CITY OF LAKE ELSINORE
STANDARD PLANS

SECTION 6:
Miscellaneous
NOTES:

1.) SIGN SHALL BE 4' x 8' & HAVE MINIMUM 7' GROUND CLEARANCE
2.) SIGN SHALL BE STARK WHITE BACKGROUND AND BLUE LETTERING
NOTES

1.) CAST IRON SHALL CONFORM TO SECTION 206-3 OF "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION."

2.) LETTERING SHALL BE AS SHOWN HEREON, 1/8" HIGH, AND SHALL BE CAST INTEGRAL WITH THE CASTING.

3.) THE 3/8" DIAMETER HOLES IN THE COVER SHALL BE AS SHOWN HEREON, AND SHALL EITHER BE FORMED BY PROVIDING A REMOVABLE PLUG PRIOR TO CASTING OR DRILLED AFTER CASTING HAS COOLED AND BEFORE COATING IS APPLIED. THE HOLES SHALL NOT BE PUNCHED.

4.) AFTER CASTING HAS COOLED, IT SHALL BE GIVEN AN ASPHALTIC COATING CONFORMING TO SECTION 206-3.6 OF THE STANDARD SPECIFICATIONS.

5.) DURING INSTALLATION, WHEN THE PAVEMENT IS FOUND TO BE LESS THAN 6-5/8" THICK THE BASE OF THE MONUMENT COVER SHALL BE CUT SO THAT THE BASE OF THE MONUMENT COVER DOES NOT EXTEND INTO THE BASE. APPLY A COAT OF ASPHALTIC COATING OR ASPHALT PAINT TO ANY UNCOATED SURFACE OR CUTCEDGE.

SECTION "A-A"

SURVEY MONUMENT TYPE "A" OR "B" AS SPECIFIED BY CITY ENGINEER.
MONUMENTING STREET CENTER LINES WHEN SEWERS ARE LOCATED ON CENTER LINE.

NOTES:
1. L & T AS SHOWN HEREON INDICATES LEAD AND TACK OR STEEL PIN MONUMENT SET IN CURB.
2. LEAD AND TACK OR STEEL PIN MONUMENT WITNESS TO PROPERTY CORNER MAY BE SET, NOT REQUIRED.
3. SEE STD. NO. 601A FOR MONUMENT COVER STD. NO. 601B FOR TYPE "A" & "B" MONUMENT.

MONUMENTING STREET CENTER LINES WHERE CURBS ARE NOT REQUIRED.

TIE TO STD. "D" MONUMENT IF STREETS NOT PAVED.
MONUMENTING STREET INTERSECTIONS WHERE CURB AND GUTTERS ARE INSTALLED.

NOTES:

1. **L&T** SHOWN HEREBY INDICATES LEAD AND TACK OR STEEL PIN MONUMENT SET IN CONCRETE CURB.

2. LEAD AND TACK OR STEEL PIN MONUMENT WITNESS TO PROPERTY CORNER MAY BE SET ("E" MONUMENT) IN LIEU OF SETTING FRONT LOT CORNERS.

3. THE P.I. OF THE CURVE CLOF A STREET MAY BE MONUMENTED IN LIEU OF E.C. AND B.C. IF THE P.I. FALLS WITHIN THE TRAVELLED WAY. IT SHALL BE REFERENCED WITH L&T'S IN CURB.

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**CITY OF LAKE ELSINORE**
PREPARED BY PUBLIC WORKS

**STREET CENTER LINE MONUMENT**

4 OF 5

NO. 601D
1. GENERAL REQUIREMENTS: The subdivision boundaries, lot corners, city limits, road, street, highway centerline, angle points in all lines, beginning and end of all curved lines, shall be monumented in accordance with the hereinafter described standard monuments and procedures. Any monument having characteristics other than the hereinafter described may be used only upon written approval of the City Engineer. If an existing record and identified monument is found on the ground at the location of a subdivision corner, this monument may be used in lieu of replacement with a new monument provided the existing monument is a type considered to be durable.

2. STANDARD "A" MONUMENTS: This monument is to be one inch (inside diameter) galvanized iron pipe eighteen (18") inches long. A metal disc or plastic plug bearing the registered civil engineer or land surveyor number shall be securely affixed to the top of the pipe. The top surface of the monument shall be flush with natural ground, below the paved street surface with monument cover, and twelve (12") inches down in unpaved streets.

3. STANDARD "B" MONUMENTS: This monument is to be an eighteen (18") inch copper clad steel pin to which is secured at one end a one and one-half (1 1/2") inch conical brass cap. The monument may be used as an alternative to the type "A" monument to mark centerline control on streets. The monument is to be driven below the paved surface with monument cover. After settling the monument, the registered civil engineer or land surveyor number shall be stamped into the surface of the brass cap. See standard drawings nos. 601A and 601B.

