PROJECT PLANS FOR CONSTRUCTION ADJACENT TO
STATE HIGHWAY
IN LOS ANGELES COUNTY
AT VARIOUS LOCATIONS

To be supplemented by Standard Plans dated July, 1997

LOCATION MAP

The data of construction at the location of project cannot be guaranteed for the accuracy
or completeness of specifications found in this plan sheet.

LOCATION OF CONSTRUCTION

<table>
<thead>
<tr>
<th>LOC</th>
<th>ROUTE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>10</td>
<td>ALAMADA MAINTENANCE STATION</td>
</tr>
<tr>
<td>2</td>
<td>80</td>
<td>EASTERN REGIONAL MAINTENANCE YARD</td>
</tr>
<tr>
<td>3</td>
<td>2/10</td>
<td>FOOTHILL MAINTENANCE STATION</td>
</tr>
<tr>
<td>4</td>
<td>105</td>
<td>TERMINATION PARK AND RIDE</td>
</tr>
<tr>
<td>5</td>
<td>2/10</td>
<td>VIA WOODS PARK AND RIDE</td>
</tr>
<tr>
<td>6</td>
<td>105</td>
<td>LAKESIDE PARK AND RIDE</td>
</tr>
</tbody>
</table>

AS BUILT

By: SEPTE 6, 2000

The Contractor shall possess the Class (or Classes) of license
as specified in the "Notice to Contractor".
BASIS OF BEARING AND COORDINATES

BEARINGS AND COORDINATES AS SHOWN HEREON ARE IN TERMS OF
THE CALIFORNIA COORDINATE SYSTEM OF 1983 (EPSG: 26911), ZONE 5
USING THE NORTH AMERICAN 1988 (NAD83) ELLIPSOID.
REFERENCE STATIONS ARE PUBLISHED BY THE NATIONAL GEODETIC SURVEY.

STATION       NORTHING (Y)       EASTING (X)

AOA          573,242.692          1,923,437.480
CITI         570,633.993          1,988,761.458
CLARK        587,694.831          2,096,867.526
LICH         531,969.933          1,981,660.043
LIFF         570,440.203          1,870,521.817
LONG         561,876.717          1,936,786.948
DATE         582,220.446          1,944,682.214

BENCHMARK

ELEVATIONS AS SHOWN HEREON ARE IN TERMS OF THE NORTH AMERICAN
VERTICAL DATUM OF 1988 BASED LOCALY UPON THE FOLLOWING NATIONAL
GEODETIC SURVEY CONTROL POINTS:

STATION NAME       ELEVATION (AVG)

700 B               378.476
MF 365              28.077
DIAS                243.481
T.D.E B             5.131
UP BPF              310.306
Y 609               209.558

NOTE:

1. ALL PROPERTY WITHIN CALTRANS R/W,
   R/W LINE LOCATED OUTSIDE OF SITE
   BOUNDARY.
2. FOR COMPLETE R/W, ACCESS, AND PROPERTY
   LINE DATA, SEE R/W RECORD MAPS AT THE
   CALTRANS DISTRICT OFFICE.

PROJECT CONTROL

<table>
<thead>
<tr>
<th>STA.</th>
<th>SITE</th>
<th>NAME</th>
<th>NORTHING (Y)</th>
<th>EASTING (X)</th>
<th>EPOCH</th>
<th>ELEVATION</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>6</td>
<td>564,41,430</td>
<td>2,017,035.552</td>
<td>1995.50</td>
<td>332,532</td>
<td>PK NAIL AND SHIVER IN A/C</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>6</td>
<td>564,079,586</td>
<td>2,017,057.562</td>
<td>1995.50</td>
<td>331,103</td>
<td>PK NAIL AND SHIVER IN A/C</td>
<td></td>
</tr>
</tbody>
</table>

AS BUILT

CONSTRUCTION STAKING AND SURVEY,
SITE 6 (VIA VERDE PARK AND RIDE)

BY

DATE

MAY 26, 2000

SCALE 1:500

CSS-6
All dimensions are in meters unless otherwise shown.

