



EDMUND G. BROWN JR.  
GOVERNOR



MATTHEW RODRIGUEZ  
SECRETARY FOR  
ENVIRONMENTAL PROTECTION

## San Diego Regional Water Quality Control Board

August 8, 2016

**Certified Mail – Return Receipt Requested**

Article Number: 7011 0470 0002 8961 9856

Mr. Matthew Souttere  
City of Escondido  
201 North Broadway  
Escondido, CA 92025

**In reply/refer to:**  
R9-2016-0089:822898:amonji

**Subject: Clean Water Act Section 401 Water Quality Certification No. R9-2016-0089  
Bear Valley/East Valley Parkways Northern Leg Project**

Mr. Souttere:

Enclosed find Clean Water Act Section 401 Water Quality Certification No. R9-2016-0089 (Certification) issued by the California Regional Water Quality Control Board, San Diego Region (San Diego Water Board ) in response to the application submitted by **Bear Valley/East Valley Parkways Northern Leg** (Project). A description of the Project and Project location can be found in the Certification and site maps which are included as attachments to the Certification.

The City of Escondido is enrolled under State Water Resources Control Board Order No. 2003-017-DWQ as a condition of the Certification and is required to implement and comply with all terms and conditions of the Certification in order to ensure that water quality standards are met for the protection of wetlands and other aquatic resources. Failure to comply with this Certification may subject the City of Escondido to enforcement actions by the San Diego Water Board including administrative enforcement orders requiring the City of Escondido to cease and desist from violations or to clean up waste and abate existing or threatened conditions of pollution or nuisance; administrative civil liability in amounts of up to \$10,000 per day per violation; referral to the State Attorney General for injunctive relief; and, referral to the District Attorney for criminal prosecution.

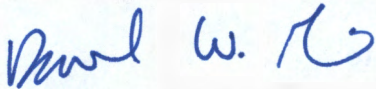
Please submit all reports and information required under this Certification in electronic format via e-mail to [SanDiego@waterboards.ca.gov](mailto:SanDiego@waterboards.ca.gov). Documents over 50 megabytes will not be accepted via e-mail and must be placed on a disc and delivered to the San Diego Water Board, 2375 Northside Drive, San Diego, CA 92108. Each electronic document must be submitted as a single file, in Portable Document Format (PDF), and converted to text searchable format using Optical Character Recognition (OCR). All electronic documents must include scanned copies of all signature pages; electronic signatures will not be accepted. Electronic documents submitted to the San Diego Water Board must include the following identification numbers in the header or subject line: Certification No. R9-2016-0089: 822898:amonji.

HENRY ABARBANEL, PH.D, CHAIR | DAVID GIBSON, EXECUTIVE OFFICER

2375 Northside Drive, Suite 100, San Diego, California 92108-2700 | [www.waterboards.ca.gov/sandiego](http://www.waterboards.ca.gov/sandiego)

For questions or comments regarding the Certification, please contact Alan Monji by telephone at (619) 521-3968 or by email at [Alan.Monji@waterboards.ca.gov](mailto:Alan.Monji@waterboards.ca.gov).

Respectfully,



DAVID W. GIBSON  
Executive Officer

Enclosure:

Clean Water Act Section 401 Water Quality Certification No. R9-2016-0089 for the Bear Valley/East Valley Parkways Northern Leg Project

DWG:jgs:eb:atm

cc:

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401 Water Quality Certification and Wetlands Unit  
[Stateboard401@waterboards.ca.gov](mailto:Stateboard401@waterboards.ca.gov)

Mr. Eric Becker  
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Tech Staff Information	
Certification No.	R9-2016-0089
Party ID	553961
Reg. Meas. ID	405066
Place ID	822898
Person ID	555133
WDID	9 0000030163

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
SAN DIEGO REGION**

2375 Northside Drive, Suite.100, San Diego, CA 92108  
Phone (619) 516-1990 • Fax (619) 516-1994  
<http://www.waterboards.ca.gov/sandiego/>

Clean Water Act Section 401 Water Quality Certification  
and Waste Discharge Requirements  
for Discharge of Dredged and/or Fill Materials

**PROJECT: Bear Valley/East Valley Parkways Northern Leg  
Project  
Certification Number R9-2016-0089  
WDID: 9000003016**

Reg. Meas. ID: 405066 Place ID: 822898 Party ID: 553961 Person ID: 555133
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**APPLICANT: City of Escondido  
201 North Broadway  
Escondido, CA 92025**

**ACTION:**

<input type="checkbox"/> Order for Low Impact Certification	<input type="checkbox"/> Order for Denial of Certification
<input checked="" type="checkbox"/> Order for Technically-conditioned Certification	<input type="checkbox"/> Enrollment in Isolated Waters Order No. 2004-004-DWQ
<input checked="" type="checkbox"/> Enrollment in SWRCB GWDR Order No. 2003-017-DWQ	

**PROJECT DESCRIPTION**

An application dated February 29, 2016 was submitted by the City of Escondido (hereinafter Applicant), for Water Quality Certification pursuant to section 401 of the Clean Water Act (United States Code (USC) Title 33, section 1341) for the proposed Bear Valley/East Valley Parkways Northern Leg (Project). The California Regional Water Quality Control Board, San Diego Region (San Diego Water Board) deemed the application to be complete on April 6, 2016. The Applicant proposes to discharge dredged or fill material to waters of the United States and/or State associated with construction activity at the Project site. The Applicant has also applied for a Clean Water Act section 404 permit from the United States Army Corps of Engineers for the Project under Nationwide Permit 14 (non-notifying).

The Project is located within the City of Escondido, San Diego County, California at Valley Center Road just north of Lake Wohlford Road. The Project center reading is located at latitude 33.161036 and longitude -117.030395. The Applicant has paid all required application fees for this Certification in the amount of \$3,132.00. On an annual basis, the Applicant shall also pay all active discharge fees and post discharge monitoring fees, as appropriate<sup>1</sup>. On

<sup>1</sup> The Applicant must pay an annual active discharge fee each fiscal year or portion of a fiscal year during which discharges occur until the San Diego Water Board or the State Water Resources Control Board (State Water Board) issues a Notice of Completion of Discharges Letter to the Applicant. The Applicant must also pay an annual post-discharge monitoring fee each fiscal year or portion of a fiscal year commencing with the first fiscal year following the fiscal year in which the San Diego Water Board or the State Water Board issued a Notice of Completion of Discharges Letter to the Applicant, but continued water quality monitoring or compensatory mitigation monitoring is required. The Applicant must pay the annual post-discharge monitoring fee each fiscal year until the San Diego Water Board or the State Water Board issues a Notice  
*(footnote continued on next page)*

June 3, 2016, the San Diego Water Board provided public notice of the Project application pursuant to California Code of Regulations, title 23, section 3858 by posting information describing the Project on the San Diego Water Board's web site and providing a period of twenty-one days for public review and comment. No comments were received.

The Applicant proposes to widen approximately one half mile of East Valley Parkway from two to six lanes extending from Beven Drive to Lake Wohlford Road, and widen Valley Center Road to four lanes from this intersection to the northern city limits. The total Project area comprises 8.9 acres. Related improvements will include new paving, sidewalks, bike lanes, sound walls, street lighting, utility undergrounding, traffic signal modifications, bridge widening (over the existing concrete-lined section of Escondido Creek), landscaping and irrigation work. The roadway widening will enhance safety for motorists, pedestrians, and bicyclists as well as reduce congestion and traffic delays in the area.

The Bear Valley/East Valley Parkway Northern Leg component will be implemented within the footprint of the larger, approved and funded Project, for which all other components have been completed. The Northern Leg is the last remaining component of the Project.

The bridge over the concrete-lined section of Escondido Creek will be widened by 18 feet 3 inches on the east side. Project activities will require permanent impacts to a total of 0.003 acre and temporary impacts to 0.133 acres of Escondido Creek. The permanent impacts in the concrete channel will consist of the extension of the five foot wide bridge pile cap by 26 feet up the center of the channel to support widening the bridge by 18 feet 3 inches on the east side. The temporary impacts to the concrete channel will be from the construction access within Escondido Creek, as well as removing and replacing an additional one foot of concrete lining on three sides of the pile cap in order to excavate and backfill around the footings.

The total Project area is 8.9 acres and will convert 3.4 acres of pervious ground cover to impervious surfaces. Permanent impacts to Escondido Creek is 0.003 acres. Runoff leaving the developed Project area would be significantly greater in volume, velocity, peak flow rate, and duration than pre-development runoff from the same area without mitigation. Post-construction best management practices (BMPs) to manage and control the effects of these runoff increases will consist of bioretention basins, bioretention swales, and directing runoff from impervious surfaces to pervious surfaces. These BMPs will be designed, constructed, and maintained to meet City of Escondido's Low Impact Development (LID) Capture Volume and hydromodification treatment requirements.

The Project application includes a description of the design objective, operation, and degree of treatment expected to be attained from equipment, facilities, or activities (including construction and post-construction-BMPs) to treat waste and reduce runoff or other effluents which may be discharged. Compliance with the Certification conditions will help ensure that construction and post-construction discharges from the Project will not cause on-site or off-site downstream erosion, damage to downstream properties, or otherwise damage stream habitats

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*(footnote continued from previous page)*

of Project Complete Letter to the Applicant. Additional information regarding fees can be found electronically at the following location:  
[http://www.waterboards.ca.gov/water\\_issues/programs/cwa401/docs/dredgefillcalculator.xlsx](http://www.waterboards.ca.gov/water_issues/programs/cwa401/docs/dredgefillcalculator.xlsx)

in violation of water quality standards in the *Water Quality Control Plan for the San Diego Basin (9)* (Basin Plan).

Project construction will permanently impact 0.003 acre (26 linear feet (LF)) and temporarily impact to 0.133 acre (206 LF) of non-wetland (concrete lined channel) waters of the United States and/or State. The Applicant reports that the Project purpose cannot be practically accomplished in a manner which would avoid or result in less adverse impacts to aquatic resources considering all potential practicable alternatives, such as the potential for alternate available locations, designs, reductions in size, configuration or density.

Additional Project details are provided in Attachments 1 through 4 of this Certification.

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### Attachments:

1. Definitions
2. Project Location Maps
3. Project Site Plans
4. CEQA Mitigation Monitoring and Reporting Program

## I. STANDARD CONDITIONS

Pursuant to section 3860 of title 23 of the California Code of Regulations, the following three standard conditions apply to all water quality certification actions:

- A. This Certification action is subject to modification or revocation upon administrative or judicial review, including review and amendment pursuant to section 13330 of the Water Code and chapter 28, article 6 (commencing with title 23, section 3867'), of the California Code of Regulations.
- B. This Certification action is not intended and shall not be construed to apply to any discharge from any activity involving a hydroelectric facility and requiring a Federal Energy Regulatory Commission (FERC) license or an amendment to a FERC license unless the pertinent Certification application was filed pursuant to California Code of Regulations title 23, section 3855 subdivision (b), and that application specifically identified that a FERC license or amendment to a FERC license for a hydroelectric facility was being sought.
- C. This Certification action is conditioned upon total payment of any fee required under title 23, chapter 28 (commencing with section 3830) of California Code of Regulations and owed by the applicant.

## II. GENERAL CONDITIONS

- A. **Term of Certification.** Water Quality Certification No. R9-2016-0089 (Certification) shall expire upon a) the expiration or retraction of the Clean Water Act section 404 (33 USC Title 33, section 1344) permit issued by the U.S. Army Corps of Engineers for this Project, or b) five (5) years from the date of issuance of this Certification, whichever occurs first.
- B. **Duty to Comply.** The Applicant must comply with all conditions and requirements of this Certification. Any Certification noncompliance constitutes a violation of the Water Code and is grounds for enforcement action or Certification termination, revocation and reissuance, or modification.
- C. **General Waste Discharge Requirements.** The requirements of this Certification are enforceable through Water Quality Order No. 2003-0017-DWQ, *Statewide General Waste Discharge Requirements for Discharges of Dredged or Fill Material that have Received State Water Quality Certification* (Water Quality Order No. 2003-0017-DWQ). This provision shall apply irrespective of whether a) the federal permit for which the Certification was obtained is subsequently retracted or is expired, or b) the Certification is expired. Water Quality Order No. 2003-0017-DWQ is accessible at:

[http://www.waterboards.ca.gov/water\\_issues/programs/cwa401/docs/generalorders/gowdr401regulated\\_projects.pdf](http://www.waterboards.ca.gov/water_issues/programs/cwa401/docs/generalorders/gowdr401regulated_projects.pdf)

- D. **Project Conformance with Application.** All water quality protection measures and BMPs described in the application and supplemental information for water quality

certification are incorporated by reference into this Certification as if fully stated herein. Notwithstanding any more specific conditions in this Certification, the Applicant shall construct, implement and comply with all water quality protection measures and BMPs described in the application and supplemental information. The conditions within this Certification shall supersede conflicting provisions within the application and supplemental information submitted as part of this Certification action.

- E. **Project Conformance with Water Quality Control Plans or Policies.** Notwithstanding any more specific conditions in this Certification, the Project shall be constructed in a manner consistent with the Basin Plan and any other applicable water quality control plans or policies adopted or approved pursuant to the Porter Cologne Water Quality Act (Division 7, commencing with Water Code Section 13000) or section 303 of the Clean Water Act (33 USC section 1313). The Basin Plan is accessible at:

[http://www.waterboards.ca.gov/sandiego/water\\_issues/programs/basin\\_plan/index.shtml](http://www.waterboards.ca.gov/sandiego/water_issues/programs/basin_plan/index.shtml)

- F. **Project Modification.** The Applicant must submit any changes to the Project, including Project operation, which would have a significant or material effect on the findings, conclusions, or conditions of this Certification, to the San Diego Water Board for prior review and written approval. If the San Diego Water Board is not notified of a significant change to the Project, it will be considered a violation of this Certification.
- G. **Certification Distribution Posting.** During Project construction, the Applicant must maintain a copy of this Certification at the Project site. This Certification must be available at all times to site personnel and agencies. A copy of this Certification shall also be provided to any contractor or subcontractor performing construction work, and the copy shall remain in their possession at the Project site.
- H. **Inspection and Entry.** The Applicant must allow the San Diego Water Board or the State Water Resources Control Board, and/or their authorized representative(s) (including an authorized contractor acting as their representative), upon the presentation of credentials and other documents as may be required under law, to:
1. Enter upon the Project premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this Certification;
  2. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this Certification;
  3. Inspect, at reasonable times, any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this Certification; and
  4. Sample or monitor, at reasonable times, for the purposes of assuring Certification compliance, or as otherwise authorized by the Clean Water Act or Water Code, any substances or parameters at any location.



- I. **Enforcement Notification.** In the event of any violation or threatened violation of the conditions of this Certification, the violation or threatened violation shall be subject to any remedies, penalties, process or sanctions as provided for under State law. For purposes of section 401(d) of the Clean Water Act, the applicability of any State law authorizing remedies, penalties, process or sanctions for the violation or threatened violation constitutes a limitation necessary to assure compliance with the water quality standards and other pertinent requirements incorporated into this Certification.
- J. **Certification Actions.** This Certification may be modified, revoked and reissued, or terminated for cause including but not limited to the following:
1. Violation of any term or condition of this Certification;
  2. Monitoring results indicate that continued Project activities could violate water quality objectives or impair the beneficial uses of Escondido Creek;
  3. Obtaining this Certification by misrepresentation or failure to disclose fully all relevant facts;
  4. A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge; and
  5. Incorporation of any new or revised water quality standards and implementation plans adopted or approved pursuant to the Porter-Cologne Water Quality Control Act or section 303 of the Clean Water Act.

The filing of a request by the Applicant for modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any Certification condition.

- K. **Duty to Provide Information.** The Applicant shall furnish to the San Diego Water Board, within a reasonable time, any information which the San Diego Water Board may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this Certification or to determine compliance with this Certification.
- L. **Property Rights.** This Certification does not convey any property rights of any sort, or any exclusive privilege.
- M. **Petitions.** Any person aggrieved by this action of the San Diego Water Board may petition the State Water Resources Control Board (State Water Board) to review the action in accordance with the California Code of Regulations, title 23, sections 3867 and following. The State Water Board must receive the petition by 5:00 p.m., 30 days after the date of this Certification. Copies of the law and regulations applicable to filing petitions may be found on the Internet at: [http://www.waterboards.ca.gov/public\\_notices/petitions/water\\_quality](http://www.waterboards.ca.gov/public_notices/petitions/water_quality) or will be provided upon request.

### III. CONSTRUCTION BEST MANAGEMENT PRACTICES

- A. **Approvals to Commence Construction.** The Applicant shall not commence Project construction until all necessary federal, State, and local approvals are obtained.
- B. **Personnel Education.** Prior to the start of the Project, and annually thereafter, the Applicant must educate all personnel on the requirements in this Certification, pollution prevention measures, spill response measures, and BMP implementation and maintenance measures.
- C. **Spill Containment Materials.** The Applicant must, at all times, maintain appropriate types and sufficient quantities of materials on-site to contain any spill or inadvertent release of materials that may cause a condition of pollution or nuisance if the materials reach waters of the United States and/or State.
- D. **General Construction Storm Water Permit.** Prior to start of Project construction, the Applicant must, as applicable, obtain coverage under, and comply with, the requirements of State Water Resources Control Board Water Quality Order No. 2009-0009-DWQ, the *General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activity*, (General Construction Storm Water Permit) and any reissuance. If Project construction activities do not require coverage under the General Construction Storm Water Permit, the Applicant must develop and implement a runoff management plan (or equivalent construction BMP plan) to prevent the discharge of sediment and other pollutants during construction activities.
- E. **Waste Management.** The Applicant must properly manage, store, treat, and dispose of wastes in accordance with applicable federal, state, and local laws and regulations. Waste management shall be implemented to avoid or minimize exposure of wastes to precipitation or storm water runoff. The storage, handling, treatment, or disposal of waste shall not create conditions of pollution, contamination or nuisance as defined in Water Code section 13050. Upon Project completion, all Project generated debris, building materials, excess material, waste, and trash shall be removed from the Project site(s) for disposal at an authorized landfill or other disposal site in compliance with federal, state and local laws and regulations.
- F. **Waste Management.** Except for a discharge permitted under this Certification, the dumping, deposition, or discharge of trash, rubbish, unset cement or asphalt, concrete, grout, damaged concrete or asphalt, concrete or asphalt spoils, wash water, organic or earthen material, steel, sawdust or other construction debris waste from Project activities directly into waters of the United States and or State, or adjacent to such waters in any manner which may permit its being transported into the waters, is prohibited.
- G. **Downstream Erosion.** Discharges of concentrated flow during construction or after Project completion must not cause downstream erosion or damage to properties or stream habitat.

- H. **Construction Equipment.** All equipment must be washed prior to transport to the Project site and must be free of sediment, debris, and foreign matter. All equipment used in direct contact with surface water shall be steam cleaned prior to use. All equipment using gas, oil, hydraulic fluid, or other petroleum products shall be inspected for leaks prior to use and shall be monitored for leakage. Stationary equipment (e.g., motors, pumps, generator, etc.) shall be positioned over drip pans or other types of containment.
- I. **Process Water.** Water containing mud, silt, or other pollutants from equipment washing or other activities, must not be discharged to waters of the United States and/or State or placed in locations that may be subjected to storm water runoff flows. Pollutants discharged to areas within a stream diversion must be removed at the end of each work day or sooner if rain is predicted.
- J. **Surface Water Diversion.** All surface waters, including ponded waters, must be diverted away from areas of active grading, construction, excavation, vegetation removal, and/or any other activity which may result in a discharge to the receiving water. Diversion activities must not result in the degradation of beneficial uses or exceedance of the receiving water quality objectives. Any temporary dam or other artificial obstruction constructed must only be built from materials such as clean gravel which will cause little or no siltation. Normal flows must be restored to the affected stream immediately upon completion of work at that location.
- K. **Re-vegetation and Stabilization.** All areas that have 14 or more days of inactivity must be stabilized within 14 days of the last activity. The Applicant shall implement and maintain BMPs to prevent erosion of the rough graded areas. After completion of grading, all areas must be re-vegetated with native species appropriate for the area. The re-vegetation palette must not contain any plants listed on the California Invasive Plant Council Invasive Plant Inventory, which can be accessed at <http://www.cal-ipc.org/ip/inventory/>.
- L. **Hazardous Materials.** Except as authorized by this Certification, substances hazardous to aquatic life including, but not limited to, petroleum products, unused cement/concrete, asphalt, and coating materials, must be prevented from contaminating the soil and/or entering waters of the United States and/or State. BMPs must be implemented to prevent such discharges during each Project activity involving hazardous materials.
- M. **Vegetation Removal.** Removal of vegetation must occur by hand, mechanically, or through application of United States Environmental Protection Agency (USEPA) approved herbicides deployed using applicable BMPs to minimize adverse effects to beneficial uses of waters of the United States and/or State. Discharges related to the application of aquatic pesticides within waters of the United States must be done in compliance with State Water Resources Control Board Water Quality Order No. 2004-0009-DWQ, the *Statewide General National Pollution Discharge Elimination System Permit for the Discharge of Aquatic Weed Control in Waters of the United States*, and any subsequent reissuance as applicable.

- N. **Limits of Disturbance.** The Applicant shall clearly define the limits of Project disturbance to waters of the United States and/or State using highly visible markers such as flag markers, construction fencing, or silt barriers prior to commencement of Project construction activities within those areas.
- O. **On-site Qualified Biologist.** The Applicant shall designate an on-site qualified biologist to monitor Project construction activities within or adjacent to waters of the United States and/or State to ensure compliance with the Certification requirements. The biologist shall be given the authority to stop all work on-site if a violation of this Certification occurs or has the potential to occur. Records and field notes of the biologist's activities shall be kept on-site and made available for review upon request by the San Diego Water Board.
- P. **Beneficial Use Protection.** The Applicant must take all necessary measures to protect the beneficial uses of waters of Escondido Creek. This Certification requires compliance with all applicable requirements of the Basin Plan. If at any time, an unauthorized discharge to surface waters (including rivers or streams) occurs or monitoring indicates that the Project is violating, or threatens to violate, water quality objectives, the associated Project activities shall cease immediately and the San Diego Water Board shall be notified in accordance with Notification Requirement VII.A of this Certification. Associated Project activities may not resume without approval from the San Diego Water Board.
- Q. **Groundwater Dewatering.** If groundwater dewatering is required for the Project, the Applicant shall enroll in and comply with the requirements of San Diego Water Board Order No. R9-2015-0013 NPDES No. CAG919003, *General Waste Discharge Requirements For Groundwater Extraction Discharges to Surface Waters within the San Diego Region* or its successor permit.

#### IV. POST-CONSTRUCTION BEST MANAGEMENT PRACTICES

- A. **Post-Construction Discharges.** The Applicant shall not allow post-construction discharges from the Project site to cause or contribute to on-site or off-site erosion or damage to properties or stream habitats.
- B. **Storm Drain Inlets.** All storm drain inlet structures within the Project boundaries must be stamped or stenciled (or equivalent) with appropriate language prohibiting non-storm water discharges.
- C. **Post-Construction BMP Design.** The Project must be designed to comply with the requirements for priority development projects in section E.3 of the Regional MS4 Permit Order R9-2013-0001, *National Pollutant Discharge Elimination Systems Permit and Waste Discharge Requirements for Discharges of Urban Runoff from the MS4s Draining the Watersheds within the San Diego Region* (Regional MS4 Permit) as well as the most current Standard Storm Water Mitigation and Hydromodification Plans for the City of Escondido. Where conflict exists between the referenced documents the most stringent requirements shall apply. Post-construction BMPs for the Project are

described in the *East Valley Parkway Widening Storm Water Management Plan* (SWMP). The SWMP is incorporated by this reference as if set forth in full herein.

- D. Post-Construction BMP Implementation.** All post-construction BMPs must be constructed, functional, and implemented prior to completion of Project construction, occupancy, and/or planned use, and maintained in perpetuity. The post construction BMPs must include those described in the SWMP, dated October 2014, prepared on behalf of the Applicant by Nolte Associates, Inc. (NV5); or any subsequent version of the SWMP approved by the City of Escondido.
- E. Post-Construction BMP Maintenance.** The post construction BMPs must be designed, constructed, and maintained in accordance with the most recent California Storm Water Quality Association (CASQA)<sup>2</sup> guidance. The Applicant shall:
1. No less than two times per year, assess the performance of the BMPs to ensure protection of the receiving waters and identify any necessary corrective measures;
  2. Perform inspections of BMPs, at the beginning of the wet season no later than October 1 and the end of the wet season no later than April 1, for standing water, slope stability, sediment accumulation, trash and debris, and presence of burrows;
  3. Regularly perform preventative maintenance of BMPs, including removal of accumulated trash and debris, as needed to ensure proper functioning of the BMPs;
  4. Identify and promptly repair damage to BMPs; and
  5. Maintain a log documenting all BMP inspections and maintenance activities. The log shall be made available to the San Diego Water Board upon request.

## V. PROJECT IMPACTS AND COMPENSATORY MITIGATION

- A. Project Impact Avoidance and Minimization.** The Project must avoid and minimize adverse impacts to waters of the United States and/or State to the maximum extent practicable.
- B. Project Impacts and Compensatory Mitigation.** Unavoidable Project impacts to Escondido Creek within the Carlsbad Hydrologic Unit Watershed must not exceed the type and magnitude of impacts described in the table below. Compensatory mitigation is not required for this Project because the work will be conducted within the concrete lined section of Escondido Creek. There is no expectation of permanent wetland habitat to exist in this section of Escondido Creek because channel maintenance activities are authorized and compensatory mitigation has been provided under certification R9-2013-0072, City of Escondido Channel Maintenance Activities.

