BASIS OF BEARING AND COORDINATES

Bearings and coordinates as shown herein are in terms of the California Coordinate System of 1983 (N1983, Z1983, ZONE 6, BASED
LOCALLY UPON THE FOLLOWING CONTINUOUSLY OPERATING REFERENCE
STATIONS AS PUBLISHED BY THE NATIONAL GEODETIC SURVEY AND
TRANSFORMED TO THE 1991, 35 EPOCH USING THE ITM88 MODEL VERSION 2.1.

STATION: NORTHING (Y) EASTING (X)

MVP: 580,447.164 1,983,876.722
5/13: 577,869.417 1,905,167.045
TRAK: 662,063.888 1,855,858.790

BENCHMARK

Elevations as shown herein are in terms of the North American
Vertical Datum of 1988 based locally upon the following benchmarks.

BENCHMARK NAVD88 ELEV. SOURCE
DASH 462.113 COUNTY OR CHANGE
F1415 75.315 NCS

PROJECT CONTROL

<table>
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<tr>
<th>STA</th>
<th>NORTHING (Y)</th>
<th>EASTING (X)</th>
<th>EPOCH DATE</th>
<th>ELEVATION METERS</th>
<th>DESCRIPTION</th>
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<td>606,324.716</td>
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<td>25.459</td>
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CONSTRUCTION STAKING SURVEY
CONTROL DATA
LOCATION 7

SCALE 1:1000
CONSTRUCTION LEGEND

RECONSTRUCT 75mm AC (TYPE B) / 150mm AB
REMOVE AC AND CONC GUTTER
75 mm AC (TYPE B) / 150 mm AB (C1 21)

COORDINATE POINT NORTING EASTING COORDINATE POINT NORTING EASTING
1 606332.631 1900301.996 14 606318.203 1900308.041
2 606330.804 1900369.627 15 606310.827 1900361.945
3 606324.939 1900307.315
4 606321.919 1900301.065 17 606359.947 1900780.509
5 606319.703 1900307.758 18 606331.717 1900279.435
6 606324.831 1800317.334 18 606326.912 1900283.651
7 606324.729 1900351.247 19 606332.335 1900295.274
8 DELETED DELETED
9 DELETED DELETED
10 DELETED DELETED
11 606320.220 1900356.532 24 606311.794 1900297.298
12 606314.117 1900362.545 25 606331.678 1900283.861
13 606314.667 1900359.289

NOTE:
1. FOR COMPLETE R/W AND ACCURATE ACCESS DATA,
   SEE R/W RECORD MAPS AT DISTRICT OFFICE.

PROJECT ENGINEER

CARLSBAD MAINTENANCE STATION
DRAINS DETAILS
SCALE 1: 200

THIS PLAN ACCURATE FOR DRAINAGE ONLY

D-20
CARLSBAD MAINTENANCE STATION

COORDINATE POINT | NORTHING | EASTING
--- | --- | ---
1 | 608319.072 | 900458.690
2 | 608314.808 | 900457.055
3 | 608356.279 | 900458.524
4 | 608379.296 | 900459.449
5 | 608389.814 | 900443.567
6 | 608390.087 | 900456.928
7 | 608326.931 | 900442.310

CONSTRUCTION LEGEND

75 mm AC (TYPE B) / 150 mm AB (C1 21)

DATE COMPLETED: 8.20.99
DATE ACCEPTED: 8.20.99

AS BUILT
NO CORRECTIONS THIS SHEET

DRAINAGE DETAILS
SCALE 1" : 200

THIS PLAN ACCURATE FOR DRAINAGE ONLY
TYPICAL SECTION WITH DIKE
NO SCALE

TYPICAL PULLOUT DETAIL
NO SCALE

TYPICAL B PULLOUT

CONCRETE COLLAR

DRAINAGE DETAILS
NO SCALE
### SUMMARY OF QUANTITIES

<table>
<thead>
<tr>
<th>LOCATION NO</th>
<th>LOCATION</th>
<th>REMOVE CONCRETE (CUBIC)</th>
<th>REMOVE AC, CORE / PIPE</th>
<th>REMOVE TREE</th>
<th>REMOVE FENCE</th>
<th>ASPHALT CONCRETE DIKE [CLASS III]</th>
<th>AGGREGATE CONCRETE BASE [CLASS III]</th>
<th>RELOCATE IRRIGATION SYSTEM</th>
<th>EA</th>
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<td>SECOND UPO MAINTENANCE STATION</td>
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<td>57TH / MELROSE DRIVE</td>
<td>1.54</td>
<td>*</td>
<td>41</td>
<td>0.7</td>
<td>41.7</td>
<td>4</td>
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<td>2</td>
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<td>CARLSBAD MAINTENANCE STATION</td>
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<td><strong>455.6</strong></td>
<td><strong>417.7</strong></td>
<td><strong>42.1</strong></td>
<td><strong>149.6</strong></td>
<td><strong>46.1</strong></td>
<td><strong>1</strong></td>
<td><strong>17.5</strong></td>
<td><strong>32.4</strong></td>
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* NOT A SEPARATE PAY ITEM FOR THIS LOCATION, SEE SPECIAL PROVISIONS

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**ELIMINATED FROM CONTRACT SEE CALTRANS CONTRACT NO. 11-059104, CCO NO. 8**
A. ELECTRICAL PANEL MOUNTING SUPPORT

B. PULL BOX MOUNTING DETAIL

C. STEEL ELBOW THRU FLOOR DETAIL

D. TYPICAL UNDERGROUND CONDUIT INSTALLATION

E. TYPICAL UNDERGROUND CONDUIT INSTALLATION (UNPAVED AREA)

F. SUPPORT SPACING TO STRUCTURAL MEMBERS

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PULL BOX NOTES:

1. EQUIP METAL PULL BOX EXPOSED TO WEATHER WITH WEATHER PROOF REMOVABLE COVER.
2. USE THREADED WATER TIGHT NUTS FOR TOP ENTRY.
3. USE KNOCKOUT FOR BOTTOM ENTRY ONLY.

---

NOTE: THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY.

DATE ACCEPTED: 8-20-99
DATE COMPLETED: 8-20-99

AS BUILT
NO CORRECTIONS THIS SHEET
REVISION ENGINEER: JAY CONLIN REF: E-9920

ELECTRICAL DETAILS
NO SCALE