

## CONSTRUCTION WITHIN A POTENTIAL METHANE HAZARD ZONE

### **Applicability:**

Methane hazard mitigation measures for the protection of structures for life safety is required for all construction activities on or within a potential methane hazard zone, defined as an area determined by the Building Official to have methane hazard risk regarding the potential to generate methane gas on-site at the lower explosive limits or greater levels due to an active, closed, or former landfill, wood waste, subsurface organic debris, or other methane-producing sources. These requirements apply to all properties identified by the Building Official to be a potential methane hazard zone, which are shown on the City's GIS mapping tool and in the City's permitting software. Note that methane hazards may exist on properties that have not been identified by the City as a potential methane hazard zone. If your property may contain buried waste, wood materials and organic debris, or other potential methane-producing sources, methane testing is recommended. The applicant must provide a methane gas inspection and report prior to issuance of any building permits, as required by the Building Official per IBC Section 104.4. The Building Official is permitted to waive methane hazard mitigation requirements if technical studies demonstrate that dangerous amounts of methane are not present at the location of the proposed structure.

### **Protection of Structures:**

All enclosed structures (above ground or below ground, including vaults) to be built within a methane hazard zone shall be protected from potential methane migration. The method for protecting a structure from methane shall be identified in a report prepared by a licensed civil engineer and submitted by the applicant to the Building Official for approval. The report shall contain a description of the investigation and recommendations for preventing the accumulation of explosive concentrations of methane gas within or under enclosed portions of the building or structure. At the time of final inspection, the civil engineer shall furnish a signed statement attesting that, to the best of the engineer's knowledge, the building or structure has been constructed in accordance with the recommendations for addressing methane gas migration.

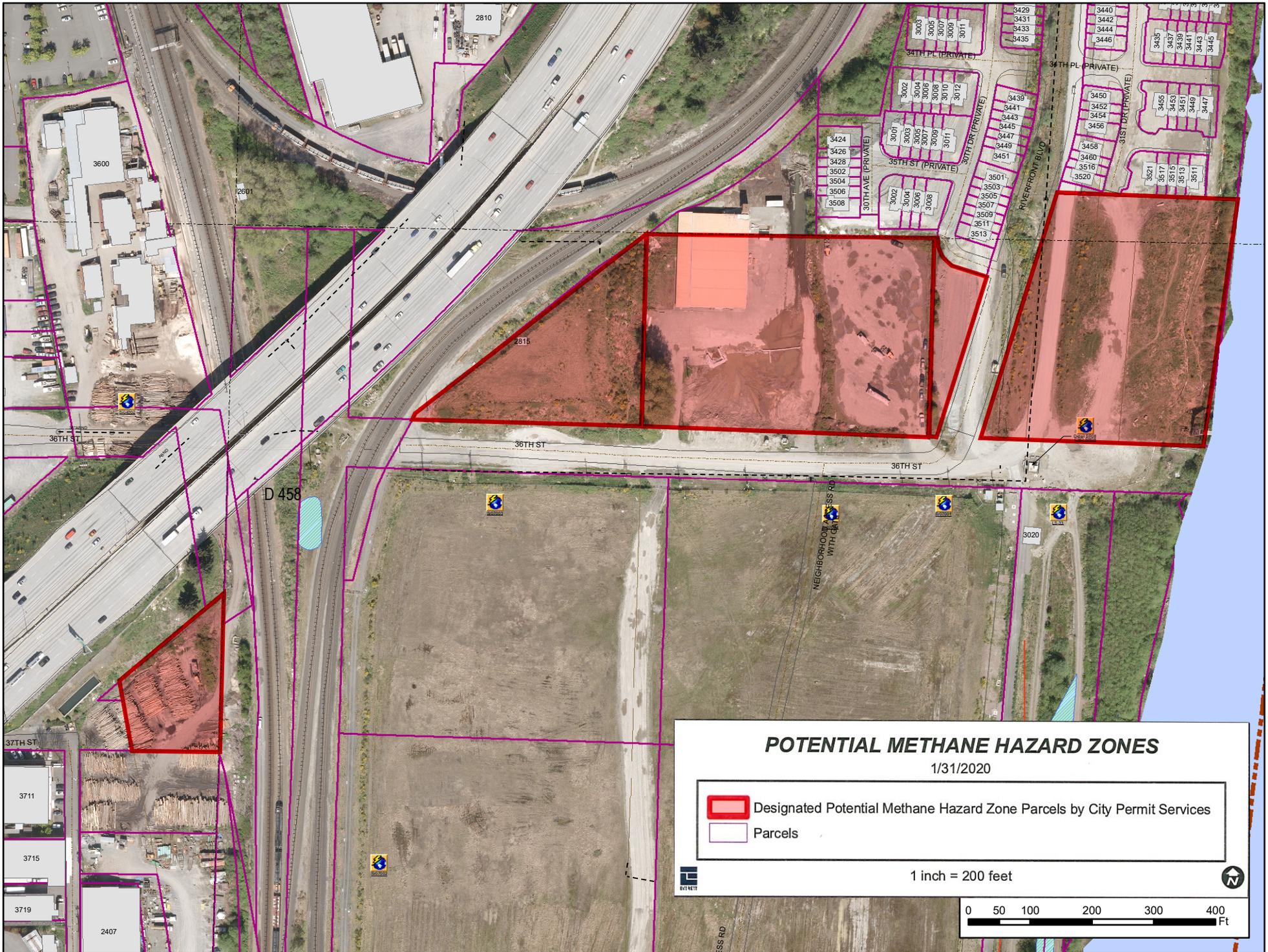
### **Methane Hazard Mitigation Standard Plan:**

The City of Los Angeles has developed a reputable standard plan for methane hazard mitigation for implementation of protection of structures. A reference to this standard plan is included below:

Methane Mitigation Standards per City of Los Angeles (see standard plans, pages 1-8):

<https://www.ladbs.org/services/core-services/plan-check-permit/methane-mitigation-standards>

Sites and applications that the applicant's civil engineer has determined to have a potential for methane generation and for mitigation measures to be implemented shall follow the current Methane Hazard Mitigation Standard Plans issued by the City of Los Angeles, Department of Building and Safety.



### POTENTIAL METHANE HAZARD ZONES

1/31/2020

-  Designated Potential Methane Hazard Zone Parcels by City Permit Services
-  Parcels

1 inch = 200 feet