<sup>2</sup> California Storm Water Quality Association (*California Storm Water BMP Handbook, New Development and Redevelopment 2003*), available on-line at: <http://www.csbmp.com/handbooks.org/> [Accessed on January 15, 2012]

	Impacts (acres)	Impacts (linear ft.)	Mitigation for Impacts (acres)	Mitigation Ratio (area mitigated :area impacted)	Mitigation for Impacts (linear ft.)	Mitigation Ratio (linear feet mitigated :linear feet impacted)
<b>Permanent Impacts</b>						
Stream Channel (Concrete Lined)	0.003	26	NA	NA	NA	NA
<b>Temporary Impacts<sup>1</sup></b>						
Stream Channel (Concrete Lined)	0.133	206	NA	NA	NA	NA

1. All areas of temporary impacts must be restored to pre-project contours and re-vegetated with native species.

**C. Temporary Project Impact Areas.** The Applicant must restore all areas of temporary impacts and all other areas of temporary disturbance which could result in a discharge or a threatened discharge of pollutants to waters of the United States and/or State. Restoration must include grading of disturbed areas to pre-project contours and re-vegetation with native species. The Applicant must implement all necessary BMPs to control erosion and runoff from areas associated with the Project.

**VI. MONITORING AND REPORTING REQUIREMENTS**

- A. Representative Monitoring.** Samples and measurements taken for the purpose of monitoring under this Certification shall be representative of the monitored activity.
- B. Monitoring Reports.** Monitoring results shall be reported to the San Diego Water Board at the intervals specified in section VI of this Certification.
- C. Monitoring and Reporting Revisions.** The San Diego Water Board may make revisions to the monitoring program at any time during the term of this Certification and may reduce or increase the number of parameters to be monitored, locations monitored, the frequency of monitoring, or the number and size of samples collected.
- D. Records of Monitoring Information.** Records of monitoring information shall include:
  - 1. The date, exact place, and time of sampling or measurements;
  - 2. The individual(s) who performed the sampling or measurements;
  - 3. The date(s) analyses were performed;

4. The individual(s) who performed the analyses;
  5. The analytical techniques or methods used; and
  6. The results of such analyses.
- E. Geographic Information System Data.** The Applicant must submit Geographic Information System (GIS) shape files of the Project impact sites within 30 days of the start of project construction and GIS shape files of the Project mitigation sites within 30 days of mitigation installation. All impact and mitigation site shape files must be polygons. Two GPS readings (points) must be taken on each line of the polygon and the polygon must have a minimum of 10 points. GIS metadata must also be submitted.
- F. Annual Project Progress Reports.** The Applicant must submit annual Project progress reports describing status of BMP implementation and compliance with all requirements of this Certification to the San Diego Water Board prior to **March 1** of each year following the issuance of this Certification, until the Project has reached completion. The Annual Project Progress Reports must contain monitoring information sufficient to demonstrate how the project is progressing towards accomplishing its objectives and meeting its performance standards. Annual Project Progress Reports must be submitted even if Project construction has not begun. The monitoring period for each Annual Project Progress Report shall be January 1<sup>st</sup> through December 31<sup>st</sup> of each year. Annual Project Progress Reports must include, at a minimum, the following:
1. **Project Status and Compliance Reporting.** The Annual Project Progress Report must include the following Project status and compliance information:
    - a. The names, qualifications, and affiliations of the persons contributing to the report;
    - b. The status, progress, and anticipated schedule for completion of Project construction activities including the installation and operational status of best management practices project features for erosion and storm water quality treatment;
    - c. A description of Project construction delays encountered or anticipated that may affect the schedule for construction completion; and
    - d. A description of each incident of noncompliance during the annual monitoring period and its cause, the period of the noncompliance including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and the steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance.
- G. Final Project Completion Report.** The Applicant must submit a Final Project Completion Report to the San Diego Water Board **within 30 days of completion of the Project.** The final report must include the following information:

1. Date of construction initiation;
2. Date of construction completion;
3. BMP installation and operational status for the Project;
4. As-built drawings of the Project, no bigger than 11"X17";
5. Photo documentation of implemented post-construction BMPs and all areas of permanent and temporary impacts, prior to and after project construction. Photo documentation must be conducted in accordance with guidelines posted at [http://www.waterboards.ca.gov/sandiego/water\\_issues/programs/401\\_certification/docs/401c/401PhotoDocRB9V713.pdf](http://www.waterboards.ca.gov/sandiego/water_issues/programs/401_certification/docs/401c/401PhotoDocRB9V713.pdf). In addition, photo documentation must include Global Positioning System (GPS) coordinates for each of the photo points referenced; and

H. **Reporting Authority.** The submittal of information required under this Certification, or in response to a suspected violation of any condition of this Certification, is required pursuant to Water Code section 13267 and 13383. Civil liability may be administratively imposed by the San Diego Water Board for failure to submit information pursuant to Water Code sections 13268 or 13385.

I. **Electronic Document Submittal.** The Applicant must submit all reports and information required under this Certification in electronic format via e-mail to [SanDiego@waterboards.ca.gov](mailto:SanDiego@waterboards.ca.gov). Documents over 50 megabytes will not be accepted via e-mail and must be placed on a disc and delivered to:

California Regional Water Quality Control Board  
San Diego Region  
Attn: 401 Certification No. R9-2016-0089:822898:amonji  
2375 Northside Drive, Suite 100  
San Diego, California 92108

Each electronic document must be submitted as a single file, in Portable Document Format (PDF), and converted to text searchable format using Optical Character Recognition (OCR). All electronic documents must include scanned copies of all signature pages; electronic signatures will not be accepted. Electronic documents submitted to the San Diego Water Board must include the following identification numbers in the header or subject line: Certification No. R9-2016-0089:822898:amonji.

J. **Document Signatory Requirements.** All applications, reports, or information submitted to the San Diego Water Board must be signed as follows:

1. For a corporation, by a responsible corporate officer of at least the level of vice president.
2. For a partnership or sole proprietorship, by a general partner or proprietor, respectively.



3. For a municipality, or a state, federal, or other public agency, by either a principal executive officer or ranking elected official.
4. A duly authorized representative may sign applications, reports, or information if:
  - a. The authorization is made in writing by a person described above.
  - b. The authorization specifies either an individual or position having responsibility for the overall operation of the regulated activity.
  - c. The written authorization is submitted to the San Diego Water Board Executive Officer.

If such authorization is no longer accurate because a different individual or position has responsibility for the overall operation of the Project, a new authorization satisfying the above requirements must be submitted to the San Diego Water Board prior to or together with any reports, information, or applications, to be signed by an authorized representative.

- K. Document Certification Requirements.** All applications, reports, or information submitted to the San Diego Water Board must be certified as follows:

*"I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment."*

## **VII. NOTIFICATION REQUIREMENTS**

- A. Twenty Four Hour Non-Compliance Reporting.** The Applicant shall report any noncompliance which may endanger health or the environment. Any such information shall be provided orally to the San Diego Water Board within **24 hours** from the time the Applicant becomes aware of the circumstances. A written submission shall also be provided within five days of the time the Applicant becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected; the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance. The San Diego Water Board, or an authorized representative, may waive the written report on a case-by-case basis if the oral report has been received within 24 hours.
- B. Hazardous Substance Discharge.** Except as provided in Water Code section 13271(b), any person who, without regard to intent or negligence, causes or permits any hazardous substance or sewage to be discharged in or on any waters of the State, shall as soon as (a) that person has knowledge of the discharge, (b) notification is possible, and (c) notification can be provided without substantially impeding cleanup or other

emergency measures, immediately notify the County of San Diego, in accordance with California Health and Safety Code section 5411.5 and the California Office of Emergency Services of the discharge in accordance with the spill reporting provision of the State toxic disaster contingency plan adopted pursuant to Government Code Title 2, Division 1, Chapter 7, Article 3.7 (commencing with section 8574.17), and immediately notify the State Water Board or the San Diego Water Board of the discharge. This provision does not require reporting of any discharge of less than a reportable quantity as provided for under subdivisions (f) and (g) of section 13271 of the Water Code unless the Applicant is in violation of a Basin Plan prohibition.

- C. **Oil or Petroleum Product Discharge.** Except as provided in Water Code section 13272(b), any person who without regard to intent or negligence, causes or permits any oil or petroleum product to be discharged in or on any waters of the State, or discharged or deposited where it is, or probably will be, discharged in or on any waters of the State, shall, as soon as (a) such person has knowledge of the discharge, (b) notification is possible, and (c) notification can be provided without substantially impeding cleanup or other emergency measures, immediately notify the California Office of Emergency Services of the discharge in accordance with the spill reporting provision of the State oil spill contingency plan adopted pursuant to Government Code Title 2, Division 1, Chapter 7, Article 3.7 (commencing with section 8574.1). This requirement does not require reporting of any discharge of less than 42 gallons unless the discharge is also required to be reported pursuant to Clean Water Act section 311, or the discharge is in violation of a Basin Plan prohibition.
- D. **Anticipated Noncompliance.** The Applicant shall give advance notice to the San Diego Water Board of any planned changes in the Project which may result in noncompliance with Certification conditions or requirements.
- E. **Commencement of Construction Notification.** The Applicant must notify the San Diego Water Board in writing at least **5 days prior** to the start of initial Project construction ground disturbance
- F. **Transfers.** This Certification is not transferable in its entirety or in part to any person or organization except after notice to the San Diego Water Board in accordance with the following terms:
1. **Transfer of Property Ownership:** The Applicant must notify the San Diego Water Board of any change in ownership of the Project area. Notification of change in ownership must include, but not be limited to, a statement that the Applicant has provided the purchaser with a copy of the Section 401 Water Quality Certification and that the purchaser understands and accepts the certification requirements and the obligation to implement them or be subject to liability for failure to do so; the seller and purchaser must sign and date the notification and provide such notification to the San Diego Water Board **within 10 days of the transfer of ownership.**

Upon properly noticed transfers of responsibility, the transferee assumes responsibility for compliance with this Certification and references in this Certification to the Applicant will be interpreted to refer to the transferee as appropriate. Transfer of responsibility

does not necessarily relieve the Applicant of responsibility for compliance with this Certification in the event that a transferee fails to comply.

#### VIII. CALIFORNIA ENVIRONMENTAL QUALITY ACT COMPLIANCE

- A. The City of Escondido is the Lead Agency under the California Environmental Quality Act (CEQA) (Public Resources Code section 21000, et seq.) section 21067, and CEQA Guidelines (California Code of Regulations, title 14, section 15000 et seq.) section 15367, and has filed a Notice of Determination dated June 10, 2004 for the Final Environmental Impact Report (FEIR) titled Bear Valley/East Valley Parkways Environmental Impact Report/Environmental Assessment (State Clearing House Number 2001091025). The Lead Agency has determined the Project will have a significant effect on the environment and mitigation measures were made a condition of the Project.
- B. The San Diego Water Board is a Responsible Agency under CEQA (Public Resources Code section 21069; CEQA Guidelines section 15381). The San Diego Water Board has considered the Lead Agency's MND and finds that the Project as proposed will have a significant effect on resources within the San Diego Water Board's purview.
- C. The Lead Agency has adopted a mitigation monitoring and reporting program pursuant to Public Resources Code section 21081.6 and CEQA Guidelines section 15097 to ensure that mitigation measures and revisions to the Project identified in the FEIR are implemented. The Mitigation Monitoring and Reporting Program (MMRP) is included and incorporated by reference in Attachment 4 to this Certification. The Applicant shall implement the Lead Agency's MMRP described in the FEIR, as it pertains to resources within the San Diego Water Board's purview. The San Diego Water Board has imposed additional MMRP requirements as specified in sections V and VI of this Certification.
- D. As a Responsible Agency under CEQA, the San Diego Water Board will file a Notice of Determination in accordance with CEQA Guidelines section 15096 subdivision (i).

#### IX. SAN DIEGO WATER BOARD CONTACT PERSON

Alan Monji, Environmental Scientist  
Telephone: 619-521-3968  
Email: [Alan.Monji@waterboards.ca.gov](mailto:Alan.Monji@waterboards.ca.gov)

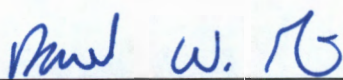
#### X. WATER QUALITY CERTIFICATION

I hereby certify that the proposed discharge from the **Bear Valley/East Valley Parkways Northern Leg** Project (Certification No. R9-2016-0089) will comply with the applicable provisions of sections 301 ("Effluent Limitations"), 302 ("Water Quality Related Effluent Limitations"), 303 ("Water Quality Standards and Implementation Plans"), 306 ("National Standards of Performance"), and 307 ("Toxic and Pretreatment Effluent Standards") of the Clean Water Act. This discharge is also regulated under State Water Board Order No. 2003-0017-DWQ, "*Statewide General Waste Discharge Requirements for Dredged or Fill Discharges that have Received State Water Quality Certification (General WDRs)*," which requires compliance with all conditions of this Water Quality Certification. Please note that

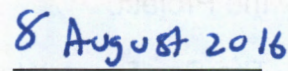
enrollment under Order No. 2003-017-DWQ is conditional and, should new information come to our attention that indicates a water quality problem, the San Diego Water Board may issue individual waste discharge requirements at that time.

Except insofar as may be modified by any preceding conditions, all Certification actions are contingent on (a) the discharge being limited to, and all proposed mitigation being completed in strict compliance with, the applicants' Project description and/or the description in this Certification, and (b) compliance with all applicable requirements of the Basin Plan.

I, David W. Gibson, Executive Officer, do hereby certify the forgoing is a full, true, and correct copy of Certification No. R9-2016-0089 issued on August 8, 2016.



\_\_\_\_\_  
DAVID W. GIBSON  
Executive Officer  
San Diego Water Board



\_\_\_\_\_  
Date

## ATTACHMENT 1

### DEFINITIONS

**Activity** - when used in reference to a permit means any action, undertaking, or project including, but not limited to, construction, operation, maintenance, repair, modification, and restoration which may result in any discharge to waters of the state.

**Buffer** - means an upland, wetland, and/or riparian area that protects and/or enhances aquatic resource functions associated with wetlands, rivers, streams, lakes, marine, and estuarine systems from disturbances associated with adjacent land uses.

**California Rapid Assessment Method (CRAM)** - is a wetland assessment method intended to provide a rapid, scientifically-defensible and repeatable assessment methodology to monitor status and trends in the conditions of wetlands for applications throughout the state. It can also be used to assess the performance of compensatory mitigation projects and restoration projects. CRAM provides an assessment of overall ecological condition in terms of four attributes: landscape context and buffer, hydrology, physical structure and biotic structure. CRAM also includes an assessment of key stressors that may be affecting wetland condition and a "field to PC" data management tool (eCRAM) to ensure consistency and quality of data produced with the method.

**Compensatory Mitigation Project** - means compensatory mitigation implemented by the Applicant as a requirement of this Certification (i.e., applicant -responsible mitigation), or by a mitigation bank or an in-lieu fee program.

**Discharge of dredged material** – means any addition of dredged material into, including redeposit of dredged material other than incidental fallback within, the waters of the United States and/or State.

**Discharge of fill material** – means the addition of fill material into waters of the United States and/or State.

**Dredged material** – means material that is excavated or dredged from waters of the United States and/or State.

**Ecological Success Performance Standards** – means observable or measurable physical (including hydrological), chemical, and/or biological attributes that are used to determine if a compensatory mitigation project meets its objectives.

**Enhancement** – means the manipulation of the physical, chemical, or biological characteristics of an aquatic resource to improve a specific aquatic resource function(s). Enhancement results in the gain of selected aquatic resource function(s), but may also lead to a decline in other aquatic resource function(s). Enhancement does not result in a gain in aquatic resource area.

**Establishment** – means the manipulation of the physical, chemical, or biological characteristics present to develop an aquatic resource that did not previously exist. Creation results in a gain in aquatic resource area.

**Fill material** – means any material used for the primary purpose of replacing an aquatic area with dry land or of changing the bottom elevation of a water body.

**Isolated wetland** – means a wetland with no surface water connection to other aquatic resources.

**Mitigation Bank** – means a site, or suite of sites, where resources (e.g., wetlands, streams, riparian areas) are restored, established, enhanced, and/or preserved for the purpose of providing mitigation for impacts authorized by this Certification.

**Preservation** - means the removal of a threat to, or preventing the decline of, aquatic resources by an action in or near those aquatic resources. This term includes activities commonly associated with the protection and maintenance of aquatic resources through the implementation of appropriate legal and physical mechanisms. Preservation does not result in a gain of aquatic resource area or functions.

**Re-establishment** - means the manipulation of the physical, chemical, or biological characteristics of a site with the goal of returning natural/ historic functions to a former aquatic resource. Re-establishment results in rebuilding a former aquatic resource and results in a gain in aquatic resource area and functions.

**Rehabilitation** - means the manipulation of the physical, chemical, or biological characteristics of a site with the goal of repairing natural/ historic functions to a degraded aquatic resource. Rehabilitation results in a gain in aquatic resource function, but does not result in a gain in aquatic resource area.

**Restoration** - means the manipulation of the physical, chemical, or biological characteristics of a site with the goal of returning natural/historic functions to a former or degraded aquatic resource. For the purpose of tracking net gains in aquatic resource area, restoration is divided into two categories: re-establishment and rehabilitation.

**Start of Project Construction** - For the purpose of this Certification, "start of Project construction" means to engage in a program of on-site construction, including site clearing, grading, dredging, landfilling, changing equipment, substituting equipment, or even moving the location of equipment specifically designed for a stationary source in preparation for the fabrication, erection or installation of the building components of the stationary source within waters of the United States and/or State.

**Uplands** - means non-wetland areas that lack any field-based indicators of wetlands or other aquatic conditions. Uplands are generally well-drained and occur above (i.e., up-slope) from nearby aquatic areas. Wetlands can, however, be entirely surrounded by uplands. For example, some natural seeps and constructed stock ponds lack aboveground hydrological connection to other aquatic areas. In the watershed context, uplands comprise the landscape matrix in which aquatic areas form. They are the primary sources of sediment, surface runoff, and associated chemicals that are deposited in aquatic areas or transported through them.

**Water quality objectives and other appropriate requirements of state law** – means the water quality objectives and beneficial uses as specified in the appropriate water quality control plan(s); the applicable provisions of sections 301, 302, 303, 306, and 307 of the Clean Water Act; and any other appropriate requirement of state law.

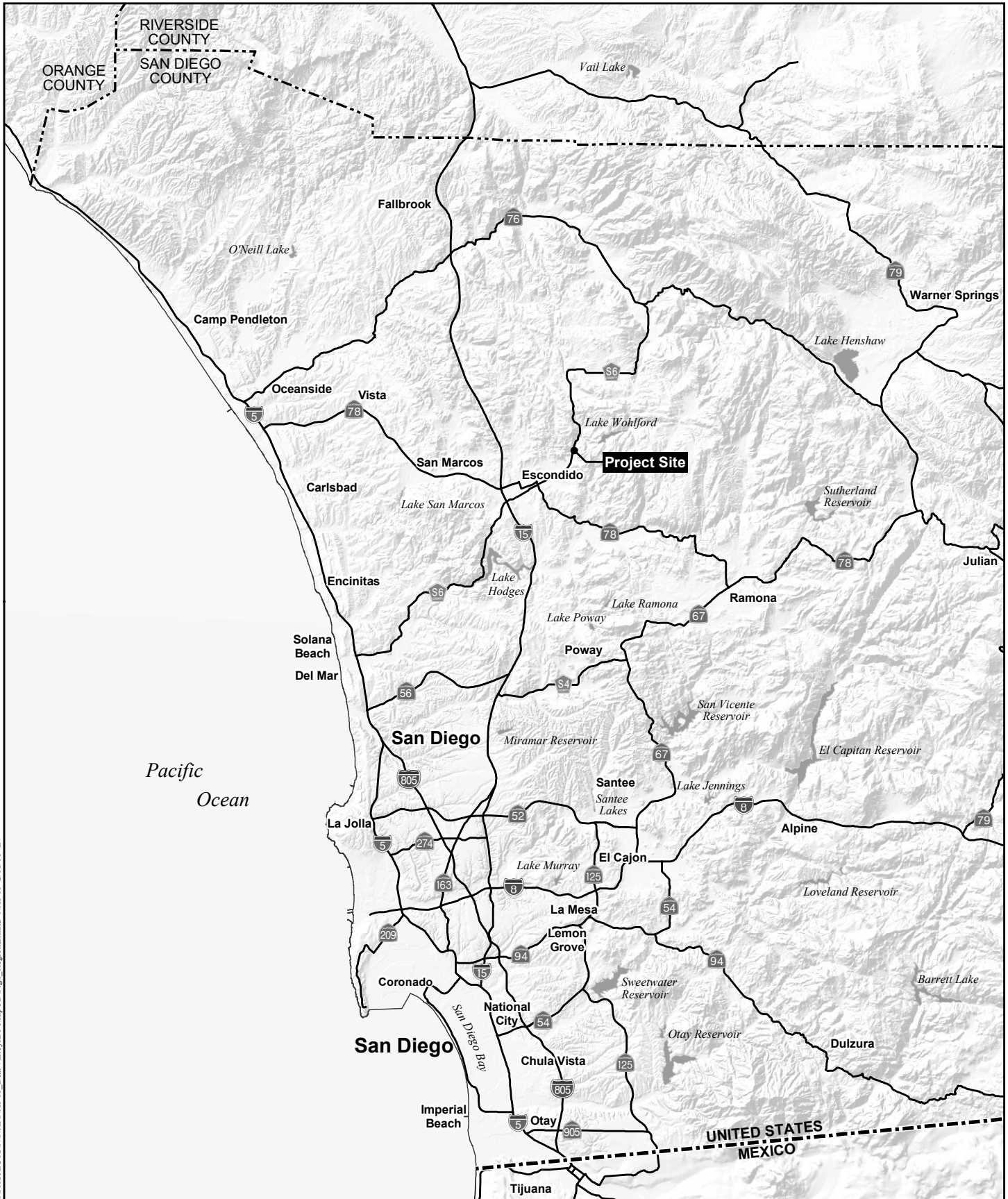
**Waters of the State** - means any surface water or groundwater, including saline waters, within the boundaries of the State. [Water Code section 13050, subd. (e)].

## **ATTACHMENT 2**

### **LOCATION MAPS AND FIGURES**

1. Helix Environmental Planning, Regional Location Map, Figure 1
2. Helix Environmental Planning, Survey Area, Figure 4

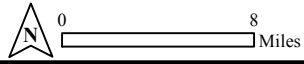




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## Regional Location Map

CITY OF ESCONDIDO BEAR VALLEY/EAST VALLEY PARKWAYS PROJECT NORTHERN LEG





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### Survey Area

CITY OF ESCONDIDO BEAR VALLEY/EAST VALLEY PARKWAYS PROJECT NORTHERN LEG

### **ATTACHMENT 3**

#### **PROJECT FIGURES**

1. Helix Environmental Planning, Potential Jurisdictional Waters of the U.S. and Waters of the State Impacts, Figure 6
2. NV 5, Plans for Improvement of East Valley Parkway Between Beven Drive and the Northern City Limits of the City of Escondido, Sheets 1-7 and 51-65



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**Potential Jurisdictional Waters of the U.S. and Waters of the State/Impacts**

CITY OF ESCONDIDO BEAR VALLEY/EAST VALLEY PARKWAYS PROJECT NORTHERN LEG

**GENERAL NOTES**

- ALL WORK TO BE DONE IN ACCORDANCE WITH THE "GREENBOOK" STANDARD SPECIFICATIONS, SPECIAL PROVISIONS OF THE CITY OF ESCONDIDO'S DESIGN STANDARDS AND DRAWINGS EFFECTIVE APRIL 2, 2014 BY RESOLUTION NO. 2014-08, ALONG WITH ANY AMENDMENTS THERETO; AND THE SAN DIEGO REGIONAL STANDARD DRAWINGS PUBLISHED MARCH 2012. ALSO WITH THE 2012 SAN DIEGO REGIONAL SUPPLEMENT TO THE 2012 EDITION OF THE "GREENBOOK"
- ALL CONTRACTORS WORKING IN THE PUBLIC RIGHT OF WAY SHALL OBTAIN A SEPARATE ENCROACHMENT PERMIT FROM THE DIRECTOR OF PUBLIC WORKS. INSPECTION OF ALL WORK IS REQUIRED. CONTACT THE ENGINEERING FIELD OFFICE AT (760) 839-4664 TO ARRANGE FOR ENCROACHMENT PERMITS AND INSPECTION. TWENTY-FOUR HOUR ADVANCE NOTICE IS REQUIRED FOR INSPECTION. NO WORK SHALL BE PERFORMED IN THE PUBLIC RIGHT OF WAY ON SATURDAYS, SUNDAYS OR LEGAL HOLIDAYS WITHOUT THE EXPRESS PERMISSION OF THE CITY ENGINEER.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL SUBSTRUCTURES, WHETHER SHOWN HEREON OR NOT, AND PROTECT THEM FROM DAMAGE. THE EXPENSE OF REPAIR OR REPLACEMENT OF SAID SUBSTRUCTURES SHALL BE BORNE BY THE CONTRACTOR.
- NEITHER THE OWNER NOR THE ENGINEER OF WORK WILL ENFORCE SAFETY MEASURES OR REGULATIONS. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE THEREFOR.
- LOCATION AND ELEVATION OF ALL EXISTING IMPROVEMENTS WITHIN THE AREA OF WORK SHALL BE CONFIRMED BY FIELD MEASUREMENT PRIOR TO CONSTRUCTION OF NEW WORK. CONTRACTOR WILL MAKE EXPLORATORY EXCAVATIONS AND LOCATE EXISTING UNDERGROUND FACILITIES 10 WORKING DAYS AHEAD OF CONSTRUCTION TO PERMIT REVISIONS TO PLANS IF REVISIONS ARE NECESSARY BECAUSE OF ACTUAL LOCATION OF EXISTING FACILITIES.

