plans required by California Residential Code Section R313 has been deferred.
- To avoid delays in construction, plans for fire sprinkler plans shall be submitted not less than 30 calendar days prior to installation or prior to requesting a foundation inspection. A framing/rough inspection shall not be requested prior to approval of the fire sprinkler plans.

Special Inspections (if applicable to project)

- **NOTICE TO THE APPLICANT/OWNER/ OWNER'S AGENT/ARCHITECT OR ENGINEER OF RECORD:** By using this permitted construction drawings for construction/installation of the work specified herein, you agree to comply with the requirements of City of San Diego for special inspections, structural observations, construction material testing and off-site fabrication of building components, contained in the statement of special inspections and, as required by the California construction codes.
- **NOTICE TO THE CONTRACTOR/BUILDER/INSTALLER/SUB-CONTRACTOR/OWNER-BUILDER:** By using this permitted construction drawings for construction/installation of the work specified herein, you acknowledge and are aware of, the requirements contained in the statement of special inspections. You agree to comply with the requirements of City of San Diego for special inspections, structural observations, construction material testing and off-site fabrication of building components, contained in the statement of special inspections and, as required by the California construction codes.
- The special inspector must be registered by the City of San Diego, Development Services, in the category of work required to have special inspection.
- The special inspections identified on plans are, in addition to, and not a substitute for, those inspections required to be performed by a City's building inspector.
- The construction materials testing laboratory must be approved by the City of San Diego, Development Services, for testing of materials, systems, components and equipment.
- Offsite fabricator must be approved by the City of San Diego, Development Services for the fabrication of members and assemblies on the premises of the fabricator's shop.
- Offsite fabricator shall submit an 'Application to perform Off-Site Fabrication' to the Inspection Services Division for approval prior to commencement of fabrication.
- Offsite fabricator shall submit a 'Certificate of Compliance for Off-Site Fabrication' to the Inspection Services Division prior to erection of fabricated items and assemblies.

Soils and Foundation

- When no geotechnical investigation report is provided:
The structure(s) will be located entirely on undisturbed native soil.
Signature _____ Owner/Licensed Engineer or Architect
- When no geotechnical investigation report is provided:
As a California Licensed Architect/Engineer, I have classified the undisturbed native soils to be _____ and per Table 1806.2 of the 2019 CBC I have assigned the foundation pressure of _____ psf, for the design of foundations related to this project.
Signature _____ of Licensed Architect/Engineer
- If the Building Inspector suspects fill, expansive soils or any geologic instability based upon observation of the foundation excavation, a soils or geological report, and resubmittal of plans to plan check to verify that report recommendations have been incorporated, may be required.

Fire Notes

- During construction, at least one extinguisher shall be provided on each floor level at each stairway, in all storage and construction sheds, in locations where flammable or combustible liquids are stored or used, and where other special hazards are present per CFC 33156.1.
- Buildings undergoing construction, alteration, or demolition shall conform to CFC Chapter 33. Welding, cutting, and other hot work shall be in conformance with CFC Chapter 35.

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- Ducts in the garage and ducts penetrating walls or ceilings separating the dwelling from the garage shall be constructed of minimum No. 26 gauge sheet steel or other approved material and shall have no openings into the garage. [CRC R302.5.2.]
- Shower compartments and bathtubs with installed shower heads shall be finished with a nonabsorbent surface that extends to a height of not less than 6 feet above the floor. [CRC R307.2.]
- Smoke alarms and smoke detectors shall be installed a minimum of 20-foot horizontal distance from a permanently installed cooking appliance.
- Smoke alarms shall be installed not less than a 3-foot horizontal distance from the door or opening of a bathroom that contains a bathtub or shower unless this would prevent placement of a smoke alarm required by other provisions of the code. [CRC R307.3.]
- Smoke alarms and smoke detectors shall not be installed within a 36-inch horizontal path from the supply registers of a forced air heating or cooling system and shall be installed outside of the direct airflow of those registers.
- Smoke alarms shall be interconnected so that activation of one alarm will activate all the alarms within the individual dwelling unit. In new construction smoke alarms shall receive their primary power source from the building wiring and shall be equipped with battery backup and low battery signal.
- Smoke alarms shall comply with NFPA 72 and shall be listed in accordance with UL 217.
- Combination smoke and carbon monoxide alarms shall be listed in accordance with UL 217 and UL 2034.
- Smoke alarm systems and components shall be California State Fire Marshal listed and approved in accordance with California Code of Regulations, Title 19, Division 1 for the purpose for which they are installed.
- Window opening control devices serving emergency escape and rescue openings shall comply with ASTM F2090. [CRC R310.1.1.]
- Add note on plans: "Window fall control device shall comply with ASTM F2090. At the emergency escape windows, the device after operation should release the control device allowing the windows to fully open providing the clear net opening area required for emergency escape window in accordance with CRC R310.2.1."