4. STANDARD "C" MONUMENTS: This monument to consist of a 1/2" rebar, 18" long with appropriate stamped cap. See monument schedule for use of this monument.

5. STANDARD "D" MONUMENTS: This monument to consist of a 3/4" inside diameter x 18" long galvanized iron pipe driven to a point not to exceed 1" above the natural ground surface. The exact point of intersection of the lines shall be marked on the top center of the pipe by a suitable tack or nail, which in turn shall be used to secure to the stake the metal disk bearing the registered civil engineer or land surveyor number or plastic plug with RCE or LS number with mark for exact point. See monument schedule for use of this monument.

6. STANDARD "E" MONUMENTS: This monument to consist of lead plug or steel pin with metal identification disk set in concrete curb. See monument schedule for use of this monument.

7. MONUMENT SCHEDULE:

<table>
<thead>
<tr>
<th>STANDARD</th>
<th>USE OF MONUMENT</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>&quot;A&quot;</td>
<td>Tract boundary control; Street centerline control—unpaved and paved</td>
<td>As specified by the City Engineer.</td>
</tr>
<tr>
<td>&quot;B&quot;</td>
<td>Street centerline control</td>
<td>May be used in lieu of type &quot;A&quot; monument in paved streets.</td>
</tr>
<tr>
<td>&quot;C&quot;</td>
<td>Lot corner, angle point in lot line, E.C. and B.C., Lot line, Right of Way line</td>
<td></td>
</tr>
<tr>
<td>&quot;D&quot;</td>
<td>Same as &quot;C&quot;</td>
<td>All lot corner monuments except when lot corner is coincident with boudary corner may be set in the face of the curb on the prolongation of the lot line. In the event improvements in a subdivision include a block wall along the rear lot lines, a standard &quot;E&quot; monument may be set on both sides of the block wall to indicate direction of the side lot lines. Such points shall be noted on the final map as &quot;points on line.&quot;</td>
</tr>
<tr>
<td>&quot;E&quot;</td>
<td>Same as &quot;C&quot;</td>
<td></td>
</tr>
</tbody>
</table>

8. MONUMENT TIES: Upon completion of the tract monumentation, the engineer or licensed land surveyor shall furnish to the City Engineer ties to all street centerline monuments. Such ties are to be permanent physical objects, there being not less than 3 and preferably 4 ties to each monument. Whenever curb and gutter is installed, street centerline monuments are to be tied to permanent points set in the curb. These permanent points to consist of either of the following: lead and tack or steel pin driven into the concrete. Use of a cross cut into the concrete will not be acceptable. Cross over ties are preferred when made with transit and tape. The ties furnished to the City Engineer are to be prepared on 8-1/2"x11" sheets of mylar. Sketch to be clear and legible and spaced to avoid confusion or misinterpretation.
STANDARD BEING REVISED

CONTACT ENGINEERING TECHNICIAN FOR INFORMATION
12' WIDE MINIMUM CENTERLINE TO LANELINE OR LANELINE TO LANELINE

TACK COAT (BOTH SIDES)

REPLACEMENT A.C. (1" GREATER THAN EXISTING A.C. THICKNESS)

EXISTING A.C.

EXISTING BASE

COLD PLANE BOTH SIDES (1.5 " DEPTH)

EXISTING A.C.

EXISTING BASE

REPLACE BASE COURSE AS IS – 4" MINIMUM THICKNESS (95% RELATIVE COMPACATION)

TRENCH BACKFILL (90% RELATIVE COMPACATION OR 100-E-100 SLURRY)

PIPE BEDDING TO BE PLACED ACCORDING TO THE TYPE OF PIPE INSTALLED. (SEE APPROPRIATE UTILITY STD.)

SEE SHEET 3 OF 3 FOR TRENCH REPAIR NOTES.

NOTE:
Street sections newly paved, reconstructed, or overlaid within the last five (5) years will require special pavement replacement at the discretion of the City Engineer.
STANDARD BEING REVISED

CONTACT ENGINEERING TECHNICIAN
FOR INFORMATION
NOTES:

1.) LOCATION AND DEPTH OF EXISTING AND PROPOSED UTILITIES MUST BE PROVIDED BY THE SUBDIVIDER AND SHOWN ON ANY PLANS SUBMITTED TO THE CITY ENGINEER FOR APPROVAL.

2.) CHANGES MAY BE PERMITTED BY CITY ENGINEER IN CASES OF CONFLICTING FACILITIES.

3.) CONFLICTS BETWEEN UTILITY COMPANIES FACILITIES, EXISTING AND PROPOSED, MUST BE MUTUALLY RESOLVED BY THE UTILITY COMPANIES.