**STREET NOTES**

- ALL STATIONING REFERS TO THE CENTERLINE OF THE STREET.
- ALL HORIZONTAL CURB DATA REFERS TO THE FACE OF CURB, ALL VERTICAL DATA REFERS TO THE TOP OF CURB UNLESS NOTED OTHERWISE
- FINAL STRUCTURAL SECTION TO BE DETERMINED AFTER ROUGH GRADING IS COMPLETED, ACCORDING TO FIGURE 3 OF THE ESCONDIDO DESIGN STANDARDS.
- THE ADDRESS OF EACH LOT SHALL EITHER BE PAINTED ON THE CURB OR, WHERE CURBS ARE NOT AVAILABLE, POSTED IN SUCH MANNER THAT THE ADDRESS IS VISIBLE FROM THE STREET. IN BOTH CASES, THE ADDRESS SHALL BE PLACED IN A MANNER AND LOCATION APPROVED BY THE CITY ENGINEER.

**UTILITY NOTES**

- ALL TEMPORARY PAVING PLACED BY ANY CONTRACTOR, SUBCONTRACTOR OR UTILITY COMPANY SHALL REMAIN IN THE PUBLIC RIGHT OF WAY FOR NOT MORE THAN 30 CALENDAR DAYS ON RESIDENTIAL STREETS AND 72 HOURS ON ARTERIALS, MAJOR ROADS, COLLECTORS AND LOCAL COLLECTORS, PRIOR TO PLACEMENT OF PERMANENT PAVEMENT. ALL TEMPORARY PAVING PLACED IN THE PUBLIC RIGHT OF WAY SHALL BE MAINTAINED CONTINUOUSLY IN ACCORDANCE WITH CITY OF ESCONDIDO STANDARD DRAWING NO. G-3-E.
- ALL UNDERGROUND UTILITIES SHALL BE INSTALLED BEFORE CONSTRUCTION OF CURBS, GUTTERS, SIDEWALKS OR SURFACING OF STREETS.
- UNLESS OTHERWISE SHOWN, SEWER LATERALS AND WATER LATERALS SHALL BE RUN NORMAL TO THE MAIN.
- ALL WATERLINES SHALL HAVE 36" MINIMUM COVER TO FINISHED GRADE.
- A FEE IS CHARGED FOR SHUTTING DOWN OR TAPPING A LIVE WATER LINE. CONTACT THE ENGINEERING FIELD INSPECTOR AT (760) 839-4664 FOR A DETERMINATION OF THE FEE AMOUNT. SCHEDULE ALL SHUTDOWNS THROUGH A PUBLIC WORKS INSPECTOR. THIS IS ONLY APPLICABLE TO THE CITY OF ESCONDIDO WATER LINES.
- CONTRACTOR SHALL NOTIFY UTILITY COMPANIES PRIOR TO STARTING WORK NEAR UTILITY FACILITIES AND COORDINATE HIS/HER WORK WITH UTILITY REPRESENTATIVES.
- THRUST BLOCKS ARE REQUIRED PER STANDARD DRAWINGS WT-01 AS DIRECTED BY THE ENGINEER.
- ALL REQUIRED WATERLINES AND FIRE HYDRANTS SHALL BE INSTALLED AND IN SERVICE PRIOR TO THE ACCUMULATION OF ANY COMBUSTIBLE MATERIAL ON THE JOB SITE.
- PAVED ACCESS TO THE SITE SHALL BE MAINTAINED FOR THE USE OF HEAVY FIREFIGHTING EQUIPMENT.
- VERIFICATION OF A SAN DIEGO COUNTY EXPLOSIVE PERMIT AND A POLICY OF CERTIFICATE OF PUBLIC LIABILITY INSURANCE SHALL BE FILED WITH THE FIRE DEPARTMENT PRIOR TO ANY BLASTING WITHIN THE CITY OF ESCONDIDO.
- ALL WATER AND SEWER LINES INCLUDING SERVICES AND LATERALS SHALL BE PROVIDED WITH A 6-INCH WIDE STRIP OF POLYETHYLENE NONMETALLIC DETECTION TAPE ONE FOOT OVER THE PIPE. A BLUE COLOR SHALL BE USED FOR WATER AND RED OR GREEN COLOR FOR SEWER. IN ADDITION, A #10 BARE COPPER WIRE SHALL BE INSTALLED OVER ALL NONMETALLIC WATERLINES. A "W" SHALL BE STAMPED IN THE CURB FACE AT THE WATER SERVICE LOCATION AND A "S" SHALL BE STAMPED IN THE CURB FACE AT THE SEWER LATERAL LOCATION.
- ALL ABANDONED SEWER LATERALS SHALL BE CAPPED AT THE PROPERTY LINE. ALL ABANDONED WATER SERVICES SHALL BE SHUT OFF AND DISCONNECTED AT THE MAIN.
- FIRE HYDRANT MARKERS ARE REQUIRED PER STANDARD DRAWING M-19. LOCATIONS FOR AREAS OUTSIDE OF PUBLIC RIGHT OF WAY SHALL BE DETERMINED BY THE FIRE DEPARTMENT.
- THE CONTRACTOR SHALL CONSTRUCT SEWER LATERAL CLEANOUTS IMMEDIATELY BEHIND THE RIGHT OF WAY LINE ON ALL SEWER LATERALS. THE CLEANOUT SHALL BE CONTAINED WITHIN A CAST IRON OR PRECAST CONCRETE WELL COVERED WITH A CAST-IRON LID MARKED "SEWER" IF LOCATED IN DRIVEWAYS OR WALKWAYS.

**BASIS OF BEARINGS**

THE BEARINGS SHOWN HEREON ARE BASED ON THE BEARING BETWEEN THE CITY OF ESCONDIDO GPS CONTROL MONUMENT NO. 2135 LOCATED AT THE INTERSECTION OF VALLEY PARKWAY AND CITRUS AVENUE AND GPS CONTROL MONUMENT NO. 2136 LOCATED AT THE APPROXIMATE P.I. OF VALLEY PARKWAY THAT LIES BETWEEN BEAR VALLEY PARKWAY AND FALCONER ROAD AS SHOWN ON RECORD OF SURVEY NO. 14236, BEING NORTH 61°39'33" EAST.

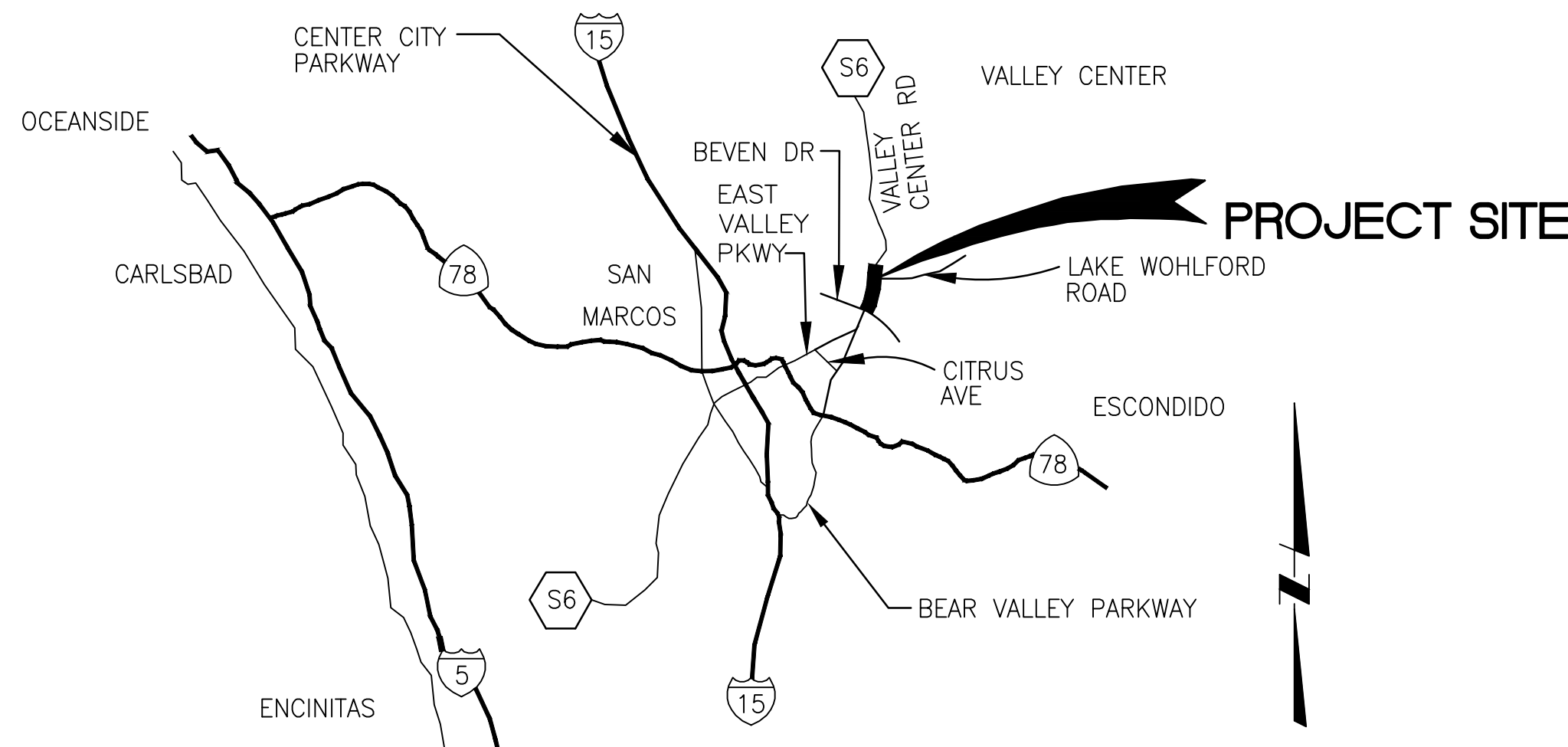
**BENCHMARK**

THE BENCHMARK USED FOR THIS SURVEY IS THE CITY OF ESCONDIDO GPS CONTROL MONUMENT NO. 2136 AS SHOWN ON ON RECORD OF SURVEY NO. 14236, ELEVATION: 713.50 FEET, NGVD 1929

**REFERENCE DRAWINGS**

SPECIFIC PLAN FOR BEAR VALLEY: T-1106, 7/22/70  
 SPECIFIC PLAN FOR BEAR VALLEY: T-1276, 1994  
 CITY OF ESCONDIDO: GP06-0164, P-2450, P-2438, P-2099, S-1185, P-2220, S-1141, W-1107, W-1475, W-1617, T-1267, T-1292, T-1380, T-1421  
 COUNTY OF SAN DIEGO: R.S.1838-4, R.S.1838-2(P-2154), ROS 14236  
 ESCONDIDO CREEK UNIT 3B-4  
 SDG&E: 19305-120355, 19305-120360, 19297-120360  
 AT&T: EC1614A, EC1614B, EC1614D

# PLANS FOR THE IMPROVEMENT OF EAST VALLEY PARKWAY BETWEEN BEVEN DRIVE AND THE NORTHERN CITY LIMITS OF THE CITY OF ESCONDIDO



**VICINITY MAP**

NO SCALE

**GRADING AND GEOTECHNICAL NOTES**

- ALL GRADING SHALL BE DONE UNDER OBSERVATION AND TESTING BY A QUALIFIED CIVIL ENGINEER OR GEOTECHNICAL ENGINEER AND, IF REQUIRED, BOTH A QUALIFIED CIVIL ENGINEER OR GEOTECHNICAL ENGINEER AND AN ENGINEERING GEOLOGIST. ALL GRADING MUST BE PERFORMED IN ACCORDANCE WITH APPLICABLE CITY ORDINANCE AND THE RECOMMENDATIONS AND SPECIFICATIONS SET FORTH IN THE SOILS REPORT OR GEOLOGICAL/GEOTECHNICAL INVESTIGATION AND ADDENDA ENTITLED:
  - GEOTECHNICAL DESIGN REPORT, BEAR VALLEY/EAST VALLEY PARKWAY ESCONDIDO, CALIFORNIA JUNE 11, 2002 GROUP DELTA CONSULTANTS, INC.
- ALL FILL MATERIAL SHALL BE COMPACTED TO A MINIMUM OF 95% OF THE MAXIMUM DRY DENSITY, AND 95% IN THE UPPER 12" OF SUBGRADE AS DETERMINED BY THE MOST RECENT VERSION OF A.S.T.M. D-1557 OR AN APPROVED ALTERNATIVE STANDARD.
- AT THE COMPLETION OF THE GRADING OPERATIONS FOR THE EARTHWORK SHOWN ON THIS PLAN, AN AS-GRADED SOILS REPORT, OR IF REQUIRED, AN AS-GRADED SOILS AND GEOLOGICAL REPORT WILL BE PREPARED. THE FINAL "AS-GRADED" GEOTECHNICAL REPORT WILL BE SUBMITTED TO THE DEPARTMENT OF PUBLIC WORKS WITHIN 15 DAYS IF THE COMPLETION OF GRADING, WHERE GEOLOGIC INSPECTION IS INDICATED IN THE PERMIT OR PROJECT PLANS, REPORTS OR SPECIFICATIONS, THE FINAL REPORT MUST ALSO BE REVIEWED AND SIGNED BY A CALIFORNIA CERTIFIED ENGINEERING GEOLOGIST.
- THESE IMPROVEMENT PLANS HAVE BEEN REVIEWED BY THE UNDERSIGNED AND FOUND TO BE IN CONFORMANCE WITH THE RECOMMENDATIONS AND SPECIFICATIONS CONTAINED IN THE REFERENCED GEOTECHNICAL REPORTS PREPARED FOR THIS PROJECT.

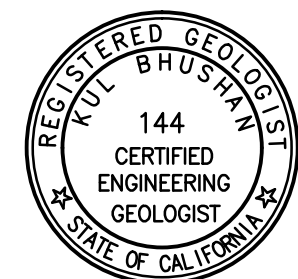
CURT SCHEYING, R.C.E. No.59216 DATE  
 GROUP DELTA CONSULTANTS, INC.

GROUP DELTA CONSULTANTS, INC.  
 9245 ACTIVITY ROAD  
 SUITE 103  
 SAN DIEGO, CALIFORNIA 92126  
 PH: (858) 536-1000  
 FX: (858) 536-8311



KUL BHUSHAN, R.G.E. No.144 DATE  
 GROUP DELTA CONSULTANTS, INC.

GROUP DELTA CONSULTANTS, INC.  
 9245 ACTIVITY ROAD  
 SUITE 103  
 SAN DIEGO, CALIFORNIA 92126  
 PH: (858) 536-1000  
 FX: (858) 536-8311



**DECLARATION OF RESPONSIBLE CHARGE**

I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT, THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONS CODE, AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS.

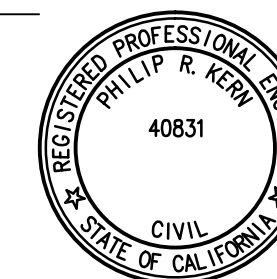
I UNDERSTAND THAT THE CHECK OF PROJECT DRAWINGS AND STANDARDS BY THE CITY OF ESCONDIDO IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME, AS ENGINEER OF WORK, OF MY RESPONSIBILITIES FOR PROJECT DESIGN.

SIGNED \_\_\_\_\_ DATE \_\_\_\_\_

PHILIP R. KERN 40831  
 PRINTED NAME R.C.E. NO.

NOLTE VERTICAL FIVE (858) 385-0500  
 COMPANY NAME PHONE NO.

15092 AVENUE OF SCIENCE, SUITE 200  
 SAN DIEGO, CA. 92128  
 ADDRESS



**WORK TO BE DONE**

THE IMPROVEMENTS CONSIST OF THE FOLLOWING WORK TO BE DONE ACCORDING TO THESE PLANS AND THE SPECIFICATIONS AND STANDARD DRAWINGS.

**STANDARD SPECIFICATIONS:**

- STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION "GREEN BOOK" (2015 EDITION).
- STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION, "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES," (2014 EDITION).
- STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS (2010 EDITION).

**STANDARD DRAWINGS:**

- SAN DIEGO REGIONAL STANDARD DRAWINGS "SDRSD", (2012 EDITION).
- STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION, "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES," (2014 EDITION).
- STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION, STANDARD PLANS (2010 EDITION).
- WATER AGENCIES' STANDARDS "WAS" (2014 EDITION).
- CITY OF ESCONDIDO STANDARD DRAWINGS (2014 EDITION).

**LEGEND**

**PROPOSED IMPROVEMENTS**

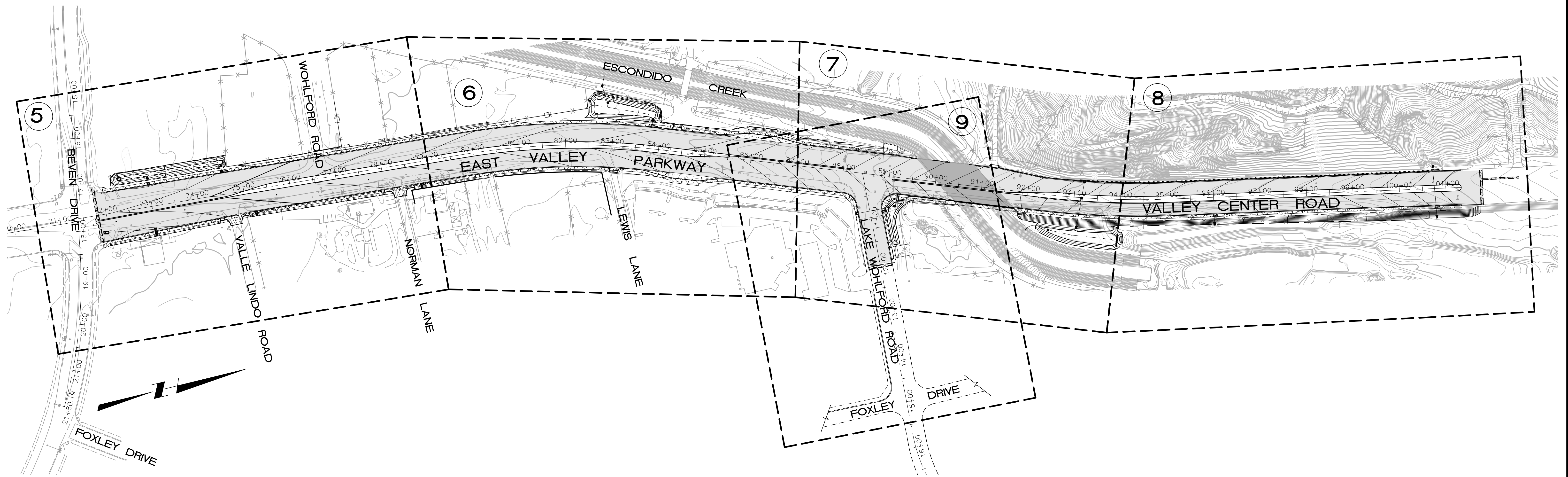
SPEC SECTION	IMPROVEMENT	STANDARD DWG/DETAIL	SYMBOL	QUANTITIES
300-1.4	CLEARING AND GRUBBING		[Symbol]	LS
300-1.4	SAWCUT AND REMOVE EXISTING PAVEMENT		[Symbol]	LS
300-11.4	RIP RAP DISSIPATOR 5'x10', TYPE 2, T=12"	SDRSD D-40	[Symbol]	LS
302-5.9	AC PAVEMENT (SEE TYPICAL SECTIONS)		[Symbol]	CY
302-5.9	AC COLD MILL AND 2" OVERLAY		[Symbol]	TON
302-5.9	AC DIKE TYPE 'A'	SDRSD G-5	[Symbol]	SF
303-5.9	6" PCC CB & GTR TYPE 'G'	SDRSD G-2	[Symbol]	LF
303-5.9	8" MOD MEDIAN CURB TYPE 'B-1' & SDRSD G-6		[Symbol]	LF
303-5.9	4" PCC SIDEWALK	SDRSD G-7	[Symbol]	SF
303-5.9	ENHANCED MEDIAN PAVING PER LANDSCAPE PLANS		[Symbol]	SF
303-5.9	CONCRETE DRIVEWAY	SDRSD G-14A	[Symbol]	SF
303-5.9	CONCRETE DRIVEWAY, ALLEY TYPE	G-5-E	[Symbol]	SF
303-5.9	CURB RAMPS	CT SP ABBA	[Symbol]	SF
306-1.5	TRENCH RESURFACING	G-4-E	[Symbol]	SF
306-1.6	RCP STORM DRAIN (SIZE AS SHOWN) (1350-D UNLESS OTHERWISE NOTED)	SDRSD D-60	[Symbol]	LF
306-1.6	STORM DRAIN CLEANOUT TYPE 'A-4' (U.O.N.)	SDRSD D-09	[Symbol]	EA
306-1.6	CURB INLET (TYPE B) (LENGTH AS SHOWN)	SDRSD D-02	[Symbol]	EA
306-1.6	CURB INLET (TYPE A) (LENGTH AS SHOWN)	SDRSD D-01	[Symbol]	EA
306-1.6	CATCH BASIN 'TYPE G-1' (U.O.N.)	SDRSD D-08	[Symbol]	EA
306-1.6	CATCH BASIN 'TYPE F'	SDRSD D-07	[Symbol]	EA
306-1.6	WING HEADWALL	SDRSD D-34	[Symbol]	EA
306-1.6	STRAIGHT HEADWALL 'TYPE A'	SDRSD D-30	[Symbol]	EA
306-1.6	PIPE TO CHANNEL CONNECTION (WITH REINFORCING)	SDRSD D-73	[Symbol]	EA
306-1.6	CURB OUTLET 'TYPE A'	SDRSD D-25	[Symbol]	EA
306-1.6	MODIFIED SIDEWALK UNDERDRAIN	SDRSD D-27	[Symbol]	EA
306-1.6	BIO FILTRATION BASIN	B 21	[Symbol]	EA
306-1.6	ADJUST SEWER MANHOLE	S-1-E	[Symbol]	LF
	8" PVC WATER MAIN - (CL 305)		[Symbol]	EA
	2" WATER SERVICE	W-2-E, W-10-E	[Symbol]	EA
	GATE VALVE (SIZE AS SHOWN)	W-4-E	[Symbol]	EA
	FIRE HYDRANT ASSEMBLY W/ 2X4" PORTS & 1X2.5" PORT	W-3-E	[Symbol]	EA
307-16.8.6	STREET LIGHT (LED) SEE STREET LIGHT PLANS	E-1-E	[Symbol]	EA
304-3.4	CHAIN LINK FENCE (TYPE CL-6) WITH TOP RAIL	SDRSD M-6	[Symbol]	LF
304-3.4	CHAIN LINK GATE (WIDTH AS SHOWN)	SDRSD M-5	[Symbol]	EA
304-2.2.3	MIDWEST GUARDRAIL SYSTEM (TYPE 12B LAYOUT)	CT RSP A7701	[Symbol]	LF
309-4	STREET SURVEY MONUMENT	SDRSD M-10	[Symbol]	EA
	GRADED SLOPE (2:1 MAX)		[Symbol]	EA
	EDGE OF PAVEMENT		[Symbol]	EA
	PROPOSED RIGHT OF WAY		[Symbol]	EA
	SAWCUT LINE		[Symbol]	LF
	BUS TURN OUT	A 20	[Symbol]	EA
	SOUND WALL PER STRUCTURAL		[Symbol]	LF
	BARRICADES	SDRSD M-9	[Symbol]	EA
	DRAINAGE DITCH 'TYPE B'	SDRSD D-75	[Symbol]	EA
	BIOSWALE	A 6	[Symbol]	EA

**NV5**  
**NOLTE VERTICAL FIVE**  
 NOLTE ASSOCIATES, INC.  
 15070 AVENUE OF SCIENCE, SUITE 100 SAN DIEGO, CA. 92128 (858)385-0500



Revised: February 8, 2016  
 Path: N:\SDB080900\Cadd\03\_Plan\01\_Sheets\01\_title Printed: 2/8/2016 7:52 AM

CONSTRUCTION RECORD		REFERENCES		Date	By	REVISIONS	App'd	Date	BENCH MARK	SCALE	Office	Designed By	Drawn By	Checked By	Submitted	Approved	CITY OF ESCONDIDO DEPT OF PUBLIC WORKS	Drawing No.
Contractor									BENCH MARK	Horizontal	Filmed	SD	SD	PK	By	By		
Inspector									THE BENCHMARK USED FOR THIS SURVEY IS THE CITY OF ESCONDIDO GPS CONTROL MONUMENT NO. 2136 AS SHOWN ON ON RECORD OF SURVEY NO. 14236, ELEVATION: 713.50 FEET, NGVD 1929	Vertical	Traffic	PHILIP R. KERN						
Date Completed										N/A					Principal Civil Engineer	Deputy Director Of Public Works		



KEY MAP  
1"=100'

**SHEET INDEX**

SHT NO	DESCRIPTION
1	TITLE SHEET
2	SHEET INDEX
3	TYPICAL SECTIONS
4	TYPICAL SECTIONS
5	EAST VALLEY PARKWAY PLAN AND PROFILE: STA 71+38.49 - STA 79+00
6	EAST VALLEY PARKWAY PLAN AND PROFILE: STA 79+00 - STA 87+00
7	EAST VALLEY PARKWAY PLAN AND PROFILE: STA 87+00 - STA 94+00
8	EAST VALLEY PARKWAY PLAN AND PROFILE: STA 94+00 - STA 101+75
9	LAKE WOHLFORD ROAD PLAN AND PROFILE
10	DRIVEWAY PROFILES
11	STORM DRAIN PLAN AND PROFILE
12	STORM DRAIN PLAN AND PROFILE
13	STORM DRAIN PLAN AND PROFILE
14	STORM DRAIN PLAN AND PROFILE
15	STORM DRAIN PLAN AND PROFILE
16	BIOFILTRATION DETAILS
17	BIOFILTRATION DETAILS
18	DEMOLITION PLAN: STA 71+38.49 - STA 87+00
19	DEMOLITION PLAN: STA 87+00 - STA 101+33.34
20	CIVIL DETAILS
21	CIVIL DETAILS
22	WATER POLLUTION CONTROL TITLE SHEET
23	WATER POLLUTION CONTROL DETAILS PLANS
24	WATER POLLUTION CONTROL PLAN: STA 71+38.49 - STA 87+00
25	WATER POLLUTION CONTROL PLAN: STA 87+00 - STA 101+33.34
26~28	SIGNING AND STRIPING PLANS - KOA
29~30	TRAFFIC SIGNAL PLANS - KOA
31~33	STREET LIGHTING PLANS - KOA
34~40	IRRIGATION PLANS - ELP
41~48	PLANTING PLANS - ELP
49~61	BRIDGE PLANS - KSW
62~65	SOUND WALL DETAILS - KSW