Trench Drain

Drainage System No 1

Scale: 1:5

300 mm plastic pipe

80 mm x 50 mm stainless steel angle
Around trench, attach with m/e
Stainless steel plate
Expands on anchors at 300 mm O.C.
50 mm expansion

300 mm plastic pipe

Redwood cover similar to pipe
Inlet type C/F

Elev 'A' see table

15 mm x 100 mm arched slit at 300 mm

15 @ 300 each way max centered at wall (typ)

Catching Basin

Drainage System No 6

Scale: 1:20

Elevation Table

<table>
<thead>
<tr>
<th>Site Name</th>
<th>Elevation 'A'</th>
<th>Elevation 'B'</th>
<th>Elevation 'C'</th>
<th>Elevation 'D'</th>
</tr>
</thead>
<tbody>
<tr>
<td>Site 6 (via verda)</td>
<td>33.57 330.09</td>
<td>328.16</td>
<td>26.09</td>
<td>25.60 24.60</td>
</tr>
<tr>
<td>Site 3 (lakewood blvd)</td>
<td>26.68</td>
<td>26.09</td>
<td>25.60</td>
<td>24.60</td>
</tr>
</tbody>
</table>

As Built

Section

Date: May 26, 2000

Drainage Details

Signature: [Signature]

Rev: 3 0 52

This drawing is for use of the engineer only.
### Drainage System NO 3

**Scale:** 1" = 20'

**New Pipe Size:**
- **4**: 8" x 8" ELEVATION 4.5
- **6**: 6" x 6" ELEVATION 6.0

**Notes:**
- All horizontal reinforcing bars shall be terminated with 600 mm long, 90 degree hooks.

**Collector Pipe:**
- Under Drain Pipe

**Filter Underdrain Plan**
- Various dimensions and measurements are provided for the installation of each component.

**Table: Site Name vs. Exist Pipe Size vs. New Pipe Size vs. Elevation**

<table>
<thead>
<tr>
<th>Site Name</th>
<th>Exist Pipe Size</th>
<th>New Pipe Size</th>
<th>Elevation A</th>
<th>Elevation B</th>
</tr>
</thead>
<tbody>
<tr>
<td>Site B (Foothill Maint.)</td>
<td>375 mm</td>
<td>400 mm</td>
<td>55.90</td>
<td>154.49</td>
</tr>
<tr>
<td>Site A (Storm Nation Park)</td>
<td>750 mm</td>
<td>300 mm</td>
<td>28.33</td>
<td>25.22</td>
</tr>
<tr>
<td>Site C (Avia Verde Park)</td>
<td>450 mm</td>
<td>300 mm</td>
<td>331.88</td>
<td>330.18</td>
</tr>
<tr>
<td>Site A (LakeWood Blvd.)</td>
<td>460 mm</td>
<td>300 mm</td>
<td>28.83</td>
<td>26.85</td>
</tr>
</tbody>
</table>

**Detail**

- Various dimensions and measurements are provided for the installation of each component.

**As Built**

- By: [Signature]
- Date: May 26, 2000

**Drainage Details**

- Size: 3.000
- Location: 07 LA VAR VAR 3 55
- Scale: 1" = 20'
ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

G7 STANDARD JOISTS
CLASS ENDING IN RIGHT ANGLE BENDS OR HOOKS SHALL CONFORM TO THE REQUIREMENTS OF ACP-360.

G8 SLOPING GLASS
CONCRETE GLASS TOWARDS TOPS THAT ARE SLOPED SHALL HAVE BOTTOMS SLOPED THE SAME ANGLES, MAINTAINING A UNIFORM SLOPE THICKNESS UNLESS OTHERWISE SHOWN.

G9 GROUND SUPPORTED SLABS
CONCRETE SLABS SUPPORTED BY GROUND UNLESS OTHERWISE NOTED, SHALL BE 150MM THICK REINFORCED WITH 4-1/2"@12" OR 6"@12" OF SLAB.