4.) FOR COMMERCIAL SIDEWALKS, THE FIRE HYDRANT SHALL BE PLACED WITHIN THE SIDEWALK 1.5' BEHIND FACE OF CURB.

5.) SEE STANDARD NOS. 500 AND 501 FOR LIGHTING DETAILS.
TYPICAL FENCE ELEVATION

INTERMEDIATE POST DETAIL

CHANNEL WALL AND WINGWALL DETAIL AT HEADWALL

CITY OF LAKE ELSINORE
PREPARED BY PUBLIC WORKS

FENCE AND GATES FOR WALL AND CHANNEL

604A
TYPICAL WALK GATE

TYPICAL DRIVE GATE

TYPICAL FENCE POST FOOTING EMBEDMENT DETAIL

DETAIL OF CUT-OUT FOR CHAIN AND LOCK

NOTES:
1. Secure drive fit galvanized cap to post with 1/4" round head rivet.
2. 'H' denotes fabric width and nominal fence height; 'H' shall be 3'-0" unless otherwise specified.
3. If chain link fence with top rail is specified, delete steel tension wire at the top and the pipe rails at the intermediate, end and corner posts. Extend tension rod to the top rail.
4. Barbed wire shall be used only when specified.
5. All data shown on typical details shall be applicable to other pertinent details.
6. The galvanizing of the fence fabric shall produce a zinc coating weighing not less than 1.2 oz. per sq. ft.

CITY OF LAKE ELSINORE
PREPARED BY PUBLIC WORKS
HIGHWAY
CHAIN LINK FENCE AND GATES

REVdISON DATE APPROVED
ENGINEERING DATE 07/09
APPROVED BY
CITY ENGINEER DATE
NOTE: SEE PROJECT PLAN FOR STAIR AND HANDRAIL DETAILS OR STANDARD PLAN NO. 607

PLAN

SECTION A-A

SECTION B-B

SECTION C-C

CITY OF LAKE ELSINORE
PREPARED BY PUBLIC WORKS

REINFORCED CONCRETE STAIRWAY NO. 606
HANDRAIL INSTALLATION ON STAIRWAYS

NOTE:
STAIRWAY SPACINGS AND DETAILS SHOULD BE COMPATIBLE WITH STANDARD PLAN NO. 606

SLIP JOINT DETAIL

CAP DETAIL FOR RAIL END

NOTES:
1.) TYPE B OR TYPE C SHALL BE USED WHERE ADJACENT GRADE IS MORE THAN 2'-6" BELOW LANDING OR SIDEWALK FINISHED SURFACE.
2.) PROVIDE SLIP JOINTS AT STAIRWAY EXPANSION JOINTS AND AT EVERY 24 FEET ON CENTER MAXIMUM.
3.) MAXIMUM SPACING OF POST SHALL BE 8 FEET ON STRAIGHT ALIGNMENT 6 FEET ON CURVED ALIGNMENT LESS THAN 30 FEET RADIUS. SPACING SHALL BE UNIFORM BETWEEN CHANGES IN ALIGNMENT.
TYPICAL CROSS SECTION
STANDARD BEING REVISED

CONTACT ENGINEERING TECHNICIAN
FOR INFORMATION
STANDARD BEING REVISED

CONTACT ENGINEERING TECHNICIAN FOR INFORMATION
STANDARD BEING REVISED

CONTACT ENGINEERING TECHNICIAN FOR INFORMATION
NOTES:
1. PLACE BALES PERPENDICULAR TO FLOW.
2. EMBED THE BALE 4" (100mm) INTO THE SOIL AND "KEY" THE END BALE INTO THE CHANNEL BANKS TO PREVENT FLOW AROUND THE BALE.
3. BALE PLACED IN A ROW WITH ENDS TIGHTLY ABUTTING.
4. POINT "A" SHALL BE HIGHER THAN POINT "B".
5. SPILLWAY HEIGHT SHALL NOT EXCEED 24" (0.6m)

* SEE EROSION CONTROL NOTES, CITY STANDARD NUMBER 609
NOTES:
1. PLACE CURB TYPE SEDIMENT BARRIERS ON GENTLY SLOPING STREET SEGMENTS WHERE WATER CAN POND AND ALLOW SEDIMENT TO SEPARATE FROM RUNOFF.
2. SANDBAGS, OF EITHER BURLAP OR WOVEN GEOTEXTILE FABRIC, ARE FILLED WITH GRAVEL, LAYERED AND PACKED TIGHTLY.
3. LEAVE ONE SANDBAG GAP IN THE TOP ROW TO PROVIDE A SPILLWAY FOR OVER FLOW.
4. INSPECT BARRIERS AND REMOVE SEDIMENT AFTER EACH STORM EVENT. SEDIMENT AND GRAVEL MUST BE REMOVED FROM THE TRAVEL WAY IMMEDIATELY.