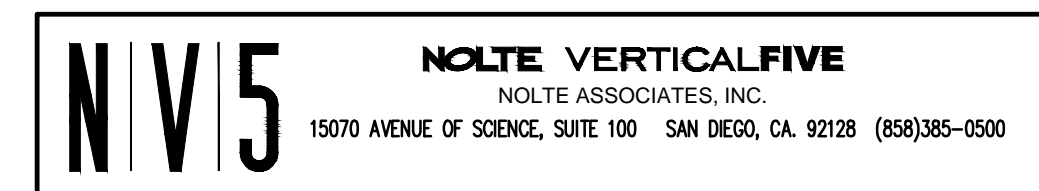
**EXISTING IMPROVEMENT LEGEND**

EXISTING IMPROVEMENT	SYMBOL
EXISTING RIGHT OF WAY	---
EXISTING CURB & GUTTER	=====
EXISTING AC BERM	=====
EXISTING WATER MAIN	W -----
EXISTING STORM DRAIN	-----
EXISTING SEWER MAIN	S -----
EXISTING GAS LINE	G -----
EXISTING TELEPHONE LINE	T -----
EXISTING INLET	□
EXISTING WATER VALVE	⊗
EXISTING SIGN	+
EXISTING CABINET	⊗
EXISTING PULL BOX	⊗
EXISTING WATER METER	⊗
EXISTING STORM DRAIN MANHOLE	⊗
EXISTING SEWER MANHOLE	⊗
EXISTING STREET LIGHT	☆
EXISTING MONUMENT	⊗
EXISTING POWER POLE	⊗
EXISTING GUY ANCHOR	⊗
EXISTING CONTOUR LINE	100'
EXISTING FIRE HYDRANT	⊗
EXISTING MANHOLE	⊗
EXISTING ELEC RISER	⊗
EXISTING TREE	⊗

**ABBREVIATIONS**

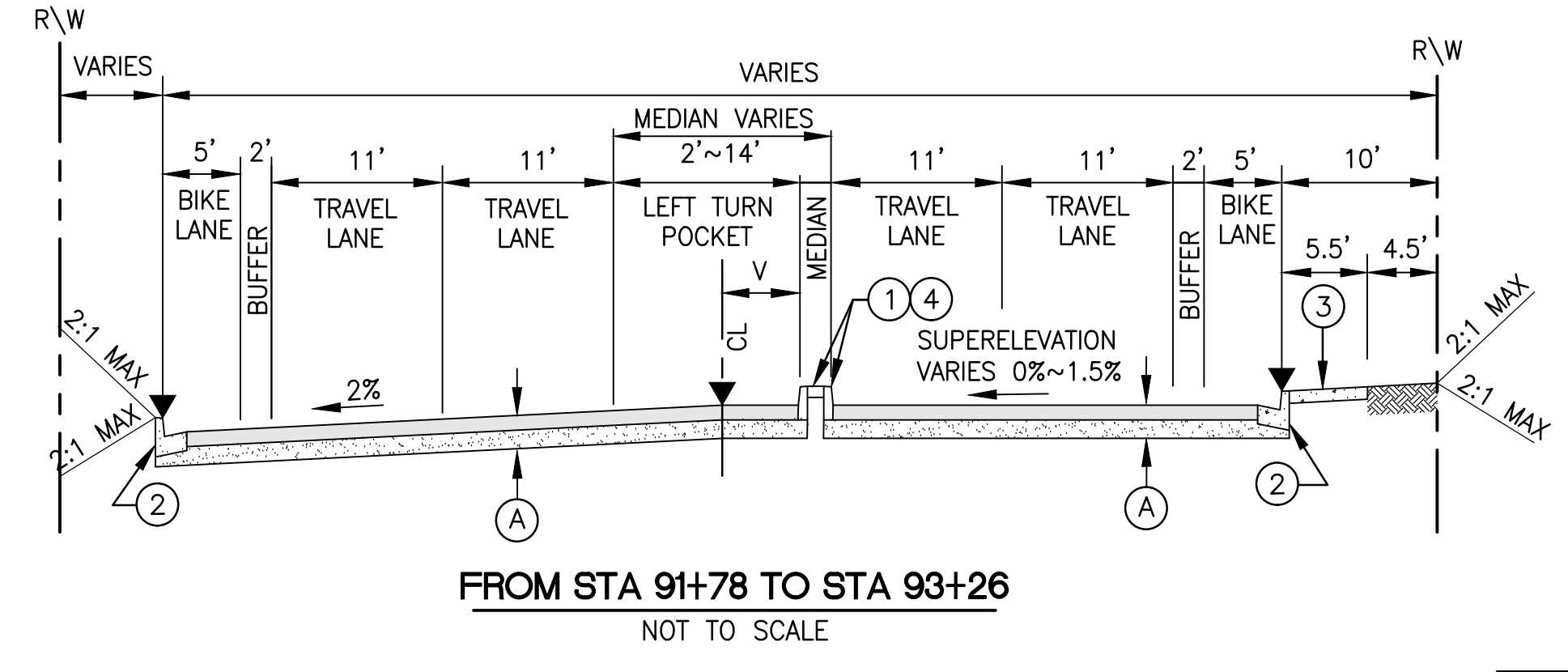
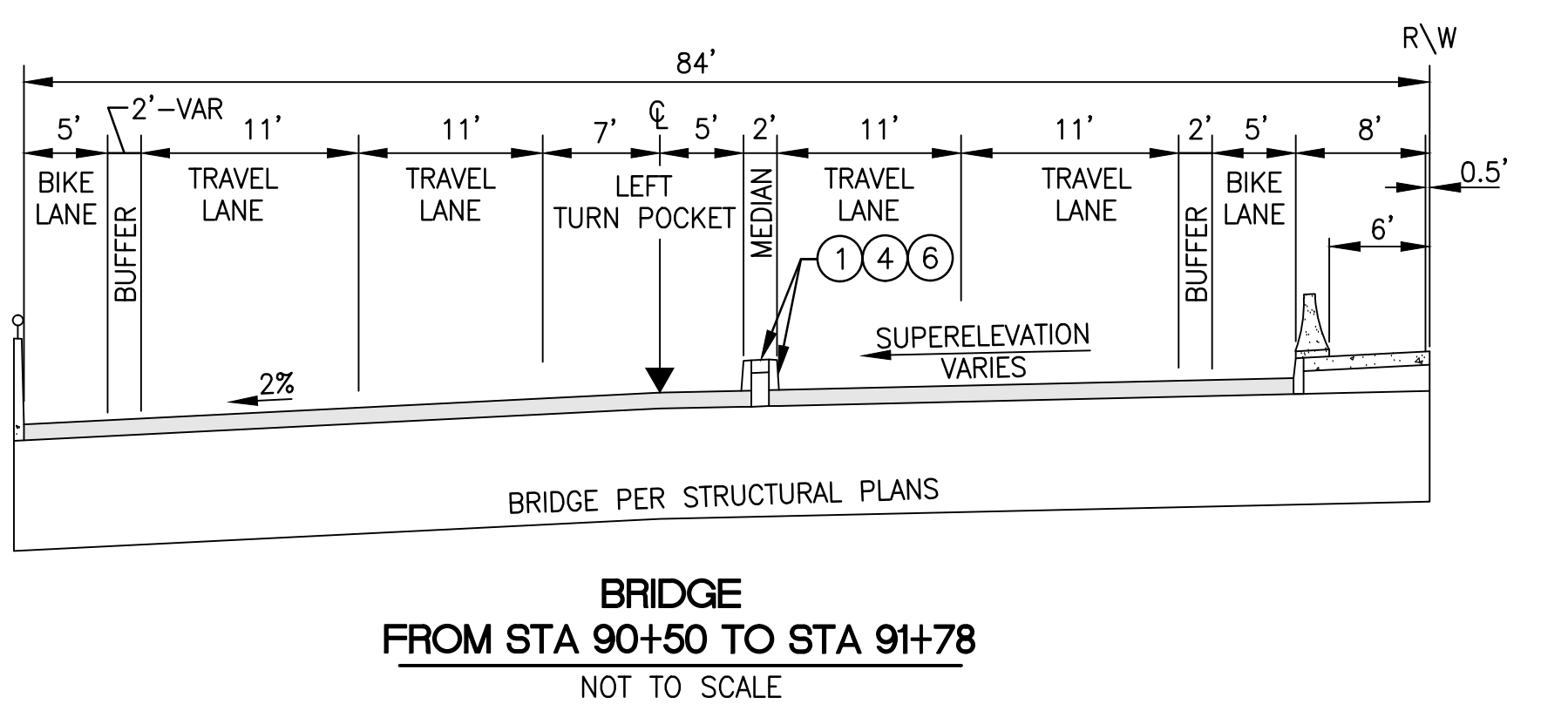
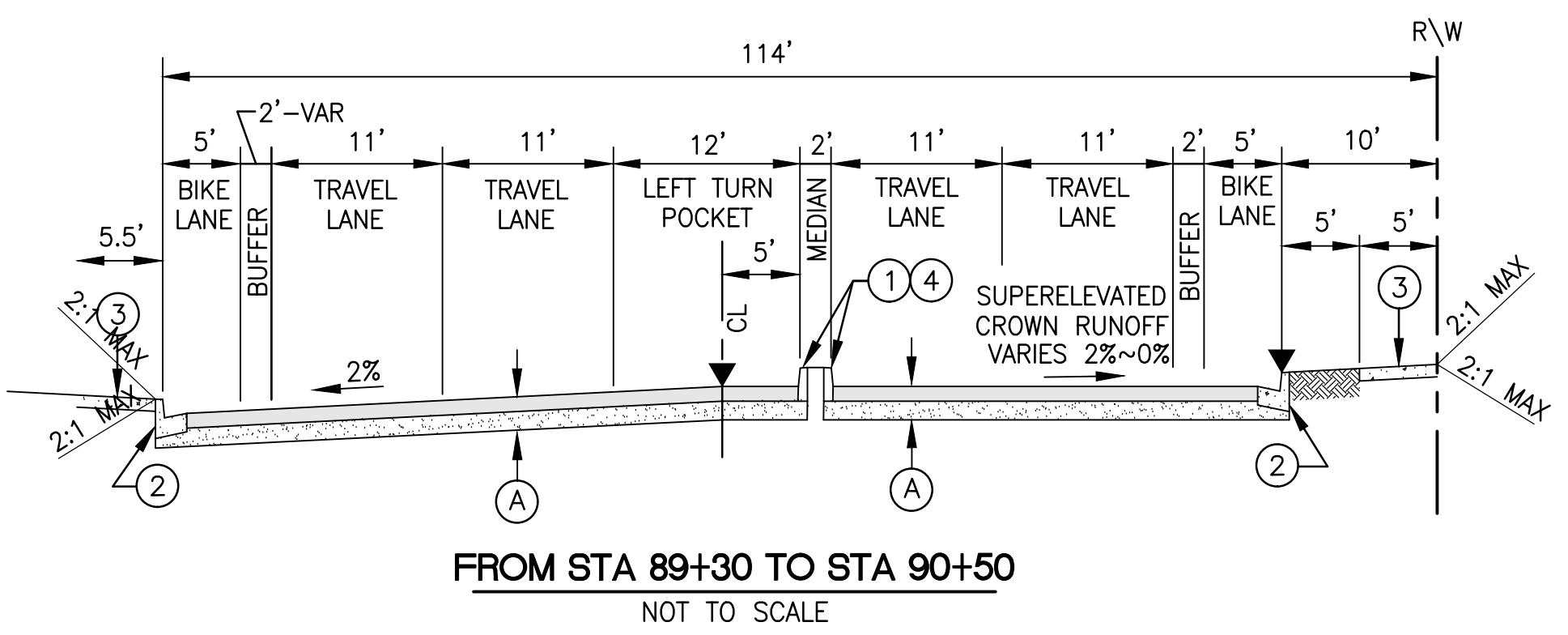
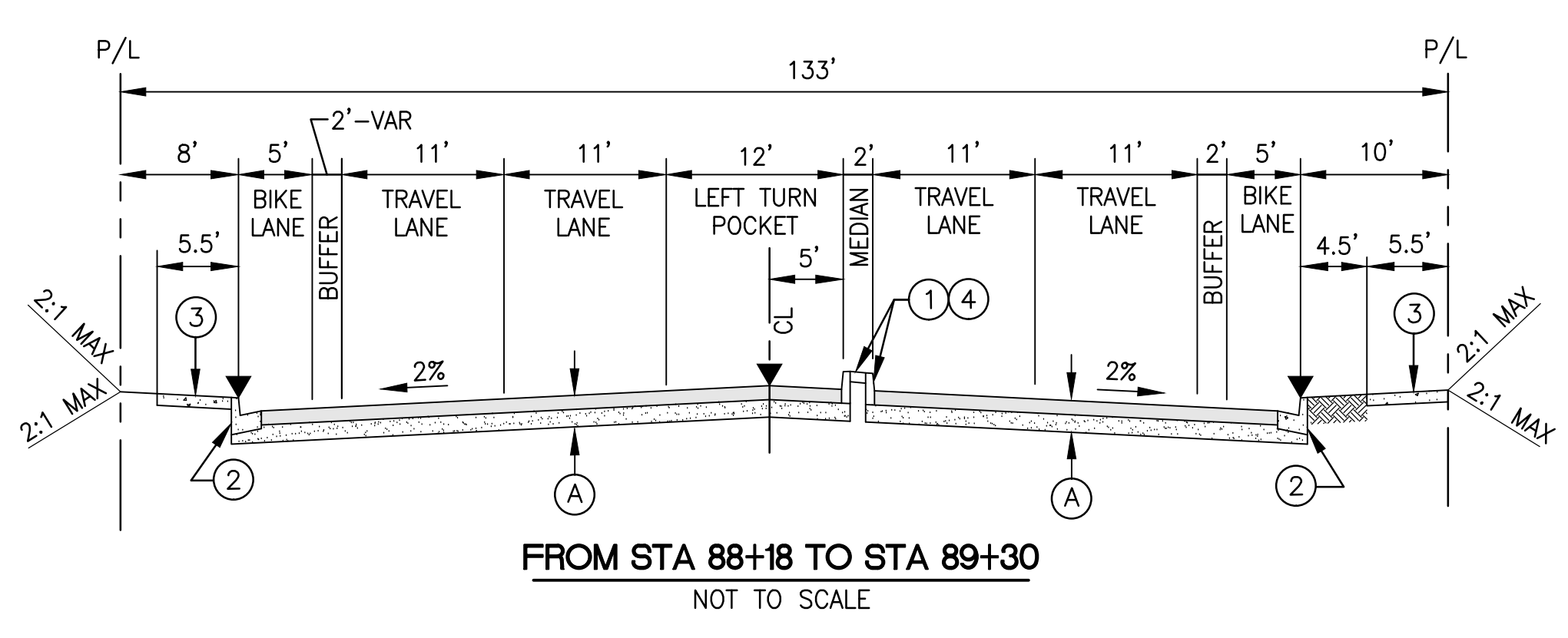
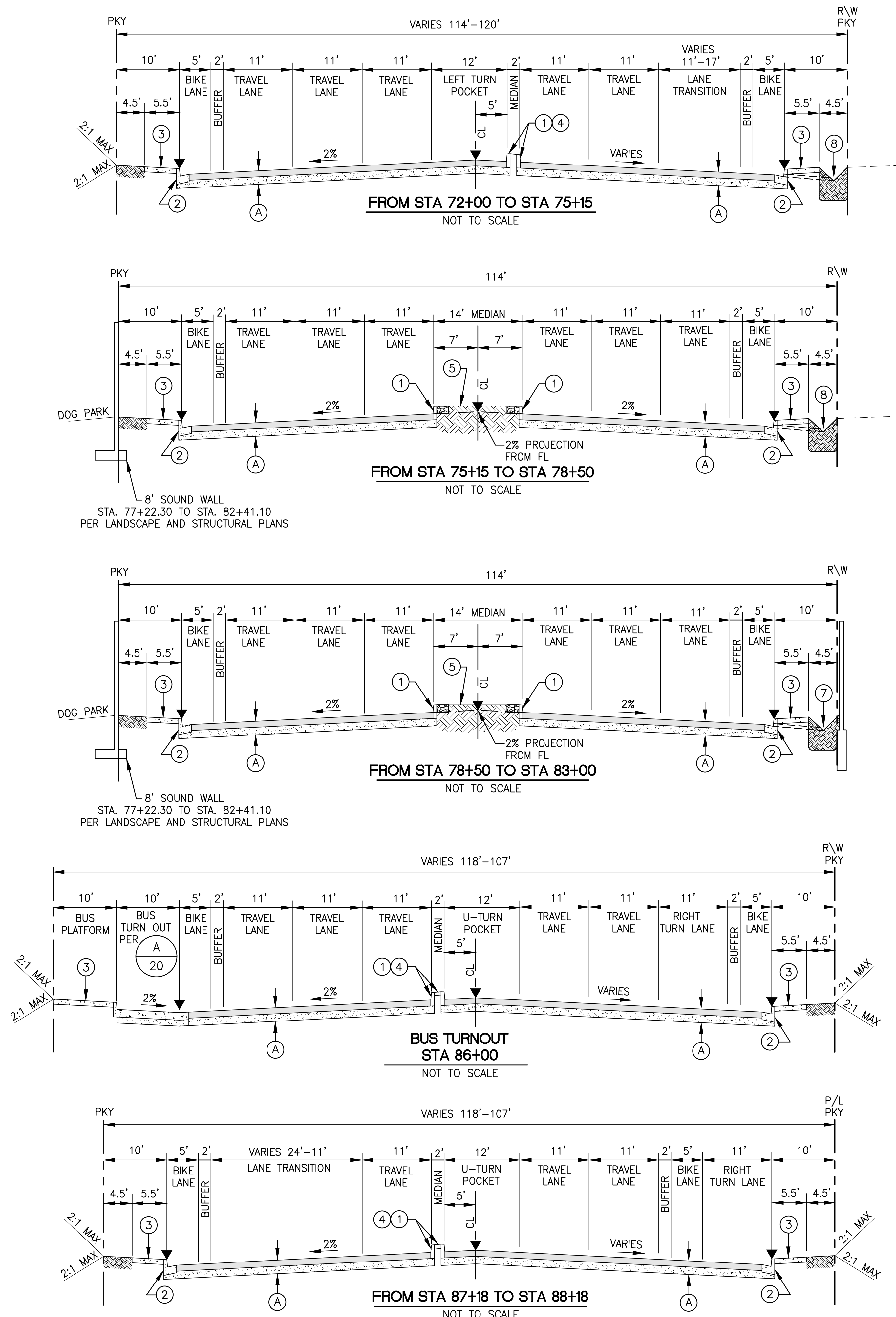
ABBREVIATION	MEANING	ABBREVIATION	MEANING	ABBREVIATION	MEANING
&	AND	HDW	HEADWALL	RSD	REGIONAL STANDARD DRAWINGS
@	AT	HGL	HYDRAULIC GRADE LINE	RT	RIGHT
AB	AGGREGATE BASE	HORIZ	HORIZONTAL	SDG&E	SAN DIEGO GAS AND ELECTRIC
AC	ASPHALT CONCRETE	HT	HEIGHT	SDWK	SIDEWALK
ANG	ANGLE	HWY	HIGHWAY	S'LY	SOUTHERLY
AVE	AVENUE	INT	INTERSECTION	SR	STATE ROUTE
BFB	BIOFILTRATION BASIN	INV	INVERT	ST	STREET
BMP	BEST MANAGEMENT PRACTICE	L	LENGTH	STA	STATION
BOW	BACK OF WALK	LF	LINEAR FEET	STD	STANDARD
BVC	BEGIN VERTICAL CURVE	LT	LEFT	TCE	TEMPORARY CONSTRUCTION EASEMENT
C&G	CURB AND GUTTER	LWR	LAKE WOHLFORD ROAD	TF	TOP OF FOOTING
CF	CURB FACE	M	METERS	TG	TOP OF GRADE
CI	CURB INLET	MAX	MAXIMUM	TRANS	TRANSITION
CL	CENTERLINE	MED	MEDIAN	TW	TOP OF WALL
CMP	CORRUGATED METAL PIPE	MH	MANHOLE	TYP	TYPICAL
CONC	CONCRETE	MIN	MINIMUM	U.O.N.	UNLESS OTHERWISE NOTED
CSP	CORRUGATED STEEL PIPE	N	NORTH	V	VARIES
CT	CALTRANS	NLY	NORTHERLY	VAR	VARIES
CTB	CEMENT TREATED BASE	NO.	NUMBER	VC	VERTICAL CURVE
CTR	CENTER	PB	PULLBOX	VCR	VALLEY CENTER ROAD
DR	DRIVE	PCC	PORTLAND CEMENT CONCRETE	VERT	VERTICAL
DWG	DRAWING	PCR	POINT OF COMPOUND CURVE	W	WEST, WIDTH
DWY	DRIVEWAY	PKWY	POINT OF CURB RETURN	W/	WITH
E	EAST	PL	PARKWAY	WM	WATER METER
E.P.A.	ENVIRONMENTAL PROTECTION AGENCY	PRVC	PLACE	WY	WAY
EB	EAST BOUND	PT	POINT OF REVERSE VERTICAL CURVE		
EC	END CURVE	PT	POINT		
EGL	ENERGY GRADE LINE	PVC	POLYVINYL CHLORIDE		
ELEC	ELECTRICAL	PVI	POINT OF VERTICAL INTERSECTION		
ELEV	ELEVATION	PVMT	PAVEMENT		
EVC	END VERTICAL CURVE	PVT	PRIVATE		
EVP	EAST VALLEY PARKWAY	Q	FLOW RATE		
EX	EXISTING	R	RADIUS		
EXIST	EXISTING	R/W	RIGHT OF WAY		
FL	FLOWLINE	RCP	REINFORCED CONCRETE PIPE		
FS	FINISHED SURFACE	RD	ROAD		
G	GRADE	REQ'D	REQUIRED		
GB	GRADE BREAK	RET	RETAINING		
GRD	GRADE	ROW	RIGHT OF WAY		
		RR	RAILROAD		

Revised: February 4, 2016  
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CONSTRUCTION RECORD	REFERENCES	Date	By	REVISIONS	App'd	Date	BENCH MARK	SCALE	Office	Designed By	Drawn By	Checked By	Submitted	Approved	CITY OF ESCONDIDO DEPT OF PUBLIC WORKS	Drawing No.
Contractor							BENCH MARK: THE BENCHMARK USED FOR THIS SURVEY IS THE CITY OF ESCONDIDO GPS CONTROL MONUMENT NO. 2136 AS SHOWN ON ON RECORD OF SURVEY NO. 14236. ELEVATION: 713.50 FEET, NGVD 1929	Horizontal Vertical N/A	Filmed	PHILIP R. KERN	PLANS PREPARED UNDER SUPERVISION OF Date R.C.E. No. 40831	PK	By	By	INDEX SHEET: EAST VALLEY PARKWAY	Sheet 2 of 65

Revised: February 5, 2016  
 Path: N:\SDB080900\Cadd\03\_Plans\01\_Sheets\03-sections Printed: 2/8/2016 8:20 AM



- LEGEND:**
- ① - MODIFIED 8" MEDIAN CURB TYPE B-1 (SDRSD G-6) PER DETAIL A SHEET 4
  - ② - TYPE G-2 CURB AND GUTTER
  - ③ - 4" PCC SIDEWALK @ 1.5% MAX
  - ④ - STAMPED CONCRETE MEDIAN PAVING
  - ⑤ - SEE LANDSCAPE PLANS
  - ⑥ - MEDIAN CURB ON BRIDGE PER DETAIL C SHEET 20
  - ⑦ - BIO SWALE, DETAIL A SHEET 5
  - ⑧ - BIO SWALE, DETAIL B SHEET 5
  - Ⓐ - 5" AC ON 10" AB
- ▼ DENOTES ELEVATION SHOWN ON PROFILE

**NIV5**  
**NOLTE VERTICALFIVE**  
 NOLTE ASSOCIATES, INC.  
 15070 AVENUE OF SCIENCE, SUITE 100 SAN DIEGO, CA 92128 (619)385-0500



CONSTRUCTION RECORD	REFERENCES	Date	By	REVISIONS	App'd	Date	BENCH MARK	SCALE	Office	Designed By	Drawn By	Checked By	Submitted	Approved	CITY OF ESCONDIDO	DEPT OF PUBLIC WORKS	Drawing No.
Contractor							THE BENCHMARK USED FOR THIS SURVEY IS THE CITY OF ESCONDIDO GPS CONTROL MONUMENT NO. 2136 AS SHOWN ON ON RECORD OF SURVEY NO. 14236. ELEVATION: 713.50 FEET, NGVD 1929	Horizontal	Filmed	SD	SD	PK	By	By	TYPICAL SECTIONS FOR:	<b>EAST VALLEY PARKWAY</b>	
Inspector								Vertical	Traffic	PHILIP R. KERN		R.C.E. No. 40831	Principal Civil Engineer	Deputy Director Of Public Works			Sheet 3 of 65





February 8, 2016  
 Path: N:\SDB080900\Cadd\03\_Plans\05-EVP-PnP Printed: 2/8/2016 9:21 AM

