**INTERMEDIATE POST DETAIL**

**CITY STANDARD FENCE**

**CITY OF LONG BEACH, CALIFORNIA**

DEPARTMENT OF PUBLIC WORKS

**CHAIN LINK FENCE AND GATES**

GREATER THAN 6’ HIGH AND LESS THAN 8’ HIGH

**REVISIONS**

<table>
<thead>
<tr>
<th>NO.</th>
<th>DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>03/17/11</td>
</tr>
<tr>
<td>2</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td></td>
</tr>
</tbody>
</table>

**APPROVED BY:**

CITY ENGINEER R.E. No. 40599

DATE: 03/37/13

**STANDARD PLAN NO.**

124

**SHEET**

1 of 9
GENERAL NOTES:
1. SECURE DRIVE-FIT GALVANIZED CAP TO POST WITH 1/4" DIA. ROUND-HEAD RIVET.
2. FABRIC WIDTH AND NOMINAL FENCE HEIGHT = 7' UNLESS OTHERWISE NOTED.
3. IF FENCE WITH TOP RAIL IS SPECIFIED, DELETE STEEL TENSION WIRE AT TOP, AND
   PIPE RAILS AT INTERMEDIATE, SLOPE, END AND CORNER POSTS.
   EXTEND TENSION ROD TO TOP RAIL.
4. BARBED WIRE SHALL BE USED ONLY WHEN SPECIFIED.
5. POST SPACING IS 10' MAXIMUM.
6. FILL CLEAR OPENINGS GREATER THAN 3" WITH FABRIC. FOR OPENINGS LESS THAN
   18", TIE FABRIC TO POSTS.
7. STEEL BANDS AT TENSION BARS SHALL BE 1/8" X 1" MINIMUM, SPACED AT 16" MAXIMUM.
8. CITY OF LONG BEACH BUILDING PERMIT SHALL BE OBTAINED.

NOTE:
FABRIC TO BE INSERTED ON
NON-SECURE SIDE OF FENCE.

SECTION

ARM (3 STRAND) GALV STEEL
BARBED WIRE HOLDER

SECURE SIDE

LINE POST SCH 40,
2 1/2" X 9" X 9" GALV
STEEL PIPE WITH EXTENSION
ARM

CONCRETE FOOTING
(SEE TABLE 201-1.1.2 (A)
STANDARD SPECIFICATIONS FOR
PUBLIC WORKS CONSTRUCTION)

GROUNDS LEVEL

POUR AGAINST
UNDISTURBED EARTH
OR FORM AND COMPACT
BACKFILL TO 95%
RELATIVE COMPACTION
TYP.

10" OR 12" DIA

PROPOSED CHAIN
LINK FENCE

EXISTING
STRUCTURE

OFFSET TO
ACCOMODATE
PIPE POLE

TIE INTO EXISTING WALL DETAIL

CITY STANDARD FENCE

CITY OF LONG BEACH, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

CHAIN LINK FENCE AND GATES
GREATER THAN 6' HIGH AND LESS THAN 8' HIGH

REVISIONS
NO. DATE
1 08/04/11
2
3
4

APPROVED BY: _________
CITY ENGINEER PE No. 40599
EX. DATE 3/31/13

DATE: 8/26/11

SHEET 2 OF 9

STANDARD PLAN NO. 124
CITY STANDARD FENCE

CITY OF LONG BEACH, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

CHAIN LINK FENCE AND GATES,
GREATER THAN 6' HIGH AND LESS THAN 8' HIGH

REVISIONS

<table>
<thead>
<tr>
<th>NO.</th>
<th>DATE</th>
<th>DRAWN BY</th>
<th>DATE</th>
<th>EX. DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>06/04/11</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

APPROVED BY: [Signature]  DATE: 8/26/11
CITY ENGINEER, P.E. No. 40599  EX. DATE: 03/31/13

STANDARD PLAN NO. 124

SHEET 3 OF 9
AIRPORT STANDARD FENCE GENERAL NOTES:

1. ALL SIZES AND GAUGES FOR PIPE POSTS, RODS, AND WIRES ARE OUTSIDE DIAMETERS

2. ALL FENCING MATERIAL AND FITTINGS SHALL BE OF HIGH GRADE DOMESTIC QUALITY STEEL, AND SHALL BEAR MARKINGS AS BEING SUCH.

