

**BOUNDARY MONUMENT REQUIREMENTS,
PURSUANT TO COUNTY CODE, TITLE 21, CHAPTER 21.20**

Acceptable boundary monuments are: 2" (O.D.) IRON PIPE OF 21/2' LENGTH WITH (CEMENT) PLUG, (BRASS) TACK, AND (BRASS) TAG AND WITH THE DEPTH OF THE TOP OF THE PIPE RELATIVE TO THE GROUND SURFACE PROPERLY NOTED; 6" SPIKE AND STAMPED WASHER; or LEAD, (BRASS) TACK, AND (BRASS) TAG. When required, acceptable interior lot or parcel boundary monuments are: 1" to 2" (O.D.) IRON PIPE WITH PLUG, (BRASS) TACK, AND (BRASS) TAG; 6" SPIKE AND STAMPED WASHER; or LEAD, (BRASS) TACK, AND (BRASS) TAG. Pipes of less than 2" (O.D) and less than 21/2 feet long, concrete nails, magnetized nails, small spikes, spikes less than 6" long, PK nails, wood stakes, chiseled crosses, rebar, punch marks on manhole rims or covers, and any monument set in a vertical surface are not acceptable as boundary monuments. Interior lot or parcel boundary monuments, if required, may be a less substantial monument and are at the authority and discretion of the County Engineer or City Engineer where applicable. If other monument types are found and used, their acceptability is at the discretion of the County Engineer or City Engineer where applicable.

Every "**SET**" boundary monument must be of acceptable durability with an engraved #, stamped washer, or brass tag, and be set at a boundary corner (first preferred), be within 5 feet of the boundary corner on the map's boundary (second preferred), or be within 5 feet of the boundary corner along a prolongation of a line in the map's boundary (last preferred). Every "**FOUND**" boundary monument must have a recorded/filed reference and be "ACCEPTED AS (THE SPECIFIC RECORD BOUNDARY CORNER BEING PERPETUATED)". In all cases where any type of monument is found at a boundary corner, its complete, existing details and recorded/filed references shall be noted in the monument note on the map. Where the found monument is not of an acceptable type, it shall be replaced with an acceptable monument and marked by the surveyor of the map. When the found monument does not have a tag or a number, does not have a reference, or appears disturbed or damaged, those facts shall be duly noted in the monument note on the map. If a found boundary corner monument located at the record corner is acceptable in all ways except it is missing a tag, the monument shall be retagged, replaced, or rehabilitated as necessary until it is acceptable in all required details. If a found monument at a record point is acceptable in all ways except it does not have a reference, the monument shall be retagged, replaced, or rehabilitated as necessary until it is acceptable in all required details. All "**NO REFERENCE**" monuments, tagged or not, shall meet the requirements of the County Code and shall, by the recording of the map, be brought into the recorded reference 'world' for recorded perpetuation of its current location and for proper use by others. Every monument note of a found monument shall state specifically the type of monument found and the type of monument set. Where a firmly set and found spike and washer is located at a boundary corner, has "**NO REFERENCE**" and/or "**NO TAG**", cannot be removed without causing collateral damage to the immediate surface area, and is noted on the map as "ACCEPTED AS (THE SPECIFIC RECORD BOUNDARY CORNER BEING PERPETUATED)", the spike and washer may be considered acceptable if another acceptable monument is set using the same guidelines as stated above for "**SET**" monuments and is approved by the County Engineer.

Every "**ESTABLISHED**" boundary corner must be "ACCEPTED AS (THE SPECIFIC RECORD BOUNDARY CORNER BEING PERPETUATED)". If the boundary corner falls on a non-permanent structure, an acceptable monument shall be set along the boundary in both directions from the established boundary corner using the same guidelines as stated above for "**SET**" monuments. Locations greater than 5 feet from the boundary corner or conditions requiring alternate settings shall be at the discretion and authority of the County Engineer or City Engineer where applicable.

Additional Notes:

- Where field notes are cited, include an abbreviation in the monument note reference to indicate if the field notes are County, City, State, or other agency. For example, use "L.A. CO. P.W.F.B." for Los Angeles County Public Works Field Book, "CITY ENG. F.B." for City Engineer Field Book, "L.A. CO. R.D.F.B." for County Road Department Field Book, "CO. ENG. F.B." for County Engineer Field Book, "CO. SURVEYOR F.B." for County Surveyor Field Book, or "L.A.C.F.C.D. F.C." for Los Angeles County Flood Control Field Book.
- The preferred label of a found "LEAD, (BRASS) TACK, AND (BRASS) TAG" is "L, T, & TAG". The tack must be indicated in the abbreviation. A brass tag set in epoxy may be cited as a record reference from a Record of Survey, but shall be replaced with a durable monument if used as a boundary corner or as a monument in a line used to support the boundary establishment. The monument note shall state, "SET L & T, TAGGED L.S. ####" or "SET LD. AND TACK, TAGGED L.S. ####."
- On a pipe monument, the preferred label of "(BRASS) TACK AND (BRASS) TAG IN A CEMENT PLUG" is "TACK AND TAG IN CEMENT PLUG". The tack and the type of plug must be indicated in the abbreviation. A brass tag set in epoxy may be cited as a reference from a Record of Survey, but shall be replaced with an acceptable, durable monument if used as a boundary corner or as a monument in any line used to support the boundary establishment. As an example, the monument note shall state, "SET 2" I.P. CEMENT PLUG & TACK, TAGGED L.S. ####. FLUSH."
- State if the boundary monument falls on the top of a wall and provide the height of the boundary monument relative to the ground surface.
- Every map shall have acceptable monuments set or found along the boundary at distances not to exceed 1,000 feet or at such lesser distances as determined by the County Engineer or City Engineer where applicable. Where topography limits the line of sight between acceptable boundary monuments, additional boundary monuments shall be set or found to ensure a clear line of sight between each boundary monument along the boundary.
- Every intersection of the abutting street's centerline and the prolongation of the line in the map's boundary traversing away from the abutting street's sideline and to said centerline shall be monumented with an acceptable centerline monument.
- Every boundary corner along the map's boundary shall be monumented. This includes the locations along the boundary that are common to the sideline of an abutting public street. Where public street dedications are made, the preferred location for a boundary monument shall be at the corner of the lot or parcel that will be created after the improvement of the public street. The B.C. and E.C. of curves shall be monumented as well.
- When the map's scale is too small to correctly label, show, and delineate the leader lines and offset dimensions of a found or set boundary corner monument not at the corner being perpetuated, the map shall show a detail that clearly and legibly shows the location of the boundary corner, the location of the boundary corner monument, and the dimensions from the boundary corner to the boundary corner monument. For found boundary corner monuments, the County Engineer may require that an acceptable boundary monument be set at the boundary corner being perpetuated if sufficient working area is available.
- All monuments, not set flush, shall state the height of the monument above or below finished surface.
- Overlapping text on title lines shall be avoided at all times. Overlapping leader lines on text or title lines shall be avoided.