725 - LT TC

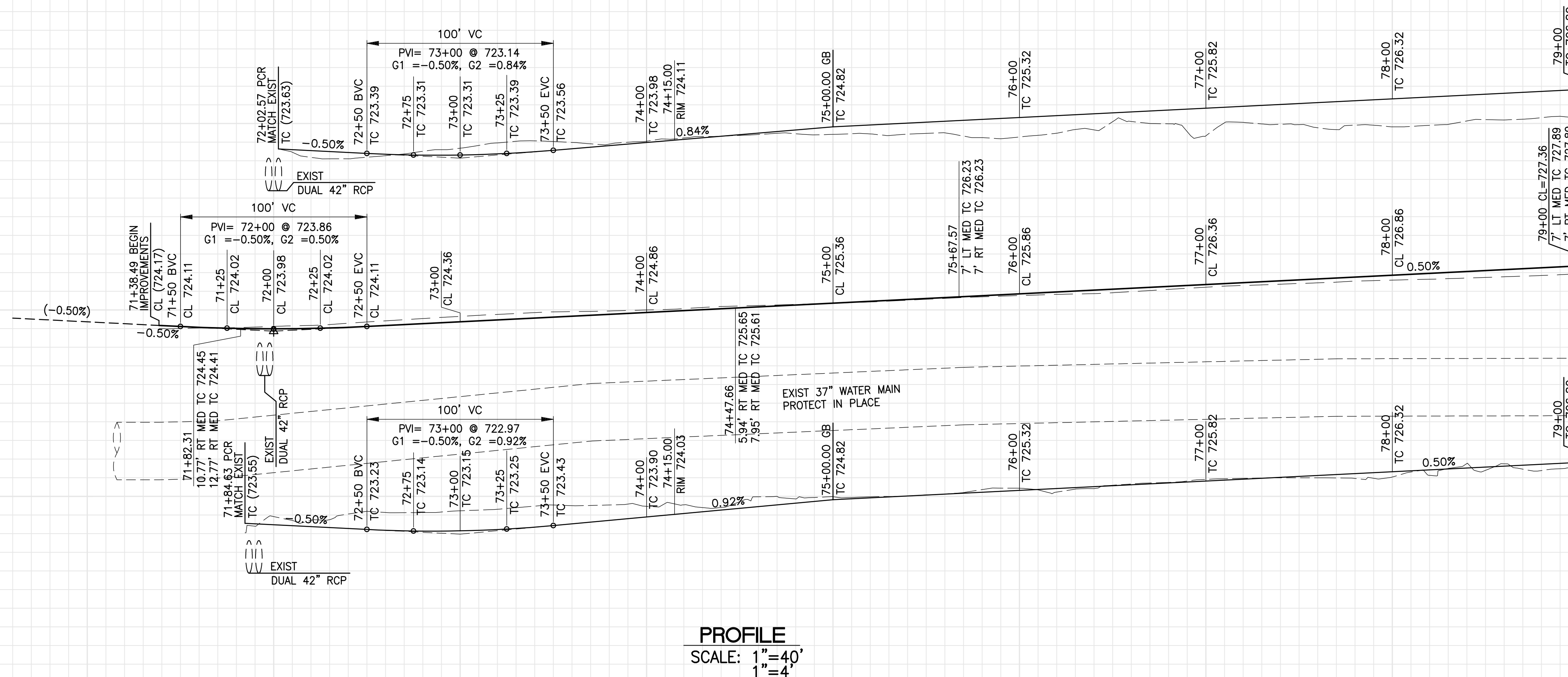
725 - Q

725 - RT TC

- 725 LT TC

- 725 Q

- 725 RT TC

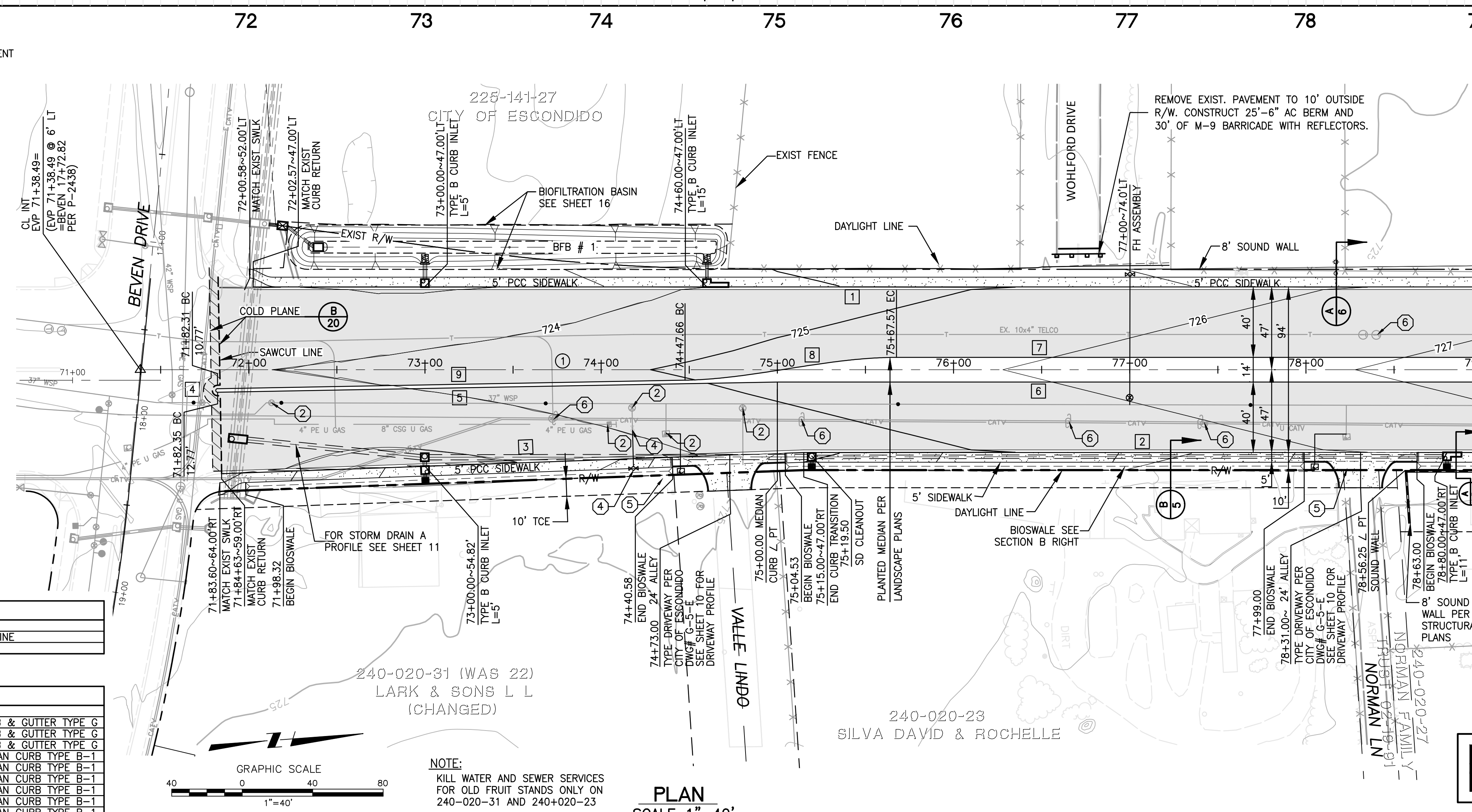


**PROFILE**  
SCALE: 1" = 40'

79+00 MATCHLINE SEE SHEET 6

**CONSTRUCTION NOTES**

- 1 REMOVE EXISTING A.C. AND CONCRETE PAVEMENT
- 2 ADJUST EXISTING VALVE WELL TO GRADE
- 3 ADJUST EXISTING MANHOLE TO GRADE
- 4 RELOCATE EXISTING FIRE HYDRANT ASSEMBLY
- 5 RELOCATE EXISTING WATER METER AND RECONNECT SERVICE
- 6 EXISTING FRANCHISE UTILITIES TO BE RELOCATED/ADJUSTED BY OTHERS



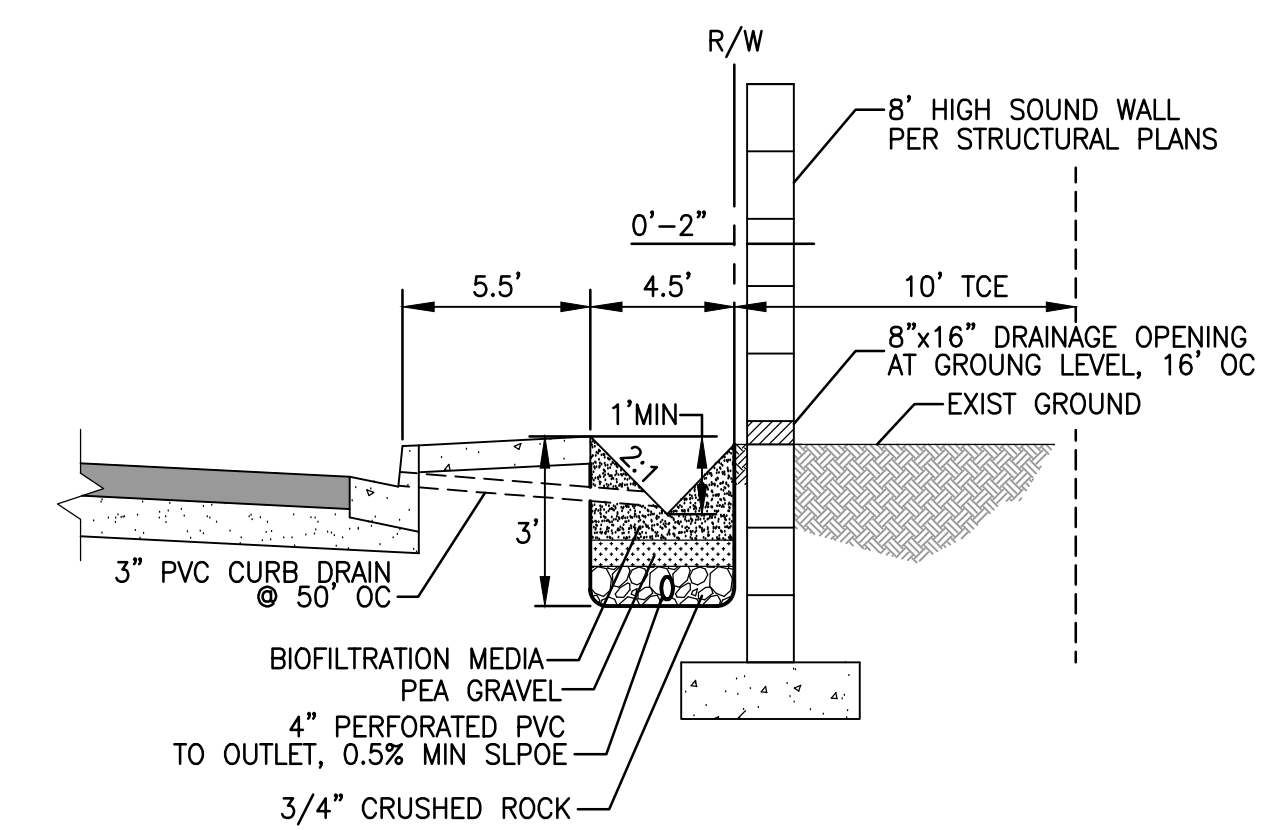
79+00 MATCHLINE SEE SHEET 6

**PLAN**  
SCALE 1" = 40'

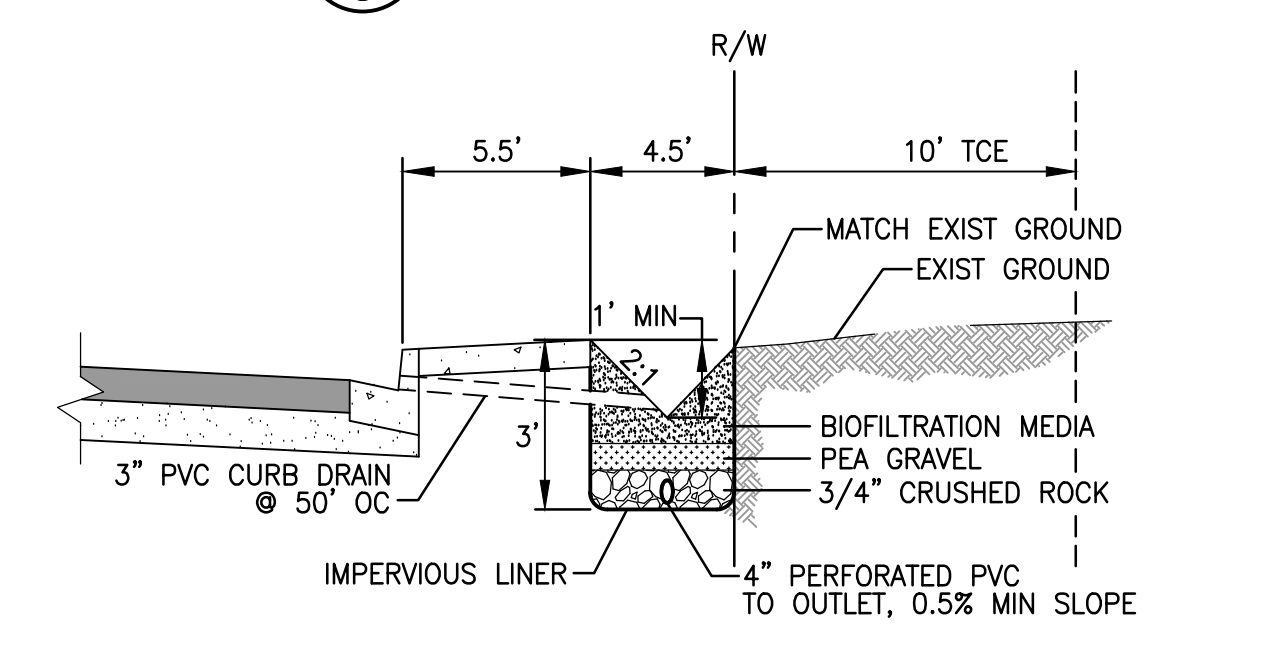
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NO.	DELTA/BEARING	RADIUS	LENGTH	REMARK
1	N 4°14'37" E	---	761.51'	CENTERLINE

CURB DATA				
NO.	DELTA/BEARING	RADIUS	LENGTH	REMARK
1	N 4°14'37" E	697.43'	16'	CURB & GUTTER TYPE G
2	N 4°14'37" E	385.00'	16'	CURB & GUTTER TYPE G
3	N 2°09'34" E	330.59'	16'	CURB & GUTTER TYPE G
4	Δ 180°00'00"	1.00'	3.14'	8' MEDIAN CURB TYPE B-1
5	N 3°12'12" E	317.70'	8'	MEDIAN CURB TYPE B-1
6	N 4°14'36" E	400.00'	8'	MEDIAN CURB TYPE B-1
7	N 4°14'36" E	332.43'	8'	MEDIAN CURB TYPE B-1
8	CALTRANS BAY TAPER	120.00'	8'	MEDIAN CURB TYPE B-1
9	N 3°12'03" E	265.40'	8'	MEDIAN CURB TYPE B-1

**NOTE:**  
KILL WATER AND SEWER SERVICES FOR OLD FRUIT STANDS ONLY ON 240-020-31 AND 240-020-23



**A**  
SECTION - BIO SWALE  
NTS



**B**  
SECTION - BIO SWALE  
NTS

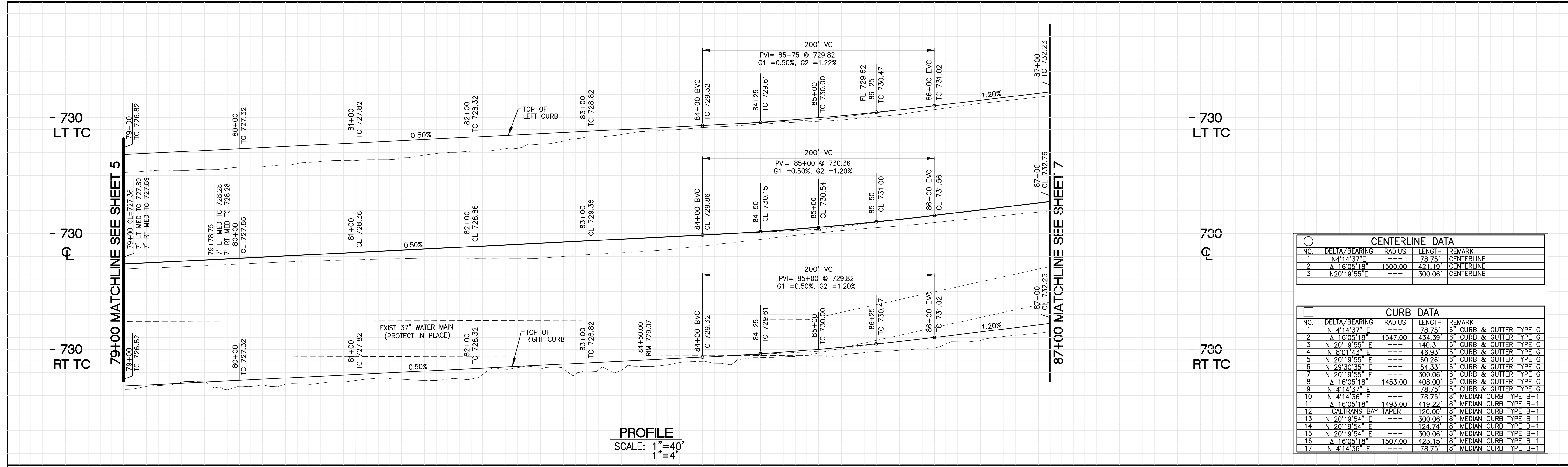
**NV5**  
**NOLTE VERTICAL FIVE**  
 NOLTE ASSOCIATES, INC.  
 15070 AVENUE OF SCIENCE, SUITE 100 SAN DIEGO, CA 92128 (858)385-0500



CONSTRUCTION RECORD		REFERENCES		REVISIONS		BENCH MARK		SCALE		Office		Designed By		Drawn By		Checked By		Submitted		Approved		CITY OF ESCONDIDO DEPT OF PUBLIC WORKS		Drawing No.	
Contractor								Horizontal	Filmed																
Inspector								Vertical	Traffic																
Date Completed																									

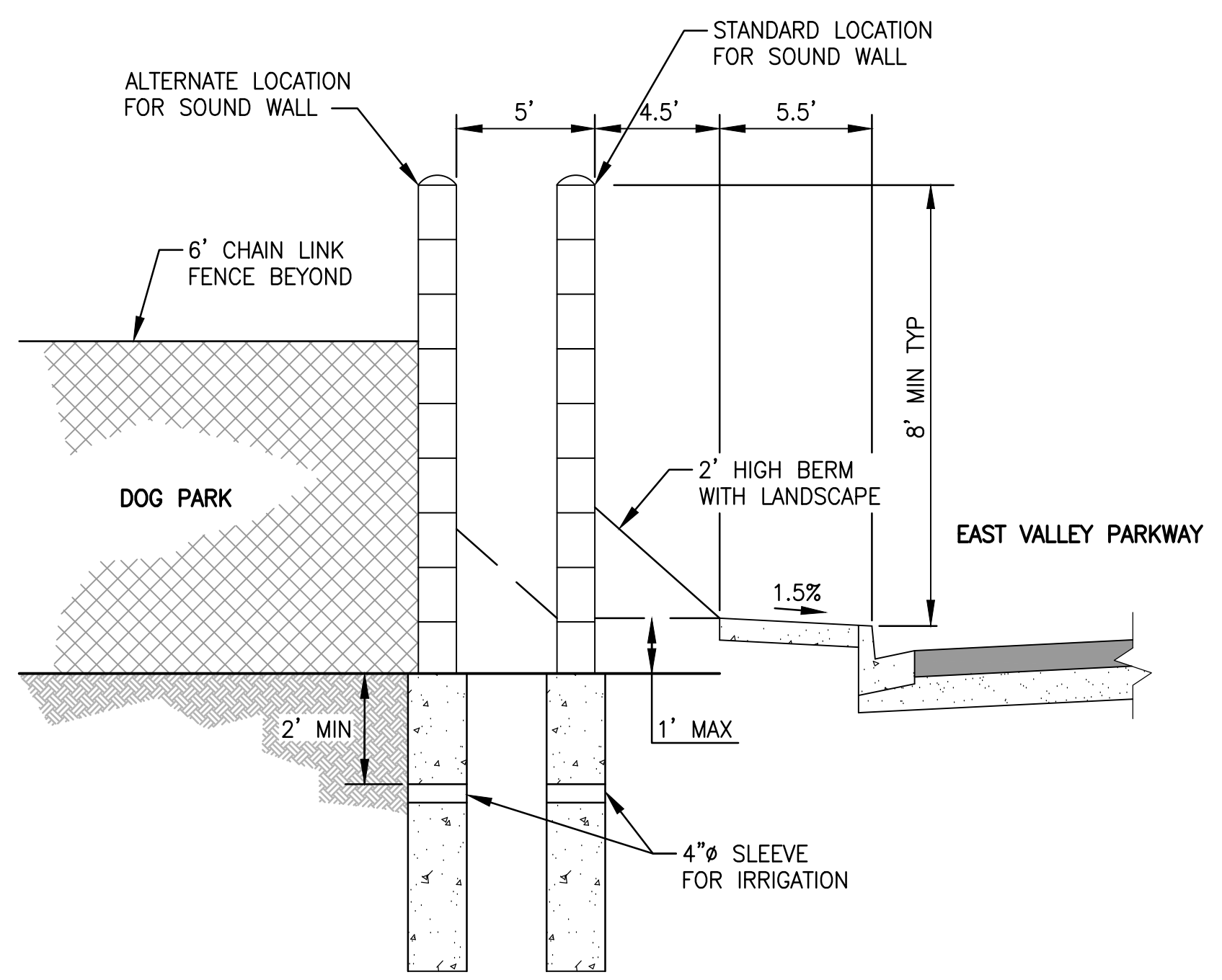
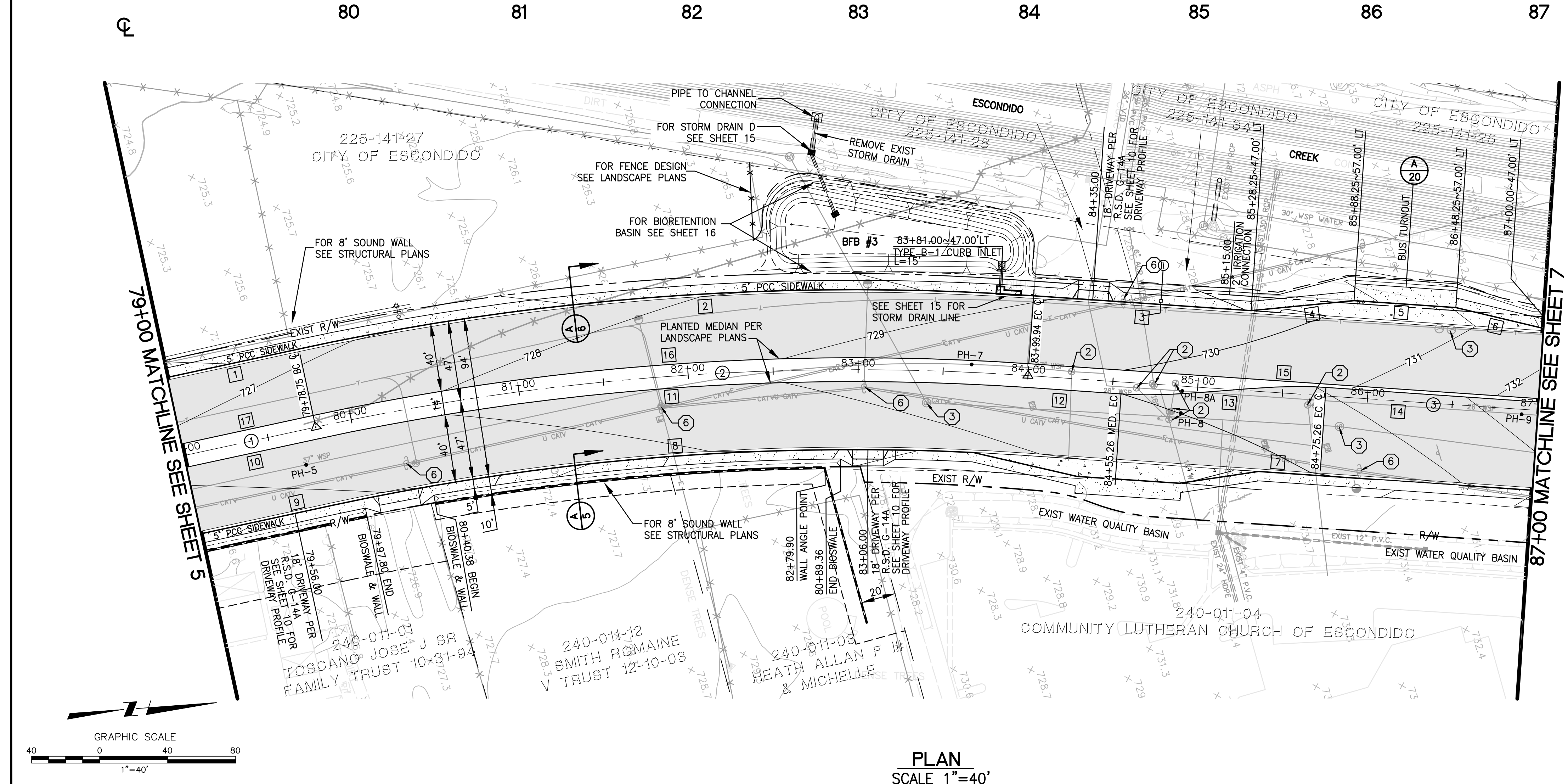
PLAN AND PROFILE FOR: **EAST VALLEY PARKWAY**  
 STA 71+38.49 TO STA 79+00  
 Drawing No. \_\_\_\_\_  
 Sheet 5 of 65

Revised: February 8, 2016  
 Path: N:\SDBB080900\Cadd\03\_Plans\06-EVP-PnP Printed: 2/8/2016 11:37 AM



CENTERLINE DATA				
NO.	DELTA/BEARING	RADIUS	LENGTH	REMARK
1	N4°14'37"E	78.75'	---	CENTERLINE
2	A 16°05'18"	1500.00'	421.19'	CENTERLINE
3	N20°19'55"E	---	300.06'	CENTERLINE