2022 RESIDENTIAL - VERY HIGH FIRE HAZARD ZONE SEVERITY ZONE

- Roof gutters shall be provided with the means to prevent the accumulation of leaves and debris in the gutter. All roof gutters and downspouts shall be constructed of non-combustible materials. (CR3375.4.5)
- Drip edge flashing used at the free edges of roofing materials shall be non-combustible.
- Valley flashings shall be not less than 0.019-inch (No. 26 galvanized sheet gage) corrosion-resistant metal installed over a minimum 36-inch-wide underlayment consisting of one layer of No. 72 ASTM cap sheet running the full length of the valley. (CR3375.5.3)
- Chimneys, flues or stoveships attached to any fireplace, stove, barbecue or other solid or liquid fuel burning equipment or device shall be equipped with an approved spark arrester.
- Turbine attic vents shall be equipped to allow one-way direction rotation only and shall not free spin in both directions.
- Glazing frames made of vinyl materials shall have welded corners, metal reinforcement in the interlock area, and be certified to the most current edition of ANSI/AAMA/NWWD/101/1015.2 structural requirements.

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Part B - Determine Construction Site Priority
This prioritization must be completed within this form, noted on the plans, and included in the SWPPP or WPCP. The city reserves the right to adjust the priority of projects both before and after construction. Construction projects are assigned an inspection frequency based on if the project has a "high threat to water quality." The City has aligned the local definition of "high threat to water quality" to the risk determination approach of the State Construction General Permit (CGP). The CGP determines risk level based on project specific sediment risk and receiving water risk. Additional inspection is required for projects within the Areas of Special Biological Significance (ASBS) watershed. NOTE: The construction priority does NOT change construction BMP requirements that apply to projects; rather, it determines the frequency of inspections that will be conducted by city staff.

Complete Part B and continue to Section 2

☐ A. ASBS

A. Projects located in the ASBS watershed.

☐ B. High Priority

A. Projects that qualify as Risk Level 2 or Risk Level 3 per the Construction General Permit (CGP) and are not located in the ASBS watershed.
B. Projects that qualify as LUP Type 2 or LUP Type 3 per the CGP and are not located in the ASBS watershed.

☐ C. Medium Priority

A. Projects that are not located in an ASBS watershed or designated as a High priority site.
B. Projects that qualify as Risk Level 1 or LUP Type 1 per the CGP and are not located in an ASBS watershed.
C. WCPD projects (<5,000 square feet of ground disturbance) located within the Los Peñasquitos watershed management area.

☐ D. Low Priority

A. Projects not subject to a Medium or High site priority designation and are not located in an ASBS watershed.

Section 2: Construction Stormwater BMP Requirements

Additional information for determining the requirements is found in the [Stormwater Standards Manual](#).

Part C - Determine if Not Subject to Permanent Stormwater Requirements
Projects that are considered maintenance or otherwise not categorized as "new development projects" or "redevelopment projects" according to the [Stormwater Standards Manual](#) are not subject to Permanent Stormwater BMPs:

☒ If "yes" is checked for any number in Part C: Proceed to Part F and check "Not Subject to Permanent Stormwater BMP Requirements."