* SEE EROSION CONTROL NOTES, CITY STANDARD NUMBER 609
GRAVEL AND WIRE MESH FILTER

A. PLACE WIRE MESH OVER THE CATCH BASIN SO THAT THE WIRE EXTENDS A MINIMUM OF 1 FOOT BEYOND EACH SIDE OF THE CATCH BASIN. USE HARDWARE CLOTH OR COMPARABLE WIRE MESH WITH 1/2 INCH OPENINGS. IF MORE THAN ONE STRIP OF MESH IS NECESSARY, OVERLAP THE STRIPS. PLACE FILTER FABRIC OVER WIRE MESH.

B. PLACE 3/4 TO 3 INCH GRAVEL OVER THE FILTER/WIRE MESH. THE DEPTH OF WASHED GRAVEL SHOULD BE AT LEAST 12 INCHES OVER THE ENTIRE INLET OPENING.

C. IF THE WASHED GRAVEL FILTER BECOMES CLOGGED WITH SEDIMENT, THE WASHED GRAVEL MUST BE PULLED AWAY FROM THE INLET AND CLEANED OR REPLACED. SINCE CLEANING OF WASHED GRAVEL AT A CONSTRUCTION SITE MAY BE DIFFICULT, AN ALTERNATIVE APPROACH WOULD BE TO USE THE CLOGGED WASHED GRAVEL AS FILL AND PUT FRESH WASHED GRAVEL AROUND THE INLET.

* SEE EROSION CONTROL NOTES, CITY STANDARD NUMBER 609
FILTER FABRIC MATERIAL 60" WIDE ROLLS. USE STAPLES OR WIRE RINGS TO ATTACH FABRIC TO WIRE.

2"X2"X14 GA. WIRE FABRIC OR EQUIV.
FILTER FABRIC - SECURE TO POST
WASHED GRAVEL (WHERE REQUIRED)

PROVIDE 3/4"-1.5" WASHED GRAVEL BACKFILL IN TRENCH AND ON BOTH SIDES OF FILTER FENCE FABRIC ON THE SURFACE.
2"X4" WOOD POST ALT: STEEL FENCE POSTS 6' MAX. SPACING.

2" BY 4" WOOD POSTS, STANDARD OR BETTER OR EQUAL ALTERNATE: STEEL FENCE POSTS.

FILTER FABRIC MATERIAL 60" WIDE ROLLS. USE STAPLES OR WIRE RINGS TO ATTACH FABRIC TO WIRE.
2" BY 2" BY 14 GA. WIRE FABRIC OR EQUIV.

BURY BOTTOM OF FILTER MATERIAL IN 8" BY 12" TRENCH.

* SEE EROSION CONTROL NOTES, CITY STANDARD NUMBER 609
* SEE EROSION CONTROL NOTES, CITY STANDARD NUMBER 609
STANDARD BEING REVISED;
USE CASQA STANDARD SE-2 AND/OR SE-3

Section "A-A"
GUNITE OR CONCRETE AT THE OVERFLOW IS TO EXTEND DOWN EACH FACE OF THE DIKE

Section "C-C"

NOTE:
1. INDICATE DIMENSIONS FOR D, H, W, AND O ON THE PLANS.
3. THE SPILLWAY MUST BE CONSTRUCTED WITH CONCRETE OR GUNITE WHEN D EXCEEDS 3' OR WHEN THE STORAGE VOLUME EXCEEDS 1 ACRE FOOT (1600 CUBIC YARDS). SANDBAGGED SPILLWAYS MAY BE ALLOWED FOR LESSER DEPTHS AND STORAGE VOLUMES DEPENDING ON EXISTING DOWNSTREAM DEVELOPMENT.
4. THE DIKE SHALL BE COMPACTED TO 95% COMPACTION.

CITY OF LAKE ELSINORE
MINIMUM DESILTING BASIN NO. 615
Standards For Non-Commercial Signs During Election Period

SIGN
Not more than 6' in height
Not more than 32 square feet in surface area

For Right of Way assistance, please contact City of Lake Elsinore Engineering Division at 951-674-3124, ext 241.

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Sign located outside the right of way

R/W
10' from face of curb (typical)
Sidewalk

G/L
Street

Shoulder
15' minimum from edge of pavement

Sign located outside the right of way

---

15 feet from edge of sign to edge of pavement

R/W
Edge of pavement

Sign

---

Curb & Gutter

10' typical
Sidewalk

R/W

---

CITY OF LAKE ELSINORE
PREPARED BY PUBLIC WORKS

NON COMMERCIAL ELECTION
SIGNAGE STANDARD

REVISE
DATE APPROVED

ENGINEERING DATE 07/09

APPROVED BY

CITY ENGINEER

NO. 616