SUPPLEMENTAL SHEET FOR ENCROACHMENT PERMIT
Testing Laboratory, Field Technician, and Equipment Requirements

1. The materials testing lab used shall be under the management of a registered engineer.

2. The materials testing laboratory used shall provide documentation that the laboratory is accredited by an AASHTO recognized agency or Caltrans state agency. The accredited standards should include the following in addition to required standards for the project:
   - R18
   - C1077 (Concrete & Aggregate)
   - D3666 (Asphalt & Aggregate)
   - E329 (Concrete & Aggregate)

3. Documentation shall be provided that states that the materials testing laboratory participates in one or more of the following proficiency samples testing programs:
   - AASTHO: Resource PSP
   - CCRL PSP
   - Caltrans

4. In addition to requirements stated above the testing lab must also follow these requirements.
   - Field Technicians shall be certified by a nationally recognized institute, such as ACI, NICET, Asphalt Institute, or Caltrans.
   - Equipment used “Shall” be calibrated at the minimum frequencies required by the testing being conducted.

5. Nuclear Density Gauge Documents to be provided to the City prior to conducting work.
   - Documentation of a current Radioactive Materials License and implemented radiation safety program, outlining transport/storage procedures and designated users.
   - Records for annual leak tests and calibrations of nuclear density gauges shall be provided for any gauges that will be used on the project(s).
   - A designated Radiation Safety Officer (RSO) will have reviewed and signed any and all records provided.

6. Quality control testing performed will be conducted in accordance with nationally recognized testing standards and methods such as ASTM, AASHTO, or Caltrans as determined by the project specifications. Materials testing will be performed on every type of material required for the project(s).

7. Requirements for reporting materials testing results to the city engineer.
   - Non-compliant reports need to be provided by a certain amount of time, the next day, by end of day.
   - Any aggregate tests including Sieve Analysis or Sand Equivalents - 24 hours after sampling.
   - Compaction testing (proctor or field density) - 24 hours after testing.
   - Concrete testing, strength or flexural - 24 hours after testing.
   - Any Aggregate/Soils testing on materials sampled from the job site - 48 hours after sampling.
   - Asphalt sampling and/or testing (marshall/rice or field density) to be reported within 24 hours after testing.
   - All other testing to be reported with 72 hours after sampling.
   - Any testing that cannot be completed reasonably within a 72 hour period after sampling should be advised by the lab with a reasonable report time.