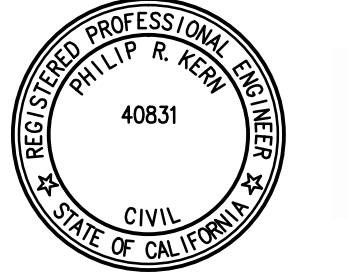
CURB DATA				
NO.	DELTA/BEARING	RADIUS	LENGTH	REMARK
1	N 4°14'37" E	78.75'	6"	CURB & GUTTER TYPE G
2	A 16°05'18"	1547.00'	434.39'	6" CURB & GUTTER TYPE G
3	N 8°01'43" E	---	140.31'	6" CURB & GUTTER TYPE G
4	N 8°01'43" E	---	46.93'	6" CURB & GUTTER TYPE G
5	N 20°19'55" E	---	60.26'	6" CURB & GUTTER TYPE G
6	N 20°19'55" E	---	54.33'	6" CURB & GUTTER TYPE G
7	N 20°19'55" E	---	300.06'	6" CURB & GUTTER TYPE G
8	A 16°05'18"	1453.00'	408.00'	6" CURB & GUTTER TYPE G
9	N 4°14'37" E	78.75'	6"	CURB & GUTTER TYPE G
10	N 4°14'36" E	---	78.75'	8" MEDIAN CURB TYPE B-1
11	A 16°05'18"	1493.00'	419.22'	8" MEDIAN CURB TYPE B-1
12	CALTRANS BAY TAPER	120.00'	8"	MEDIAN CURB TYPE B-1
13	N 20°19'54" E	---	300.06'	8" MEDIAN CURB TYPE B-1
14	N 20°19'54" E	---	124.74'	8" MEDIAN CURB TYPE B-1
15	N 20°19'54" E	---	300.06'	8" MEDIAN CURB TYPE B-1
16	A 16°05'18"	1507.00'	423.15'	8" MEDIAN CURB TYPE B-1
17	N 4°14'36" E	---	78.75'	8" MEDIAN CURB TYPE B-1



**A** SECTION - WEST NOISE WALL  
 NTS

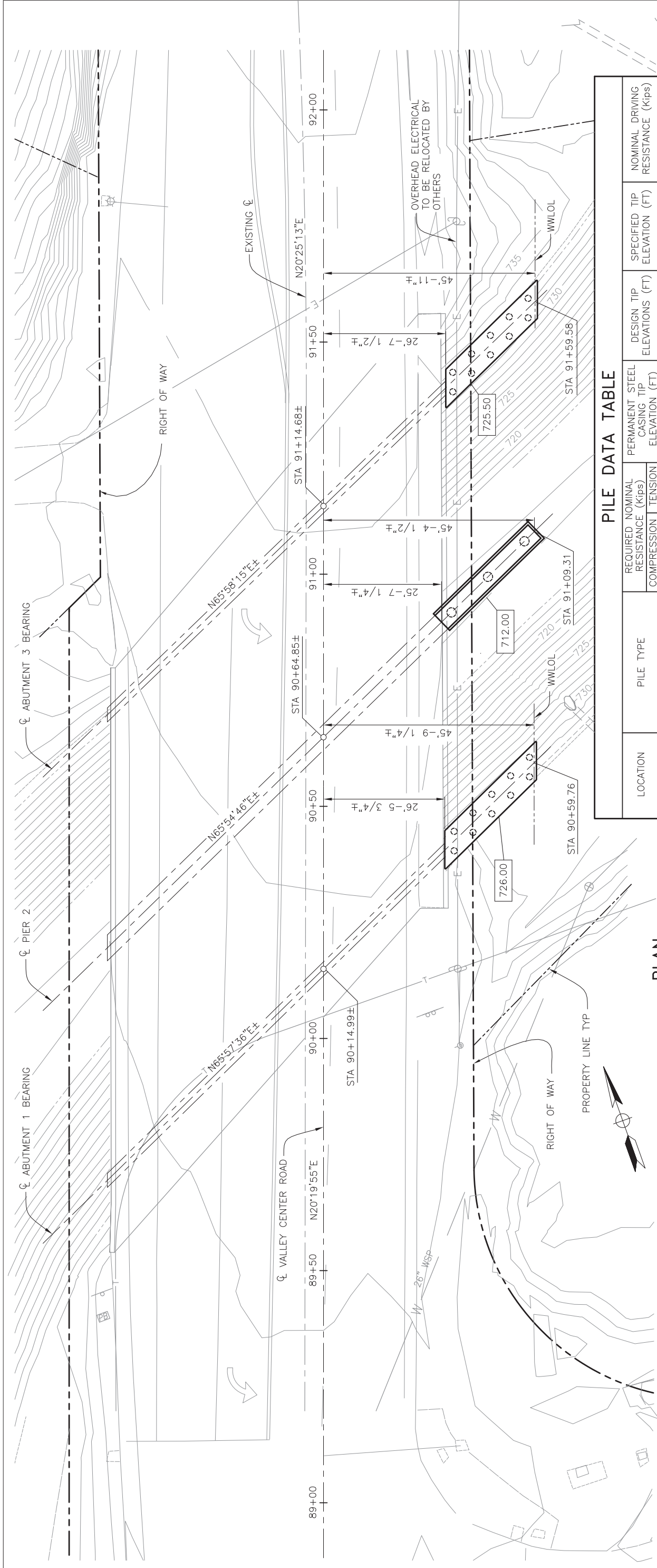
- CONSTRUCTION NOTES**
- REMOVE EXISTING A.C. AND CONCRETE PAVEMENT
  - ADJUST EXISTING VALVE WELL TO GRADE
  - ADJUST EXISTING MANHOLE TO GRADE
  - RELOCATE EXISTING FIRE HYDRANT ASSEMBLY
  - RELOCATE EXISTING WATER METER AND RECONNECT SERVICE
  - EXISTING FRANCHISE UTILITIES TO BE RELOCATED/ADJUSTED BY OTHERS

**NV5**  
**NOLTE VERTICALFIVE**  
 NOLTE ASSOCIATES, INC.  
 15070 AVENUE OF SCIENCE, SUITE 100 SAN DIEGO, CA 92128 (858)385-0500



CONSTRUCTION RECORD	REFERENCES	Date	By	REVISIONS	App'd	Date	BENCH MARK	SCALE	Office	Designed By	Drawn By	Checked By	Submitted	Approved	CITY OF ESCONDIDO DEPT OF PUBLIC WORKS	Drawing No.	
Contractor _____							BENCH MARK: THE BENCHMARK USED FOR THIS SURVEY IS THE CITY OF ESCONDIDO GPS CONTROL MONUMENT NO. 2136 AS SHOWN ON ON RECORD OF SURVEY NO. 14236. ELEVATION: 713.50 FEET, NGVD 1929	Horizontal	Filmed	PHILIP R. KERN	SD	SD	PK	By _____	By _____	PLAN AND PROFILE FOR: <b>EAST VALLEY PARKWAY STA 79+00 TO STA 87+00</b>	Sheet 6 of 65

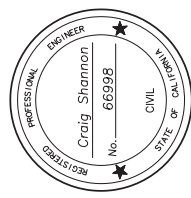
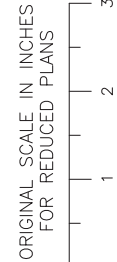




PLAN  
1" = 10'

HYDROLOGIC SUMMARY	
DRAINAGE AREA = 9,536 ACRES (14.9 SQUARE MILES)	DESIGN FLOOD FREQUENCY (YEARS)
	100
	DISCHARGE (CUBIC FEET PER SECOND)
	6,600
	WATER SURFACE ELEVATION AT BRIDGE (FEET)
	733.2

- NOTES:
1. [Symbol] - INDICATES BOTTOM OF FOOTING ELEVATION IN FEET, MSL
  2. [Symbol] - INDICATES CLASS 140 STEEL PIPE PILE
  3. [Symbol] - INDICATES 2'-0" DIA CIDH PILE
  4. FOR LIMITS OF EXCAVATION AND BACKFILL NOT SHOWN, SEE A62C



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Tel (619) 831-4600

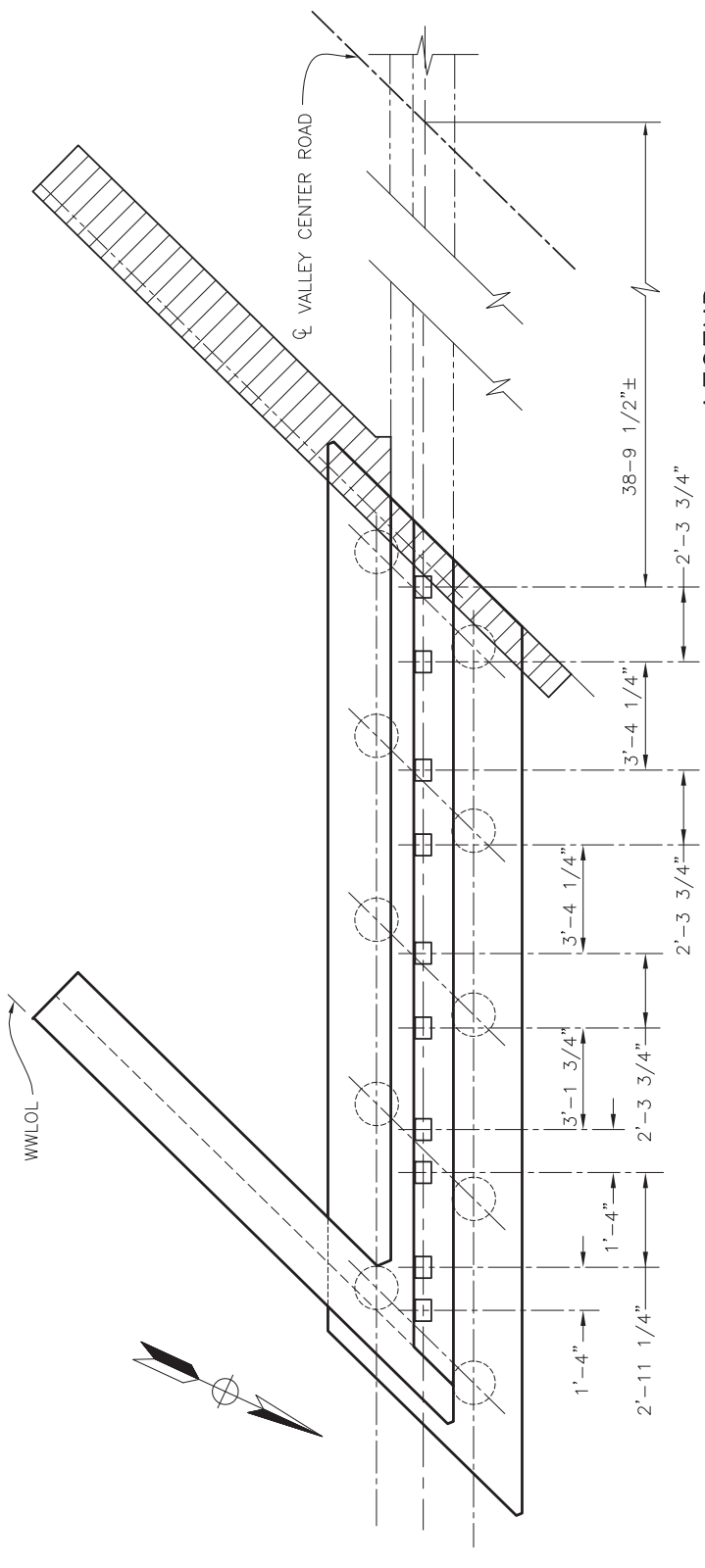
CONSTRUCTION RECORD	REFERENCES
Contractor _____	
Inspector _____	
Date Completed _____	

LOCATION	PILE TYPE	REQUIRED NOMINAL RESISTANCE (Kips)		PERMANENT STEEL CASING TIP ELEVATION (FT)	DESIGN TIP ELEVATIONS (FT)	SPECIFIED TIP ELEVATION (FT)	NOMINAL DRIVING RESISTANCE (Kips)
		COMPRESSION	TENSION				
ABUTMENT 1	CLASS 140, ALT "W" (PP14 x 0.375)	90	0	N/A	685 (a) 695 (c) 695 (d)	685	90
PIER 2 (WEST PILE)	CIDH PILE WITH 30" PERMANENT STEEL CASING (NPS 30 x 1/2) AND 24" ROCK SOCKET	530	0	702	685 (a) 685 (c) 685 (d)	685	N/A
PIER 2 (CENTER PILE)	CIDH PILE WITH 30" PERMANENT STEEL CASING (NPS 30 x 1/2) AND 24" ROCK SOCKET	530	0	695	678 (a) 678 (c) 678 (d)	678	N/A
PIER 2 (EAST PILE)	CIDH PILE WITH 30" PERMANENT STEEL CASING (NPS 30 x 1/2) AND 24" ROCK SOCKET	530	0	688	671 (a) 671 (c) 671 (d)	671	N/A
ABUTMENT 3 (WEST)	CLASS 140, ALT "W" (PP14 x 0.375)	100	0	N/A	700 (a) 705 (c) 705 (d)	700	100
ABUTMENT 3 (EAST)	CLASS 140, ALT "W" (PP14 x 0.375)	100	0	N/A	685 (a) 697 (c) 697 (d)	685	100

- NOTES:
1. DESIGN TIP ELEVATIONS FOR ABUTMENTS ARE CONTROLLED BY: (a) COMPRESSION, (c) SETTLEMENT, (d) LATERAL LOAD.
  2. DESIGN TIP ELEVATIONS FOR PIERS ARE CONTROLLED BY: (a) COMPRESSION, (c) SETTLEMENT, (d) LATERAL LOAD.
  3. SPECIFIED TIP ELEVATIONS BETWEEN ABUTMENT 3 (WEST) AND ABUTMENT 3 (EAST) MAY BE ASSUMED TO VARY LINEARLY.
  4. AT PIER 2 THE ROCK SOCKET TIP ELEVATION SHALL NOT BE RAISED. PERMANENT STEEL CASING TIP ELEVATION MAY BE RAISED PROVIDED IT IS AT LEAST TWO FEET INTO WEATHERED ROCK.
  5. AT ABUTMENTS THE SPECIFIED TIP ELEVATION SHALL NOT BE RAISED ABOVE THE DESIGN TIP ELEVATIONS FOR TENSION, LATERAL, AND TOLERABLE SETTLEMENT.

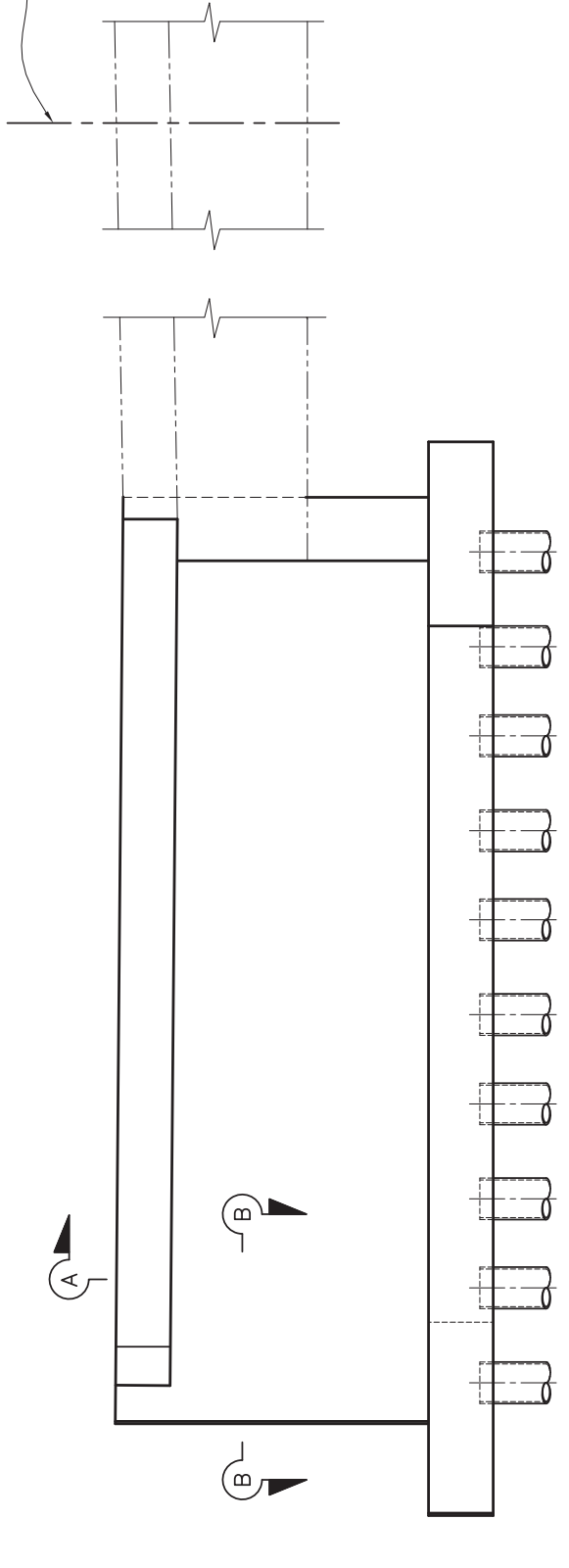
<p>Contractor _____</p> <p>Inspector _____</p> <p>Date Completed _____</p>		<p>City of Escondido</p> <p>DEPT OF PUBLIC WORKS</p> <p>FOUNDATION PLAN FOR:</p> <p>EAST VALLEY PARKWAY</p>		<p>Drawing No.</p> <p>Sheet 51 of 65</p>
<p>DESIGNED BY: E. Schroth-Nichols</p> <p>DRAWN BY: D. Blodau</p> <p>CHECKED BY: J. Sanders</p> <p>PLANS PREPARED UNDER SUPERVISION OF: _____</p>		<p>APPROVED BY: _____</p> <p>By: _____</p> <p>Principal Civil Engineer</p>		<p>Submitted: _____</p> <p>By: _____</p> <p>Deputy Director of Public Works</p>





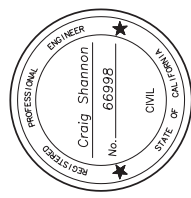
**LEGEND**  
 INDICATES LIMITS OF BRIDGE REMOVAL

**ABUTMENT 1 PLAN**  
 3/8" = 1'-0"



NOTE: FOR SECTION B-B, SEE "ABUTMENT DETAILS" SHEET.

**ABUTMENT 1 ELEVATION**  
 3/8" = 1'-0"



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 Tel (619) 831-4600

**100% SUBMITTAL NOT FOR CONSTRUCTION**

CONSTRUCTION RECORD	REFERENCES
Contractor: _____	
Inspector: _____	
Date Completed: _____	

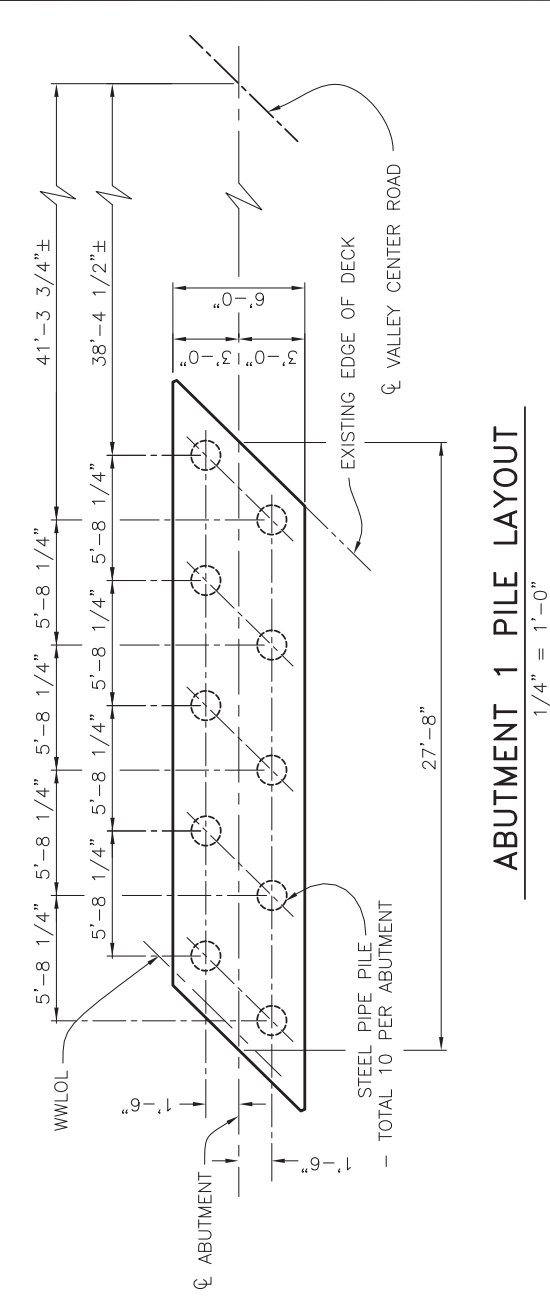
REVISIONS	Date	By

BENCH MARK	App'd	Date
THE BENCHMARK USED FOR THIS SURVEY IS MONUMENT NO. 2136 AS SHOWN ON RECORD OF SURVEY NO. 14236. ELEVATION: 715.50 FEET, NOD 1929		

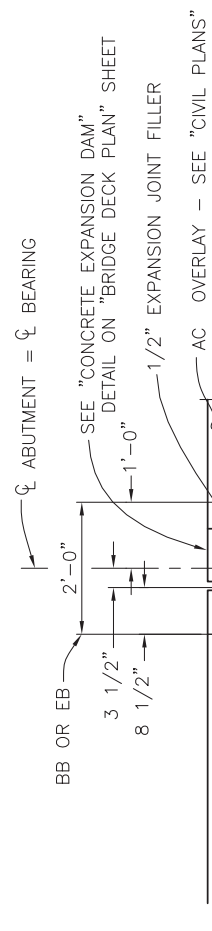
SCALE	Office
Horizontal	Filled
Vertical	Traffic

Designed By	Drawn By	Checked By
E. Schroth-Nichols	D. Blidseau	J. Sanders

Submitted	Approved
By _____	By _____
Principal Civil Engineer	Deputy Director Of Public Works