STEEL
S1 APPLICABLE CODE
STEEL CONSTRUCTION SHALL CONFORM TO SPECIFICATIONS AND STANDARDS PRESENTED IN THE 2015 EDITION OF THE AISC MANUAL OF STEEL CONSTRUCTION.

S2 MATERIAL
ALL STRUCTURAL SHAPES, BARS, PLATES AND SHEETS INDICATED ON THE DRAWINGS SHALL BE STEEL, MEETING ASTM A-36 UNLESS OTHERWISE NOTED.

S3 WELDING
WELDING MUST CONFORM TO A370 CODE FOR ARC AND OXY-FUEL WELDING IN BUILDING CONSTRUCTION. WELDERS SHALL BE CERTIFIED.

S4 ENCASING STEEL
SLABS COMPLETELY ENCASED IN CONCRETE SHALL NOT BE GUARANTEED OR PAINTED AND SHALL HAVE A CLEAN SURFACE FOR BONDING TO CONCRETE.

S5 FINISHING
STRUCTURAL STEEL SHALL BE PAINTED IN ACCORDANCE WITH SPECIFICATIONS.

ALUMINUM
A1 APPLICABLE CODE
ALUMINUM CONSTRUCTION SHALL CONFORM TO THE LATEST EDITION OF THE ALUMINUM CONSTRUCTION MANUAL OF THE ALUMINUM ASSOCIATION.

A2 MATERIAL
AN EXCISED ALUMINUM INDICATED STRUCTURAL ALUMINUM SHALL BE ALLOY D0S-105 AS SPECIFIED IN ASTM B-950.

A3 ALUMINUM IN CONTACT WITH CONCRETE
CONTACT SURFACES SHALL BE COVERED WITH HEAVY ALUMINUM RESISTANT MECHANICAL HAMMERS IN CONTACT WITH CONCRETE OR BACKING SURFACES.

AS BUILT

By:

MAY 26, 2000

DATE

STRUCTURAL GENERAL NOTES

D-27
LEGEND:

- 1: STANCHION MOUNTED JUNCTION BOX, WEATHERPROOF
- 2: STANCHION MOUNTED DUPLEX RECEPTACLE OUTLET, WEATHERPROOF
- 3: EXISTING SWITCHBOARD/PANEL BOARD AND CABINET
- 4: EXISTING ELECTRICAL EQUIPMENT
- 5: --- CROSS LINES PARTIALS NUMBER OF 1/2 AMM. NO CROSS LINES INDICATES 2X 12 AMM. UNLESS OTHERWISE NOTED, ALL CROSS LINES INDICATE NUMBERED CIRCUIT
- 6: P-1,3,6 CROSS LINES INDICATING PANELBOARD CIRCUIT NUMBERS 1 AND 3
- 7: MC --- CONDUIT, METALIC UNDERGROUND
- 8: --- EXISTING CONDUIT TO REMAIN
- 9: H20 --- STANCHION MOUNTED MOTOR STARTER FOR THE EFFLUENT PUMP, WEATHERPROOF
- 0: EFFLUENT PUMP MOTOR WITH FLOAT SWITCH

NOTES:

1. TYPE 115-VOLATILE EQUIPMENT ENCLOSURE WITH PROVISION FOR 1-120A, 800V, 30A, 240V, 20A, 2-HO-BF PANEL BOARD P-1 WITH 208/240V MAIN AND 1-50A/BF, 6-20A/BF BRANCH CIRCUIT BREAKERS
2. FOR CONNNECTION OF INFLUENT/INFLOW SAMPLER AND FLOW METER
3. FOR CONNNECTION OF EFFLUENT/OUT FLOW SAMPLER AND FLOW METER
4. EFFLUENT PUMP MOTOR (208/240V, 1-PHASE) WITH FLOAT SWITCH
5. NEMA 52C2 1-PHASE, 1-PHASE MOTER STARTED WITH D-O-A (HAND-OFF-AUTOMATIC) SWITCH FOR FLOAT CONTROL

AS BUILT

ELECTRICAL LEGEND, NOTES AND DETAILS

E-9

By

MAY 28, 2000

DATE

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