

### **1.3. OTHER APPLICABLE PERMITS**

#### **1.3.1. UPDES STORMWATER PERMIT**

- A. A UPDES (Utah Pollutant Discharge Elimination System) Permit from the State of Utah is required for all projects that disturb greater than 1 acre or are less than 1 acre and part of common plan of development or sale that is greater than 1 acre.
- B. Refer to Section 2.5 of these documents for additional City requirements regarding this permit and pollution controls.

#### **1.3.2. BUILDING PERMITS**

- A. No building permit shall be issued for a subdivision until:
  - 1. Roadbase is placed, graded, compacted, and approved on entire road surface.
  - 2. Curb and gutter is in place.
  - 3. Street signs are installed.
  - 4. All underground utilities are in place, accepted, and functional.
  - 5. It is reasonable to expect the subdivision improvements to be completed prior to the occupancy of the buildings.

#### **1.3.3. OCCUPANCY PERMITS**

- A. A developer shall not sell any portion of an approved development without informing the prospective buyer or builder that occupancy may not be obtained until all permanent improvements are installed and approved by the City.
- B. A certificate of occupancy may be issued upon compliance with the items listed in the Ivins subdivision ordinance Section 15.05.1002.

#### **1.3.4. BLASTING PERMITS**

- A. The use of explosives or blasting is generally not allowed within the City, however, if explosives or blasting are permitted, their use is controlled by the adopted Fire Code. The Contractor shall obtain a special permit from the City Public Works for the use of explosives. A copy of this permit shall be delivered to the City's Representative prior to the use of explosives. The approval by the City for the use of explosives shall not relieve the Contractor from his responsibilities for proper use and handling of the explosives or for any and all damages resulting from their use. Explosives shall be transported, stored, handled and used in accordance with the provisions and requirements of all applicable laws, ordinances and regulations.
  - 1. Permits and Blast Plan. When any blasting is to occur within the city a permit for such activity shall be applied for at least three working days prior to the desired

blasting day. A detailed blast plan shall be submitted for review at the time of application for a permit. The blast plan shall contain the following information:

- Number of holes per blast
  - Blast pattern
  - Depth of holes
  - Maximum holes per delay
  - Numbers of the delays used
  - Type of explosives used
  - Total pounds of explosives
  - Maximum pounds per delay
  - Method of detonation
  - Proximity to nearest structure
  - Expected duration of blasting activity
  - Name of independent monitoring company
  - Whether or not a pre-blast survey is required and the name of the company doing such a survey
  - Plan outline for notification of Fire Marshall, Fire Chief, or governing agency one hour prior to detonation of each blast and approximate time of each blast
2. General Blasting Criteria. Blasting activity that is to occur within one thousand (1,000) feet of any school (public or private), university, day care center, church, library, medical facility, or any public building shall be conducted during off hours where possible and shall require seismic monitoring of each blast to insure the integrity of the building as well as the safety of the occupants of said buildings. Since there is a wide variety in the type density, specific gravity, velocity and general characteristics within the graphical area of southern Utah, there are varied methods that can be employed to attain the desired results. These methods, if used and however varied, shall adhere to the appropriate limit criteria.
3. Any blasting that is intended within five hundred (500) feet of any structure (building, tunnel, underground utilities, gas lines, overhead transmission lines, pump station, piping, radio tower, or any other structure of any kind) requires that the blast be monitored with a seismograph capable of measuring peak particle velocities in three spatial components of horizontal, vertical and transverse and be capable of printing this data into a permanent record as digital as well as wave form and air blast overpressure in terms of millibar, PSI or decibel (dB) recording of each event. Any structure such as residential homes, commercial buildings, public buildings, storage facilities, or any other permanent structure that lies within five hundred (500) feet of blasting activity shall be required to have a pre-blast survey performed at the expense of the Contractor and/or the blaster by an independent company whose primary nature of business is to conduct and perform these types of services. The said company shall furnish to the Fire Chief a copy of the pre-blast survey report prior to issuance of the blasting permit. A certificate of insurance issued by an underwriter

legally doing business within the State of Utah showing Contractor and/or blaster to be properly insured for the express purpose of blasting and showing the issuing agency as additional insured, shall be submitted with the application of the blasting permit. The amount of insurance shown on the certificate of insurance shall be in the amount required by City's Fire Department or Owner's Representative. A blasting permit shall be site specific and expire thirty days from issuance.

4. Furnish and erect special signs to warn the public of blasting operations. Said signs shall be located and maintained so as to be clearly evident to the public during all critical periods of blasting operations.
5. Notify each public utility company, having structures or facilities adjacent to the work, of his intention to use explosives. Such notice shall be given sufficiently in advance to enable the companies to advise the Contractor of any precautions that should be taken to protect their structures from damage.
6. Make a survey of adjacent properties, before commencing blasting operations, locating on drawings and by photographs all existing cracks and damages to structures. A copy shall be filed with the Representative, including a report of any property owners who refused to cooperate and permit entry and inspection.
7. Blasting shall be accomplished in such a manner that nearby buildings, structures, railways, highways, etc. will be safe from rocks and other projectiles. Adequate blasting mats or other means of protection shall be employed when blasting in congested area or close proximity to any of the above improvements. Steel mats shall not be allowed within two thousand (2,000) feet of powerlines.
8. Immediately prior to the time of firing, the Contractor shall station certified flaggers along the road(s) at sufficient distance from the blasting operation to control traffic as required.
9. The City reserves the right to order the discontinuance of blasting operations at any time.
10. Logs. The blaster shall, at the request of The City, surrender logs and records, or a copy thereof, for review within twenty-four hours of receiving such request. Failure to keep current and/or surrender the logs to the City will result in the immediate cancellation of any and all permits issued. No further permits will then be issued within thirty days of submission of said records.

**THIS PAGE IS INTENTIONALLY BLANK**