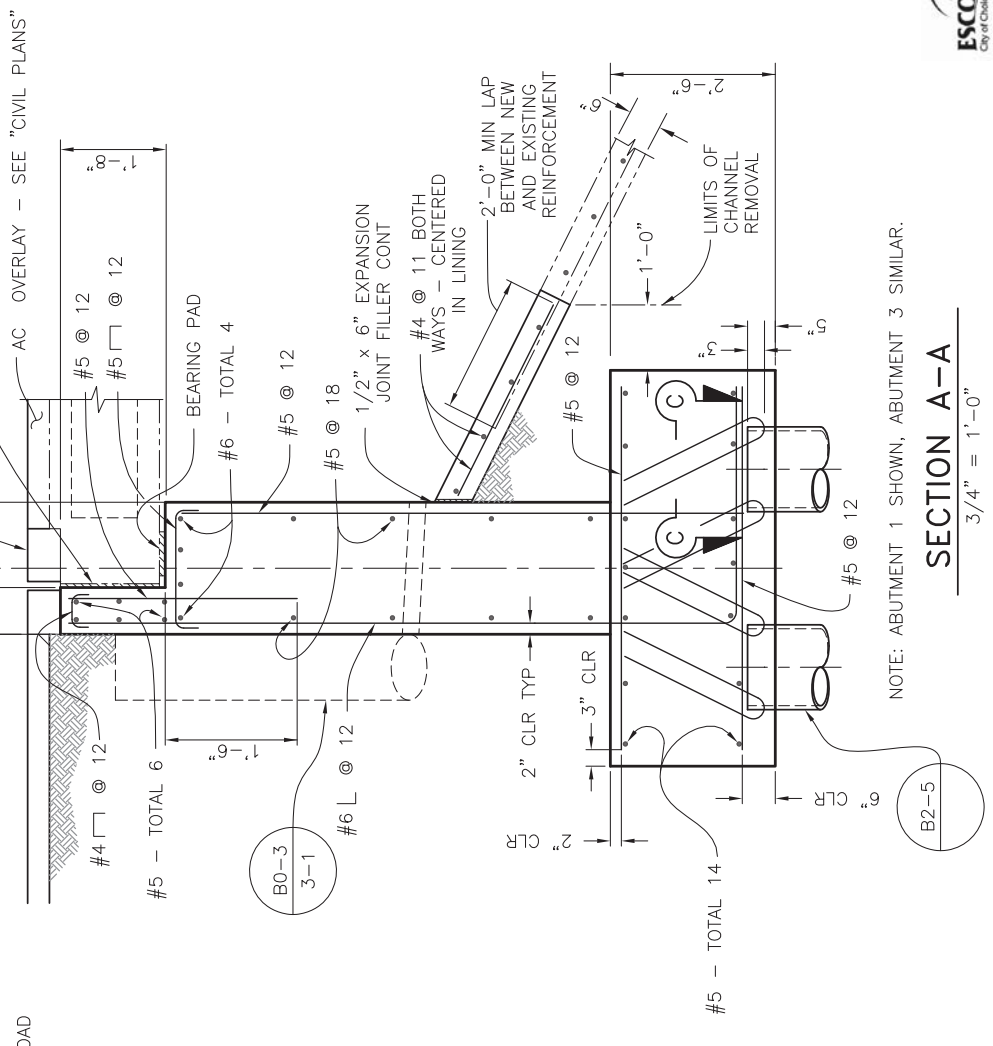


**ABUTMENT 1 PILE LAYOUT**  
 1/4" = 1'-0"



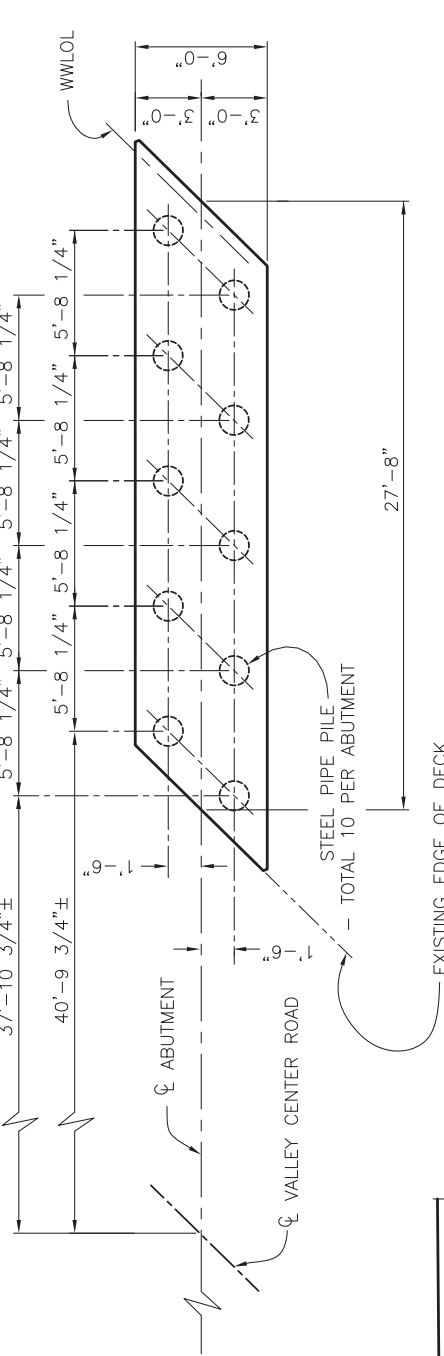
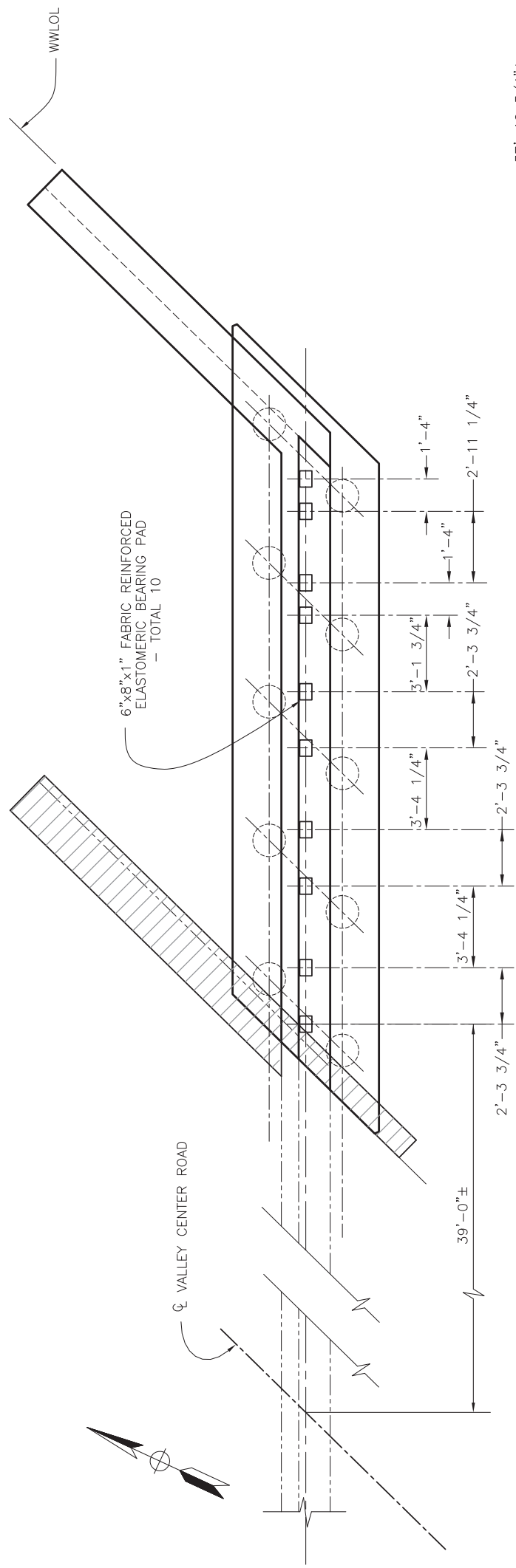
NOTE: ABUTMENT 1 SHOWN, ABUTMENT 3 SIMILAR.

**SECTION A-A**  
 3/4" = 1'-0"



**SECTION C-C**  
 3/4" = 1'-0"

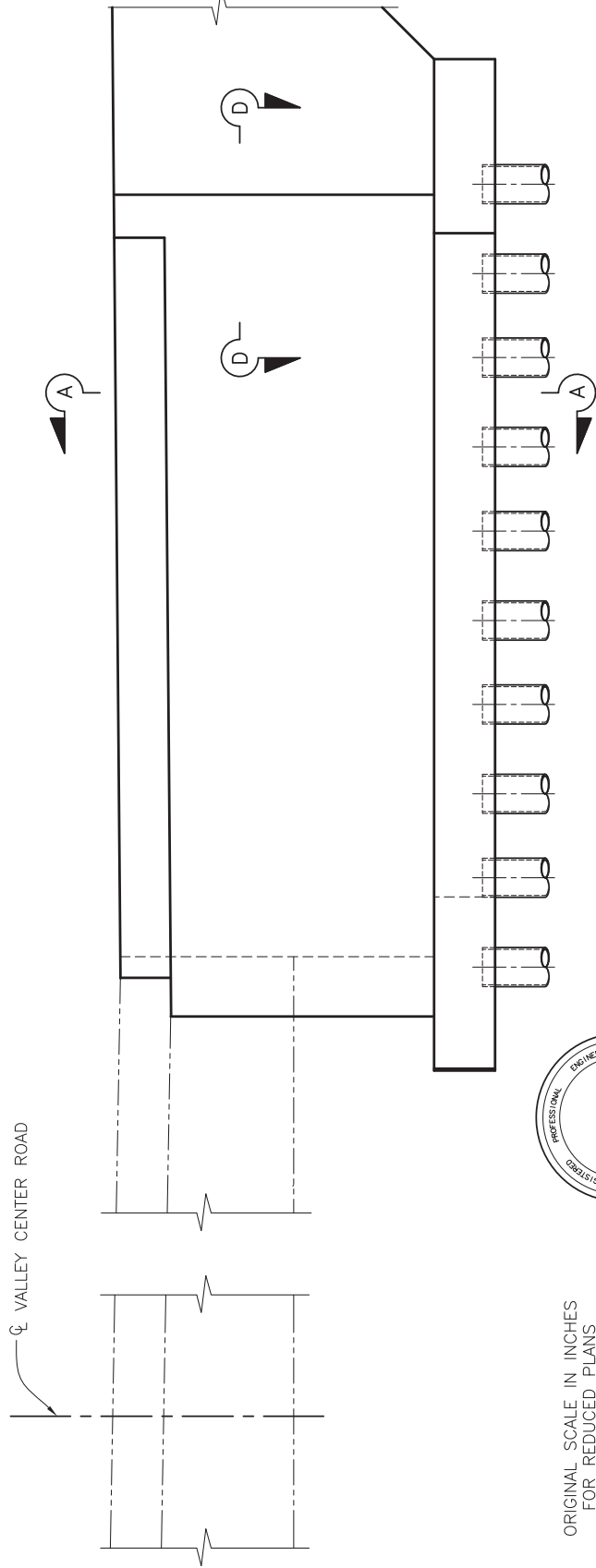




**LEGEND**

INDICATES LIMITS OF BRIDGE REMOVAL

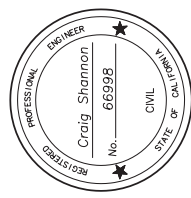
**ABUTMENT 3 PLAN**  
3/8" = 1'-0"



NOTE: FOR SECTION A-A, SEE "ABUTMENT 1 LAYOUT" SHEET,  
FOR SECTION D-D, SEE "ABUTMENT DETAILS" SHEET.

**ABUTMENT 3 ELEVATION**  
3/8" = 1'-0"

ORIGINAL SCALE IN INCHES  
FOR REDUCED PLANS

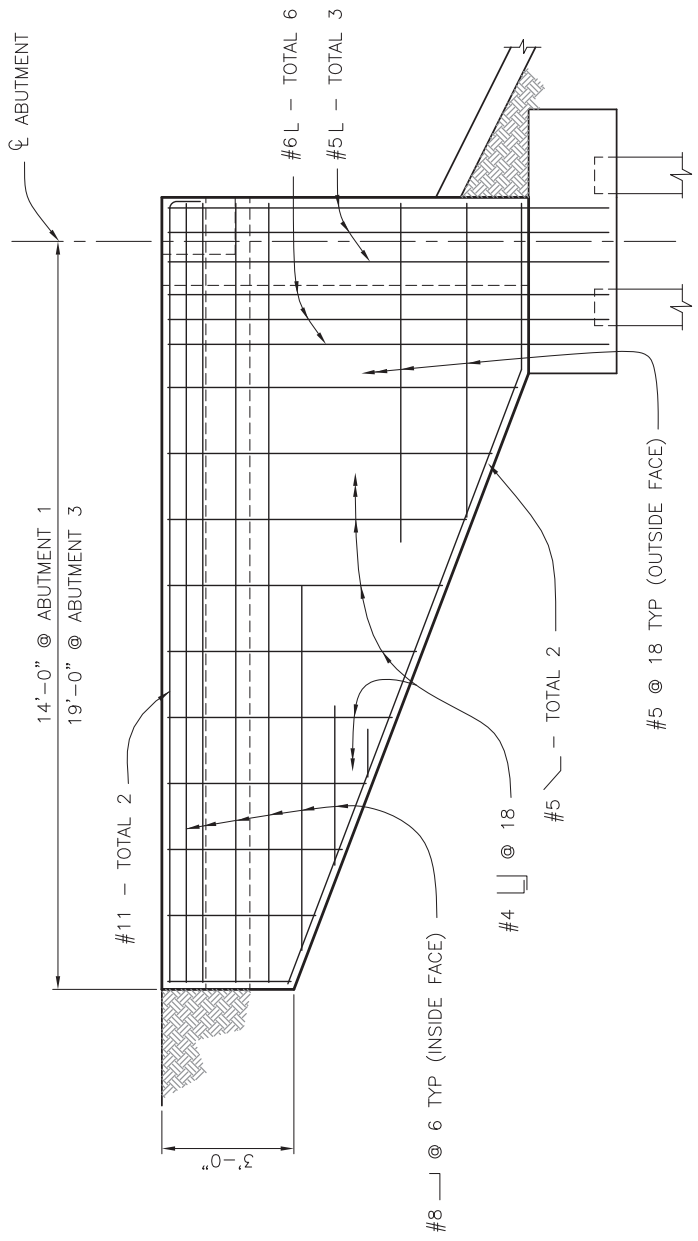


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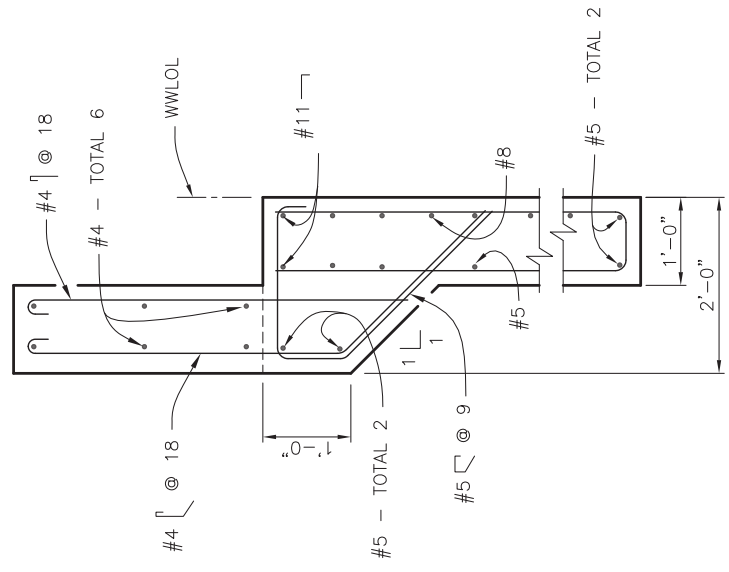
Contractor	Submitted	Approved	<b>CITY OF ESCONDIDO</b>		Drawing No.
Inspector	By	By	<b>DEPT OF PUBLIC WORKS</b>		
Date Completed	Principal Civil Engineer	Deputy Director Of Public Works	ABUTMENT 3 LAYOUT FOR:		Sheet 5.3 of 65
CONSTRUCTION RECORD	REFERENCES	REVISIONS	EAST VALLEY PARKWAY		
Date	By	Date			
App'd	Date	App'd			
Designed By	Drawn By	Checked By			
E. Schroth-Nichols	D. Blidseau	J. Sanders			
Plans Prepared	Under Supervision Of	Date			
		R.C.E. No.			





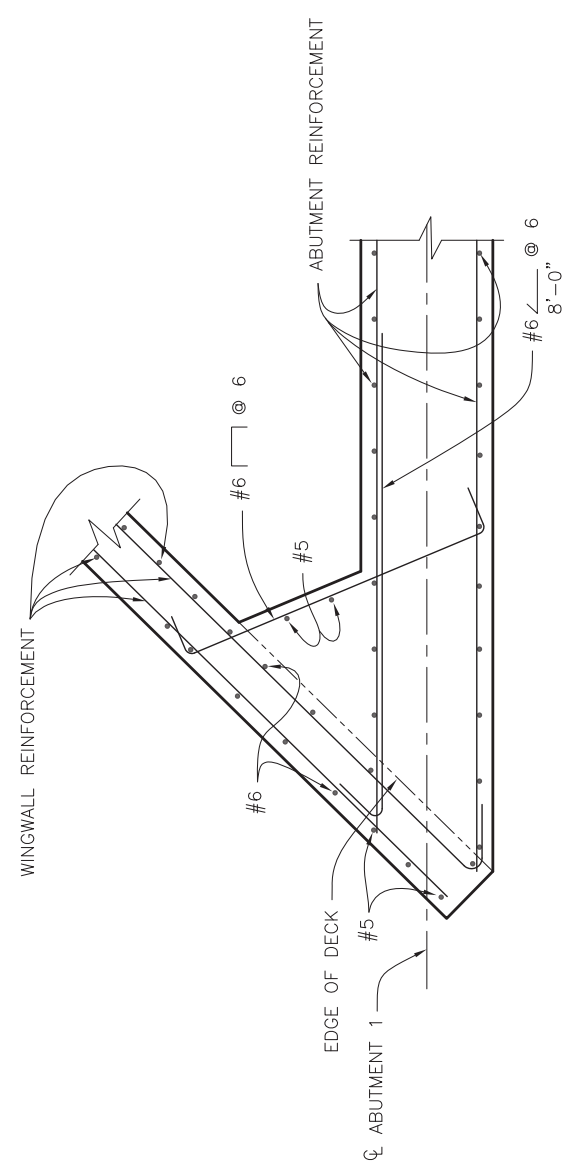
NOTE: CONCRETE BARRIER AND RAILING NOT SHOWN FOR CLARITY.

**TYPICAL WINGWALL ELEVATION**  
1/2" = 1'-0"



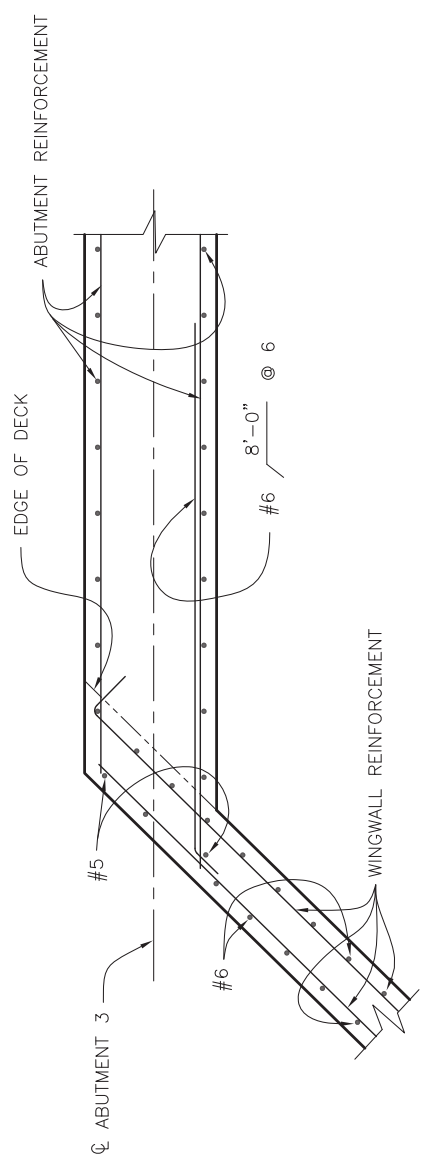
NOTE: METAL RAILING NOT SHOWN FOR CLARITY.

**TYPICAL WINGWALL SECTION WITH CONCRETE BARRIER**  
1" = 1'-0"



NOTE: FOR LOCATION OF SECTION B-B, SEE "ABUTMENT 1 LAYOUT" SHEET.

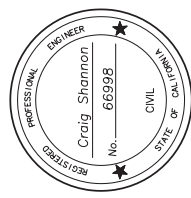
**SECTION B-B**  
3/4" = 1'-0"



NOTE: FOR LOCATION OF SECTION D-D, SEE "ABUTMENT 3 LAYOUT" SHEET.

**SECTION D-D**  
3/4" = 1'-0"

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

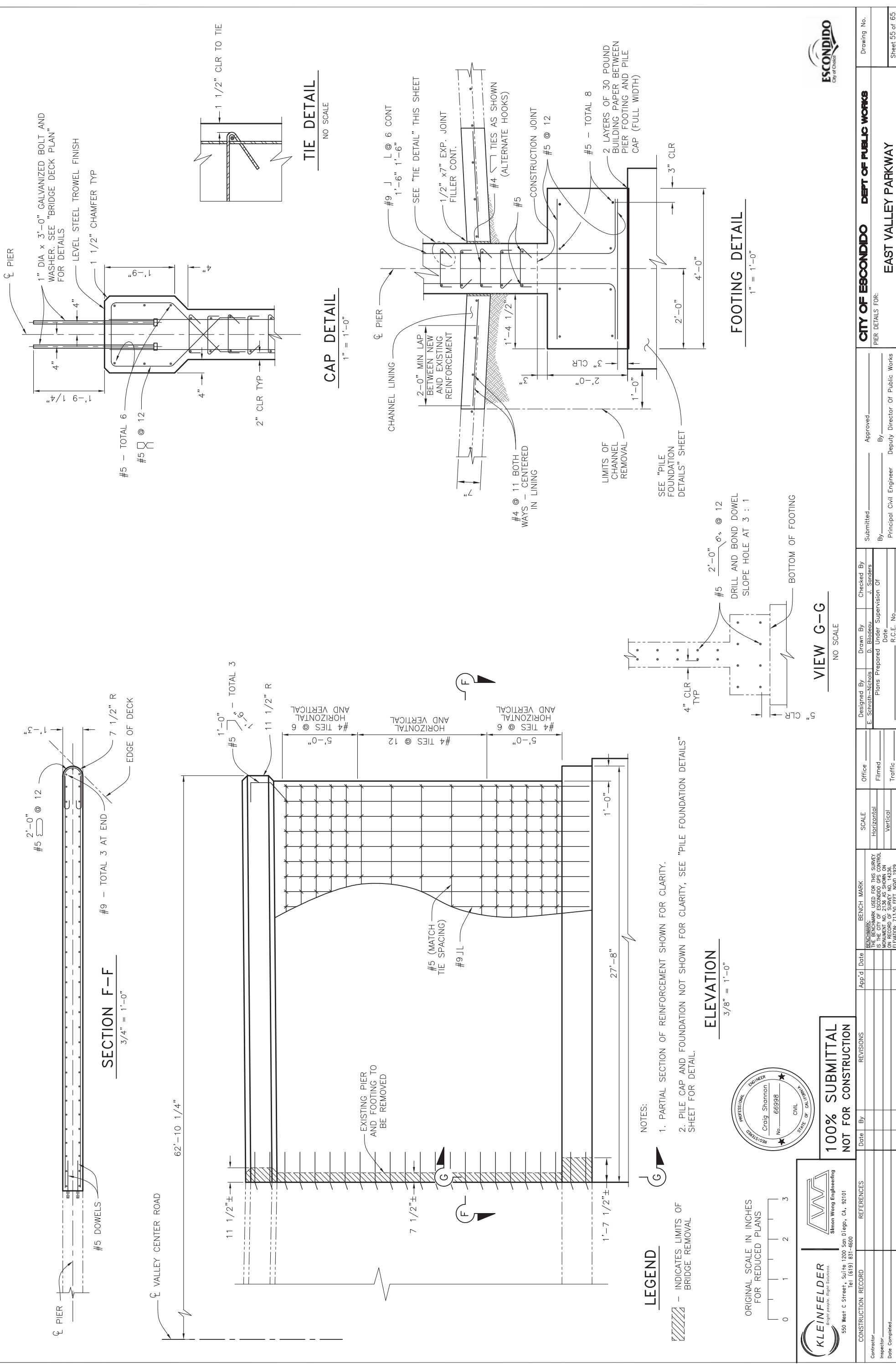


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Contractor	Simon Wong Engineering	Submitted	Approved	CITY OF ESCONDIDO DEPT OF PUBLIC WORKS	Drawing No.
Inspector		By	By		
Date Completed		Principal Civil Engineer	Deputy Director Of Public Works	ABUTMENT DETAILS FOR:	Sheet 54 of 65
CONSTRUCTION RECORD	REFERENCES	Date	By		
		App'd	Date	BENCH MARK	
				THE BENCHMARK USED FOR THIS SURVEY IS MONUMENT NO. 2136 AS SHOWN ON RECORD OF SURVEY NO. 14236. ELEVATION: 715.50 FEET, NAD 1983	
				Office	
				Designed By	
				Plans Prepared	
				Under Supervision Of	
				Date	
				R.C.E. No.	





**SECTION F-F**  
3/4" = 1'-0"

**CAP DETAIL**  
1" = 1'-0"

**TIE DETAIL**  
NO SCALE

**FOOTING DETAIL**  
1" = 1'-0"

**VIEW G-G**  
NO SCALE

**LEGEND**

▨ - INDICATES LIMITS OF BRIDGE REMOVAL

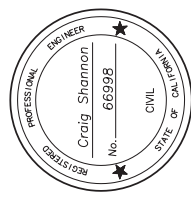
- NOTES:**
- PARTIAL SECTION OF REINFORCEMENT SHOWN FOR CLARITY.
  - PILE CAP AND FOUNDATION NOT SHOWN FOR CLARITY, SEE "PILE FOUNDATION DETAILS" SHEET FOR DETAIL.

**ELEVATION**  
3/8" = 1'-0"



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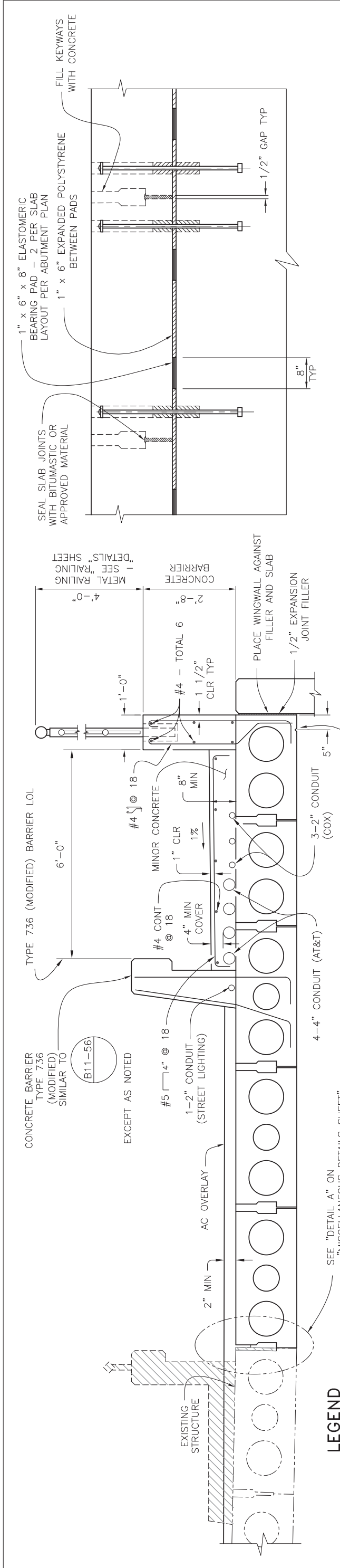


<p>Contractor: _____ Inspector: _____ Date Completed: _____</p>		<p>CONSTRUCTION RECORD</p>		<p>REFERENCES</p>		<p>DESIGNED BY: E. Schroth-Nichols DRAWN BY: D. Blidreau CHECKED BY: J. Sanders</p>		<p>DATE: _____ R.C.E. No. _____</p>		<p>APPROVED: _____ By: _____ Deputy Director of Public Works</p>		<p>CITY OF ESCONDIDO DEPT OF PUBLIC WORKS</p>		<p>Drawing No. _____ Sheet 55 of 65</p>	
<p>PIER DETAILS FOR: EAST VALLEY PARKWAY</p>															









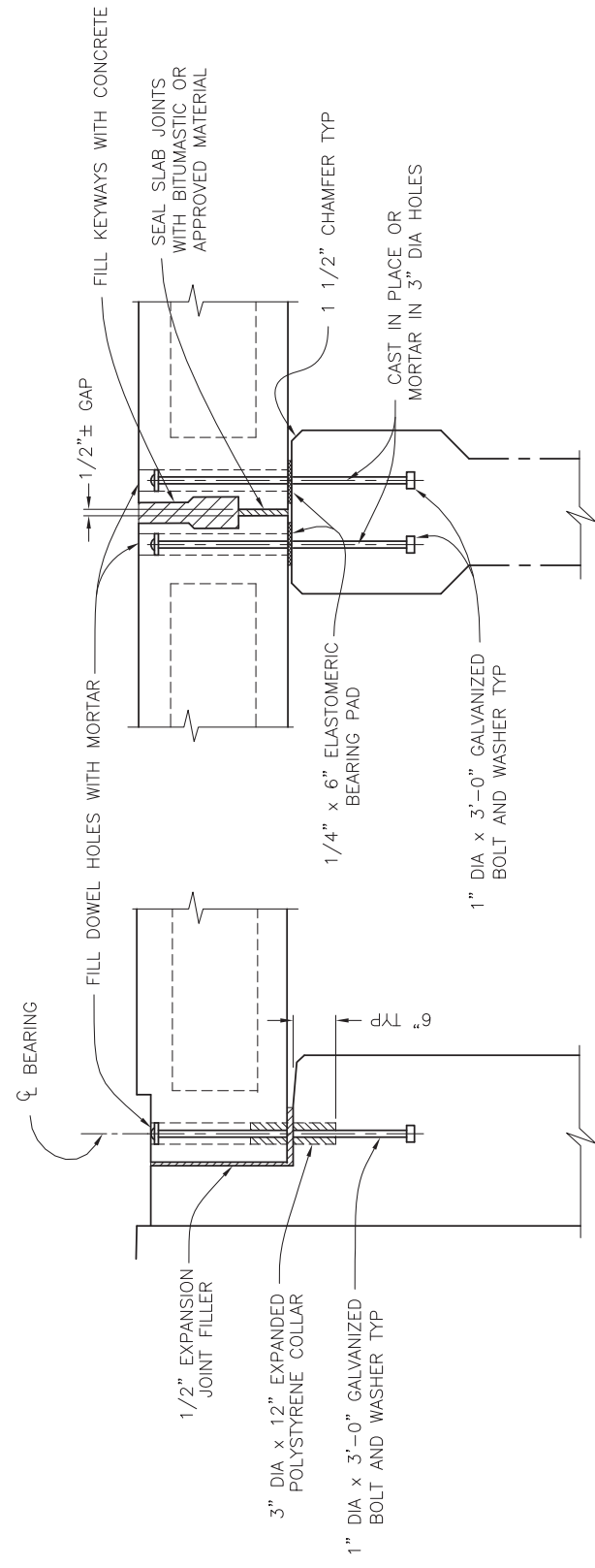
**LEGEND**

- INDICATES LIMITS OF BRIDGE REMOVAL

**NOTES:**

1. BARRIER REINFORCEMENT SHALL BE PLACED PRIOR TO CASTING PRECAST CONCRETE SLABS.
2. SEE "RAILING DETAILS" SHEET FOR ADDITIONAL RAILING DETAILS.
3. ALL EXPOSED SURFACES OF CONCRETE BARRIER AND CONCRETE BARRIER TYPE 736 (MODIFIED) TO BE PROTECTED WITH ANTI-GRAFFITI COATING.