3. THE CHAIN LINK FABRIC SHALL BE PLACED ON THE OUTWARD FACE OF THE POSTS, STRETCHED TAUT AND SECURELY FASTENED.

4. ALL CHAIN LINK FENCE MATERIAL AND FITTINGS SHALL CONFORM TO STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION SECTION 206-6 UNLESS OTHERWISE SPECIFIED.

5. CONCRETE FOR CHAIN LINK FENCE POST FOOTINGS SHALL BE P-610. ALL OTHER CONCRETE, INCLUDING SILL, BARRIER, FOOTINGS AND SLABS FOR GATES POSTS, SHALL BE P-610.

6. CITY OF LONG BEACH BUILDING PERMIT SHALL BE OBTAINED.

7. GATES SHALL BE PER PLAN DETAILS AND DETAILS ON SHEET 3 OF 9 OF THIS STANDARD PLAN WITH BARBED WIRE PER AIRPORT FENCING DETAILS.

NOTE:
FABRIC TO BE INSERTED ON NON-SECURE SIDE OF FENCE.

B SECTION

AIRPORT STANDARD FENCE

CITY OF LONG BEACH, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

CHAIN LINK FENCE AND GATES
GREATER THAN 6’ HIGH AND LESS THAN 8’ HIGH

STANDARD PLAN NO. 124

APPROVED BY: [Signature]
CITY ENGINEER R.E. No. 40599
DATE: 8/26/11
EX. DATE: 03/41/13

SHEET 5 OF 9
AIRPORT SILL FENCE
TYPICAL FENCE ELEVATION

AIRPORT SILL FENCE
INTERMEDIATE POST DETAIL

CITY OF LONG BEACH, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

CHAIN LINK FENCE AND GATES
GREATER THAN 6' HIGH AND LESS THAN 8' HIGH

APPROVED BY: DATE: EX. DATE: SHEET
CITY ENGINEER No. 40599 03/31/13 6 OF 9

REVISIONS
NO. DATE
A 08/04/11

STANDARD PLAN NO. 124
AIRPORT SILL FENCE GENERAL NOTES:

1. ALL SIZES AND GAUGES FOR PIPE POSTS, RODS, AND WIRES ARE OUTSIDE DIAMETERS

2. ALL FENCE MATERIAL AND FITTINGS SHALL BE OF HIGH GRADE DOMESTIC QUALITY STEEL, AND SHALL BEAR MARKINGS AS BEING SUCH.

3. THE CHAIN LINK FABRIC SHALL BE PLACED ON THE OUTWARD FACE OF THE POSTS, STRETCHED TAUT AND SECURELY FASTENED.

4. ALL CHAIN LINK FENCE MATERIAL AND FITTINGS SHALL CONFORM TO STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION SECTION 206-6 UNLESS OTHERWISE SPECIFIED.

5. CONCRETE FOR CHAIN LINK FENCE POST FOOTINGS SHALL BE P-610. ALL OTHER CONCRETE, INCLUDING SILL, BARRIER, FOOTINGS AND SLABS FOR GATES POSTS, SHALL BE P-610.

6. CITY OF LONG BEACH BUILDING PERMIT SHALL BE OBTAINED.

7. GATES SHALL BE PER PLAN DETAILS AND DETAILS ON SHEET 3 OF 9 OF THIS STANDARD PLAN WITH BARBED WIRE PER AIRPORT FENCING DETAILS.

8. CONTRACTION JOINTS SHALL BE FORMED PER CONTRACTION JOINT DETAIL ON SHEET 9 OF 9 OF THIS STANDARD PLAN

NOTE:
- FABRIC TO BE INSERTED ON NON-SECURE SIDE OF FENCE.