☒ If "no" is checked for all the numbers in Part C: Continue to Part D.

1. Does the project only include interior remodels and/or is the project entirely within an existing enclosed structure and does not have the potential to contact stormwater?

☐ Yes ☒ No

2. Does the project only include the construction of overhead and underground utilities without creating new impervious surfaces?

☐ Yes ☒ No

3. Does the project fall under routine maintenance? Examples include but are not limited to roof or exterior structure surface replacement, resurfacing or reconfiguring surface parking lots or existing roadways without expanding the impervious footprint and routine replacement of damaged pavement (grinding, overlay and pothole repair).

☐ Yes ☒ No

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<p>7. New development or redevelopment discharging directly to an environmentally sensitive area. The project creates and/or replaces 2,500 square feet of impervious surface (collectively over the project site), and discharges directly to an Environmentally Sensitive Area (ESA). "Discharging directly to" includes flow that is conveyed overlaid a distance of 200 feet or less from the project to the ESA, or conveyed in a pipe or open channel any distance as an isolated flow from the project to the ESA (i.e., not commingled with flows from adjacent lands).</p>		<input type="radio"/> Yes	<input type="radio"/> No
<p>8. New development or redevelopment projects of retail gasoline outlet (RGO) that create and/or replaces 5,000 square feet of impervious surface. The development project meets the following criteria: (a) 5,000 square feet or more or (b) has a projected Average Daily Traffic (ADT) of 100 or more vehicles per day.</p>		<input type="radio"/> Yes	<input type="radio"/> No
<p>9. New development or redevelopment projects of an automotive repair shop that creates and/or replaces 5,000 square feet or more of impervious surfaces. Development projects categorized in any one of Standard Industrial Classification (SIC) codes 5013, 5014, 5041, 7332-7334 or 7336-7339.</p>		<input type="radio"/> Yes	<input type="radio"/> No
<p>10. Other Pollutant Generating Project. These projects are not covered in any of the categories above but involve the disturbance of one or more acres of land and are expected to generate post-construction phase pollutants, including fertilizers and pesticides. This category does not include projects creating less than 5,000 square feet of impervious area and projects containing landscaping without a requirement for the regular use of fertilizers and pesticides (such as a slope stabilization project using native plants). Impervious area calculations need not include linear pathways for infrequent vehicle use, such as emergency maintenance access or bicycle and pedestrian paths if the linear pathways are built with pervious surfaces or if runoff from the pathway sheet flows to adjacent pervious areas.</p>		<input type="radio"/> Yes	<input type="radio"/> No

Part of a Stormwater Quality

**Development Project,*
and Development Project.***

<input type="radio"/> Yes	<input type="radio"/> No
<input type="radio"/> Yes	<input type="radio"/> No
<input type="radio"/> Yes	<input type="radio"/> No
<input type="radio"/> Yes	<input type="radio"/> No
<input type="radio"/> Yes	<input type="radio"/> No

Part F - Select the appropriate category based on the outcomes of Part C through Part E

PART F – IS THE PROJECT NOT SUBJECT TO PERMANENT STORMWATER REQUIREMENTS

1. The project is a STANDARD DEVELOPMENT PROJECT . Site design and source control BMP requirements apply. See the <u>Stormwater Standards Manual</u> for guidance.		<input type="radio"/> Yes	<input type="radio"/> No
2. The project is PDP EXEMPT . Site design and source control BMP requirements apply. Refer to the <u>Stormwater Standards Manual</u> for guidance.		<input type="radio"/> Yes	<input type="radio"/> No
4. The project is a PRIORITY DEVELOPMENT PROJECT . Site design, source control and structural pollutant BMP requirements apply. Refer to the <u>Stormwater Standards Manual</u> for guidance on determining if the project requires hydromodification plan management.		<input type="radio"/> Yes	<input type="radio"/> No

Name of Owner or Agent	Title
Signature	Date

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