C SECTION

D SECTION
AIRPORT BARRIER FENCE
TYPICAL FENCE ELEVATION

AIRPORT BARRIER FENCE
INTERMEDIATE POST DETAIL

CITY OF LONG BEACH, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

CHAIN LINK FENCE AND GATES
GREATER THAN 6' HIGH AND LESS THAN 8' HIGH

REVISIONS
NO. DATE
1 08/04/11
2
3
4

APPROVED BY:  

DATE:  
EX. DATE  03/31/13

124
SHEET 8 OF 9
AIRPORT BARRIER FENCE GENERAL NOTES:

1. ALL SIZES AND GAUGES FOR PIPE POSTS, RODS, AND WIRES ARE OUTSIDE DIAMETERS

2. ALL FENCE MATERIAL AND FITTINGS SHALL BE OF HIGH GRADE DOMESTIC QUALITY STEEL, AND SHALL BEAR MARKINGS AS BEING SUCH.

3. THE CHAIN LINK FABRIC SHALL BE PLACED ON THE OUTWARD FACE OF THE POSTS, STRETCHED TAUT AND SECURELY FASTENED.

4. ALL CHAIN LINK FENCE MATERIAL AND FITTINGS SHALL CONFORM TO STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION SECTION 205-5 UNLESS OTHERWISE SPECIFIED.

5. CONCRETE FOR CHAIN LINK FENCE POST FOOTINGS SHALL BE P-610. ALL OTHER CONCRETE, INCLUDING SILL, BARRIER, FOOTINGS AND SLABS FOR GATES POSTS, SHALL BE P-610.

6. CITY OF LONG BEACH BUILDING PERMIT SHALL BE OBTAINED.

7. GATES SHALL BE PER PLAN DETAILS AND DETAILS ON SHEET 3 OF 9 OF THIS STANDARD PLAN WITH BARBED WIRE PER AIRPORT FENCING DETAILS.

8. CONTRACTION JOINTS SHALL BE FORMED PER CONTRACTION JOINT DETAIL ON SHEET 9 OF 9 OF THIS STANDARD PLAN.

CONTRACTION JOINT DETAIL

1. CONTRACTOR SHALL INSTALL CONTRACTION JOINTS IN CONCRETE SILL AND BARRIER FENCES.

2. CONTRACTION JOINT SHALL BE PROVIDED AT 20' INTERVALS. JOINT MAY BE FORMED WITH 1/8" HARDBOARD RETAINED IN JOINT AND CUT BACK TO FACE OF CONCRETE. JOINT MAY BE FORMED WITH WASTEABLE OR REMOVABLE MATERIAL.

3. CONTRACTOR MAY SUBMIT ALTERNATIVE JOINT DETAILS FOR ENGINEERS APPROVAL.

DOUBLE ARM (3 STRANDS EACH)

LINE POST - SCH. 40, 2 3/8" x 9' - 6"
VINYL-CLAD GALV. STEEL PIPE WITH EXTENSION ARM

3/4" CHAMFER

#4 BAR (6 QTY) CONTINUOUS BETWEEN CONSTRUCTION JOINTS ADJUST LOCATION AS REQUIRED AT DRAINAGE OPENINGS

GROUND LEVEL

#4 BAR @ 18" O.C. MAX.

MONOLITHIC CONCRETE BARRIER P-610

POUR AGAINST UNDISTURBED EARTH OR FORM AND COMPACT BACKFILL TO 95% RELATIVE COMPACTION

NOTE:
FABRIC TO BE INSERTED ON NON-SECURE SIDE OF FENCE.

SECTION

AIRPORT BARRIER FENCE

REVISIONS

CITY OF LONG BEACH, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

124

CHAIN LINK FENCE AND GATES
GREATER THAN 6' HIGH AND LESS THAN 8' HIGH

STANDARD PLAN NO.

1

CITY ENGINEER P.E. No. 40599

EX. DATE 03/31/13