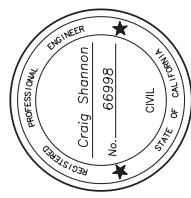
**TYPICAL SECTION**  
3/4" = 1'-0"



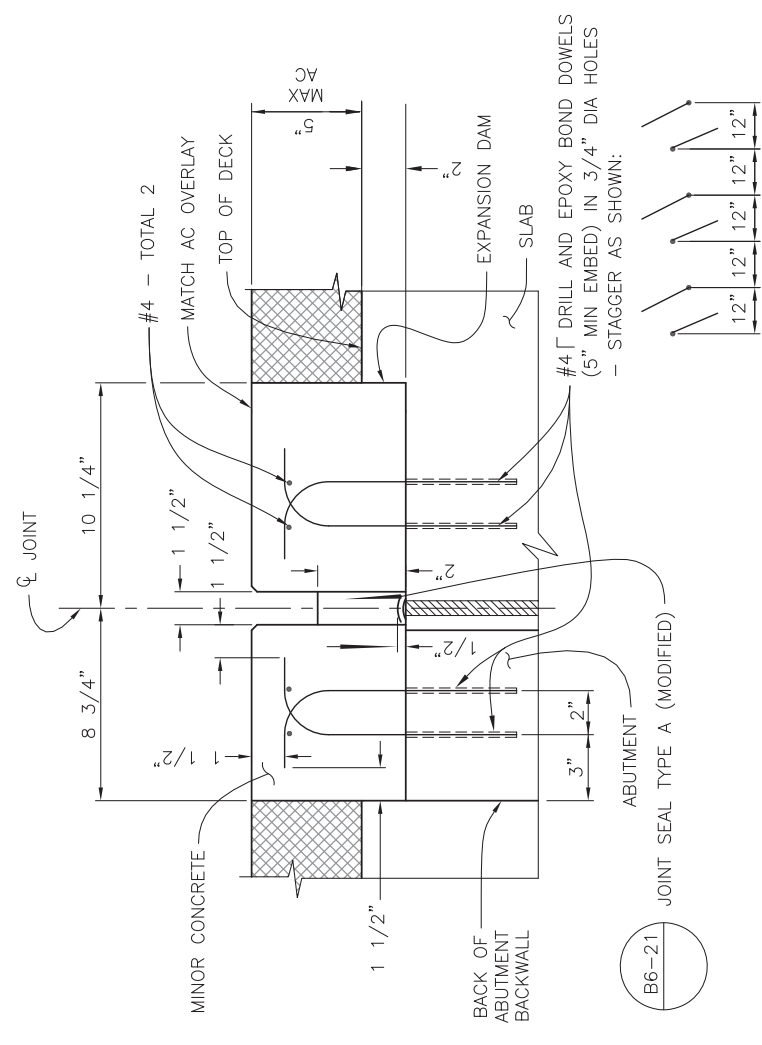
**AT ABUTMENTS**

**AT INTERMEDIATE SUPPORTS**

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS



**SUPPORT DETAILS**  
1" = 1'-0"



**NOTES:**

1. DELETE DAM UNDER SIDEWALK AND BARRIERS AND CONSTRUCT END OF SLAB, ABUTMENT STEM AND EXPANSION JOINTS TO TOP OF DECK.
2. DAM TO BE CONSTRUCTED AFTER A.C. HAS BEEN PLACED ACROSS BLOCKED OUT AREA.

**CONCRETE EXPANSION DAM**  
3" = 1'-0"

**ABUTMENT BEARING PAD DETAIL**  
1" = 1'-0"

NOTE: DIMENSIONS SHOWN ALONG  $\phi$  ABUTMENT.

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CONSTRUCTION RECORD	REFERENCES
Contractor: _____	
Inspector: _____	
Date Completed: _____	

REVISIONS	Date	By

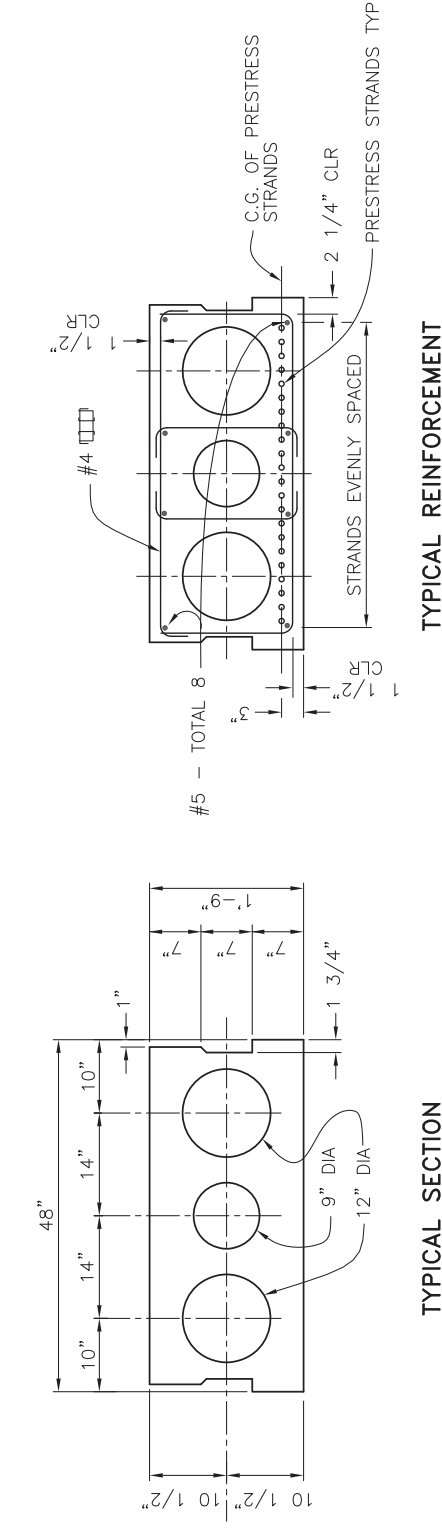
SCALE	Office	Designed By	Drawn By	Checked By
Horizontal	Filmed	E. Schroth-Nichols	D. Blodau	J. Sanders
Vertical	Traffic	Plans Prepared	Under Supervision Of	
		Date		

Submitted	Approved
By: _____	By: _____
Principal Civil Engineer	Deputy Director Of Public Works

**CITY OF ESCONDIDO**  
BRIDGE DECK PLAN FOR:  
EAST VALLEY PARKWAY

**DEPT OF PUBLIC WORKS**  
Drawing No. \_\_\_\_\_  
Sheet 57 of 65



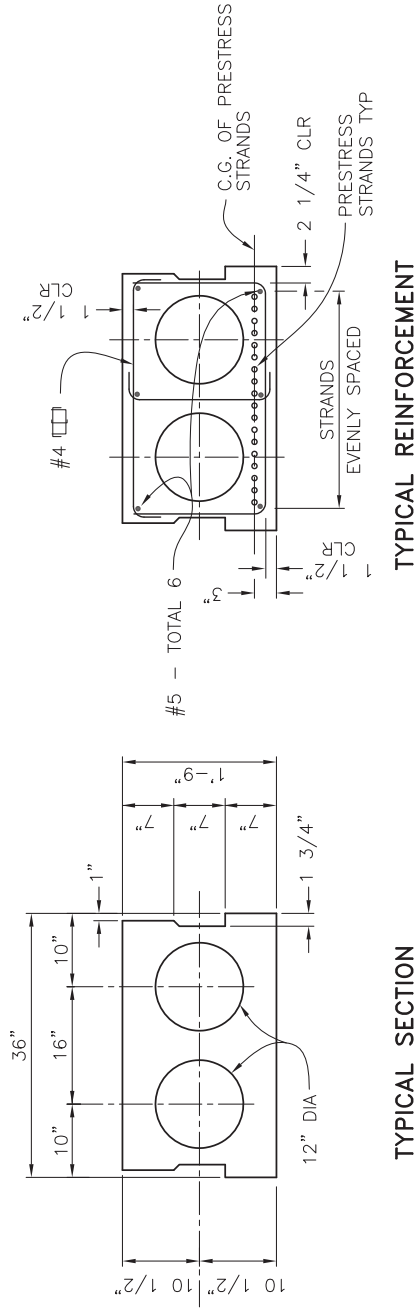


TYPICAL SECTION

TYPICAL REINFORCEMENT

PRECAST SECTION TYPE S IV-48

1" = 1'-0"



TYPICAL SECTION

TYPICAL REINFORCEMENT

PRECAST SECTION TYPE S IV-36

1" = 1'-0"

GENERAL NOTES:

1. THE JACKING FORCE (P) IS THE JACKING FORCE REQUIRED AT THE POINT OF CONTROL ALONG THE SPAN. THE JACKING FORCE DOES NOT INCLUDE ANY FABRICATION SPECIFIC LOSSES.
2. THE MAXIMUM TENSILE STRESS IN THE PRESTRESSING STEEL UPON RELEASE SHALL NOT EXCEED 75% OF THE SPECIFIED MINIMUM ULTIMATE TENSILE STRENGTH OF THE PRESTRESSING STEEL.
3. THE MAXIMUM TEMPORARY TENSILE STRESS (JACKING STRESS) IN THE PRESTRESSING STEEL SHALL NOT EXCEED 80% OF THE SPECIFIED MINIMUM ULTIMATE TENSILE STRENGTH OF THE PRESTRESSING STEEL.
4. CONCRETE STRENGTH:  
f'ci IS AT THE TIME OF INITIAL STRESSING  
f'c IS AT 28 DAYS
5. KEYWAYS TO BE FILLED WITH GROUT.
6. SEE "RAILING DETAILS" SHEET FOR RAILING REQUIREMENTS.
7. SLABS DESIGNED TO CARRY A MAXIMUM OF 6 INCHES OF AC OVERLAY.

SLAB TYPE	JACKING FORCE (P) IN Kips	CONCRETE STRENGTH (ksi)	
		f'ci	f'c
S IV-48	682.4	4.0	4.0
S IV-36	556.9	4.0	4.0

NOTE: CONTRACTOR SHALL VERIFY ALL FIELD DIMENSIONS PRIOR TO FABRICATION OF PRECAST UNITS.



ORIGINAL SCALE IN INCHES FOR REDUCED PLANS



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CONSTRUCTION RECORD

REFERENCES

Date By REVISIONS

BENCH MARK  
THE BENCHMARK USED FOR THIS SURVEY IS MONUMENT NO. 2136 AS SHOWN ON RECORD OF SURVEY NO. 14236. ELEVATION: 715.50 FEET, NOD 1979

SCALE

Horizontal Vertical

Office

Filled Traffic

Designed By  
E. Schroth-Nichols

Plans Prepared Under Supervision Of  
Date

Drawn By  
J. Sanders

Checked By  
Date

Submitted By  
Principal Civil Engineer

Approved By  
Deputy Director Of Public Works

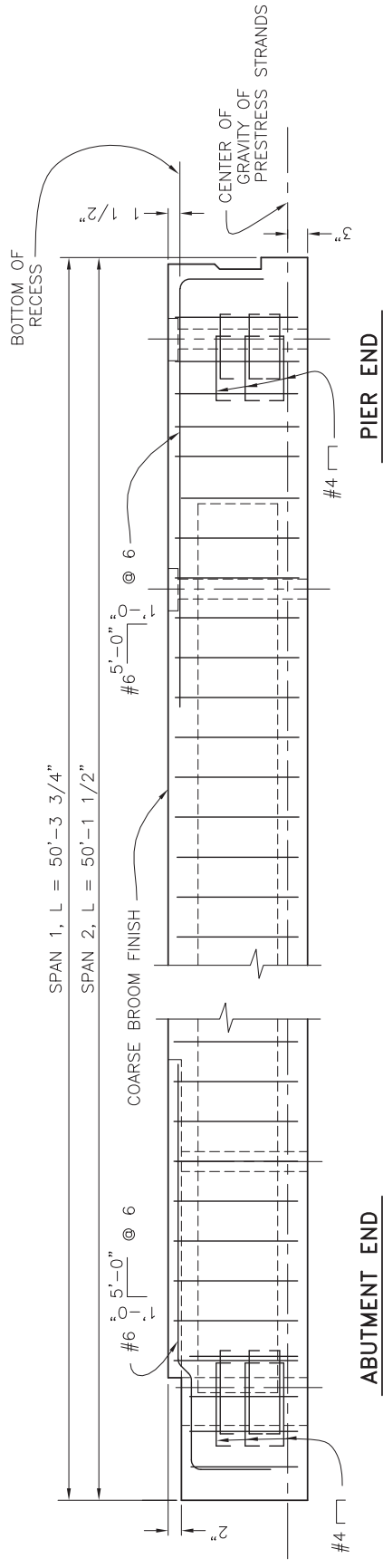
CITY OF ESCONDIDO DEPT OF PUBLIC WORKS  
PRECAST CONCRETE SLAB DETAILS NO.1 FOR:

EAST VALLEY PARKWAY



Drawing No.

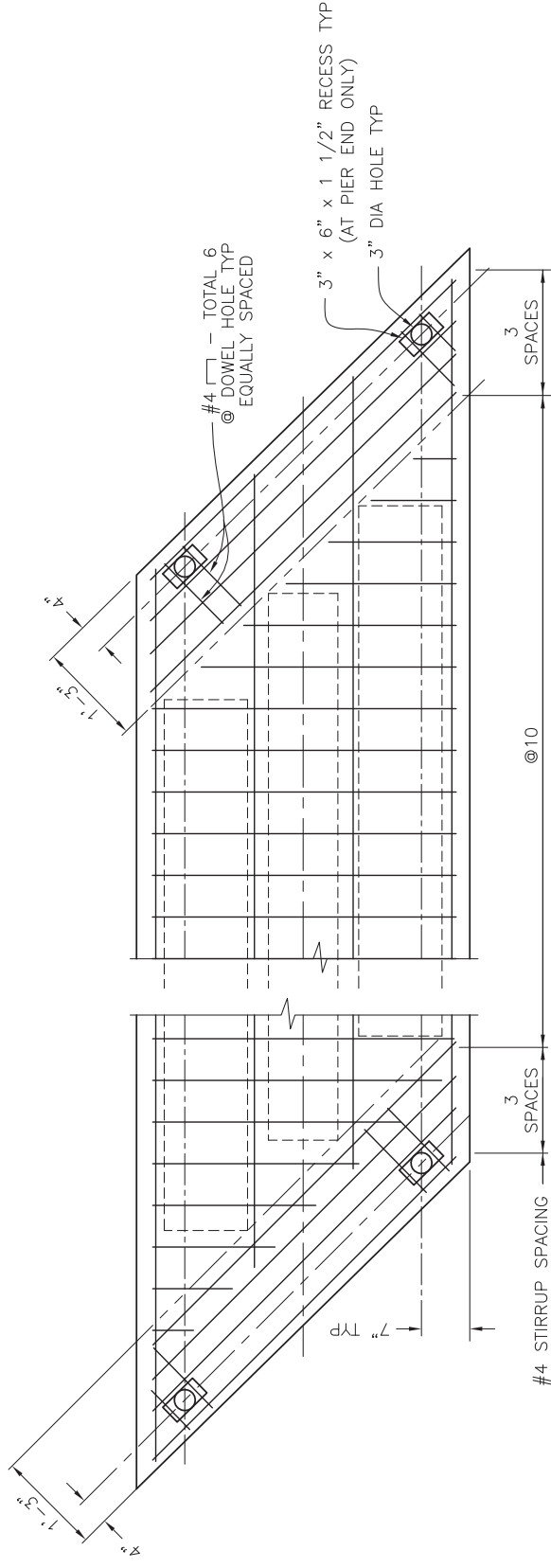
Sheet 56 of 65



NOTE: TYPE S IV-48 SHOWN, TYPE S IV-36 SIMILAR.

**PRECAST ELEVATION**

1" = 1'-0"



NOTE: TYPE S IV-48 SHOWN, TYPE S IV-36 SIMILAR.

**PRECAST PLAN**

1" = 1'-0"

ORIGINAL SCALE IN INCHES  
FOR REDUCED PLANS

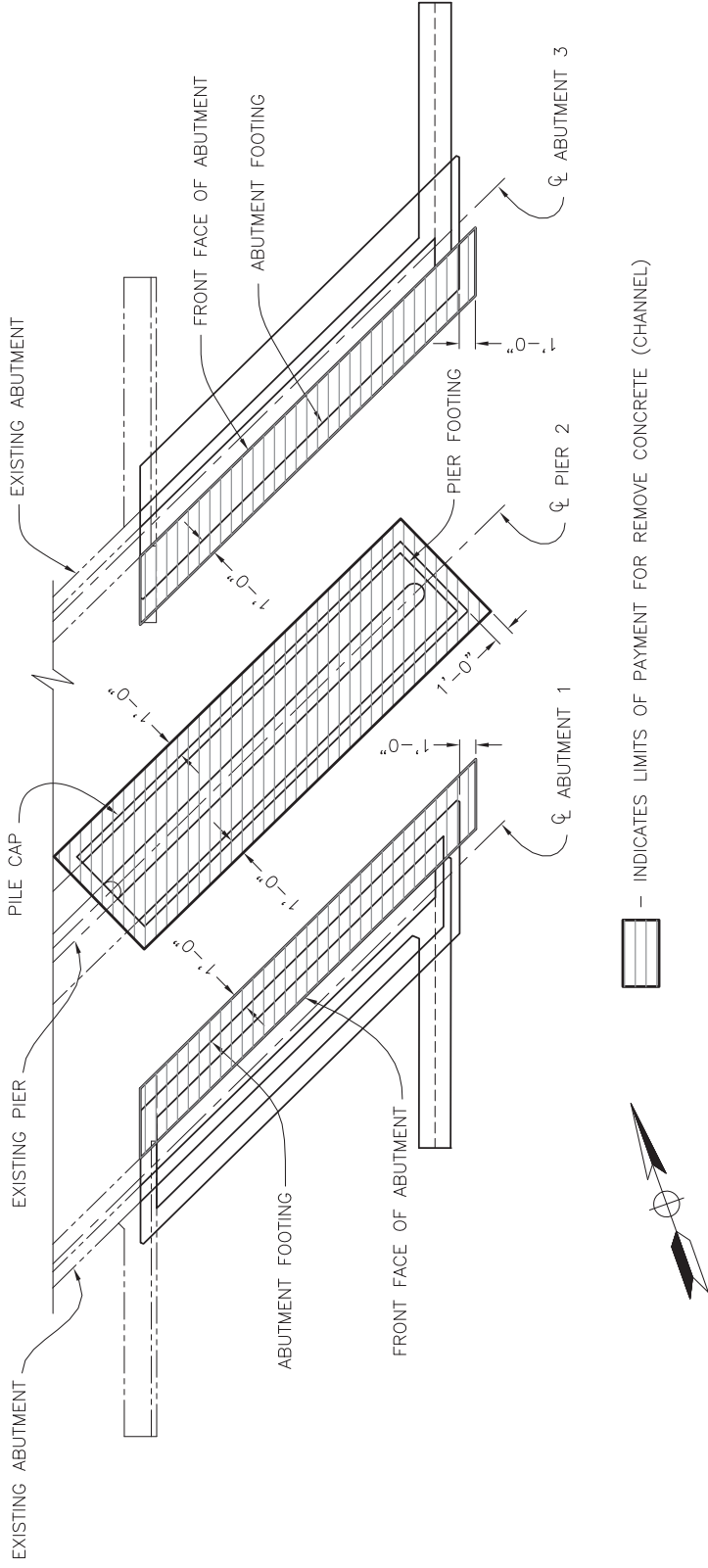


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Contractor	INSPECTOR	DATE COMPLETED	CONSTRUCTION RECORD	REFERENCES	REVISIONS	Date	By	App'd	Date	BENCH MARK	SCALE	Office	Designed By	Drawn By	Checked By	Submitted	Approved	By	Principal Civil Engineer	Deputy Director Of Public Works	CITY OF ESCONDIDO	DEPT OF PUBLIC WORKS	Drawing No.	
										THE BENCHMARK USED FOR THIS SURVEY IS MONUMENT NO. 2136 AS SHOWN ON RECORD OF SURVEY NO. 14236. ELEVATION: 715.50 FEET, NAD 1929	Horizontal Vertical	Filmed Traffic	E. Schroth-Nichols	D. Blidreau	J. Sanders									

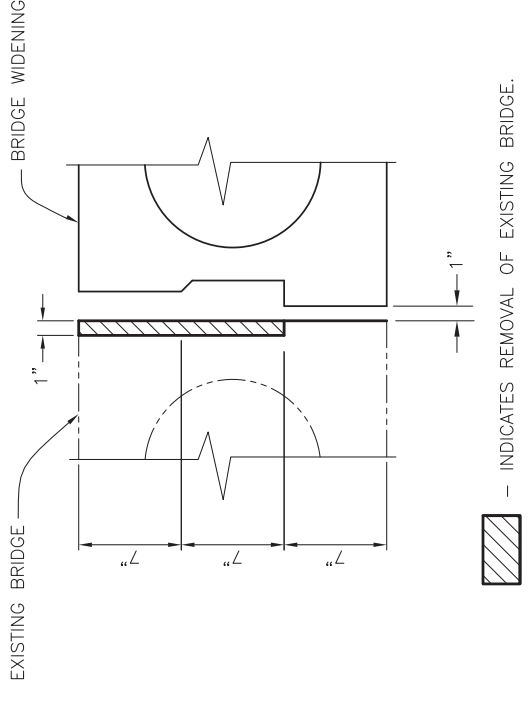




**LIMITS OF CHANNEL LINING REMOVAL**

3/16" = 1'-0"

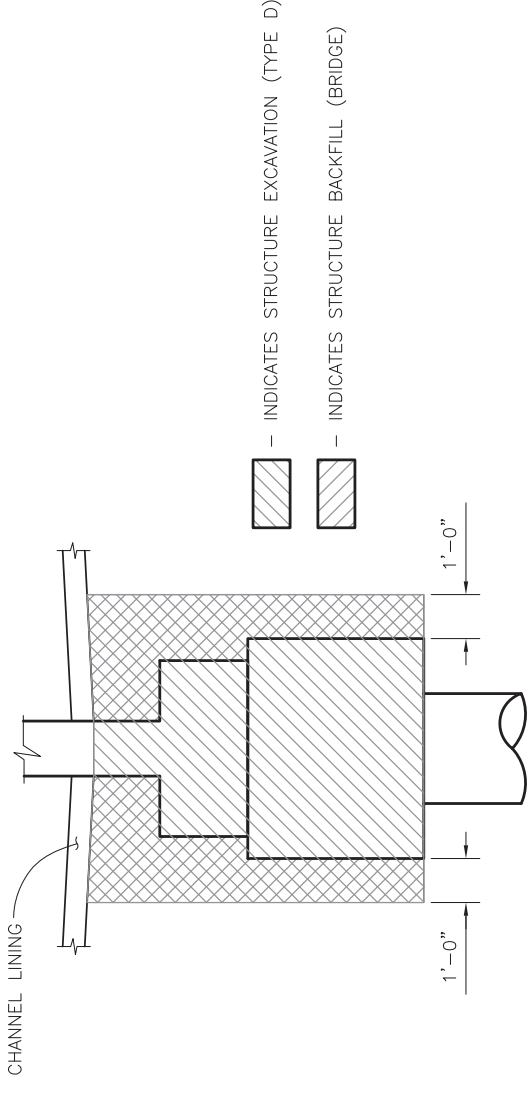
--- INDICATES LIMITS OF PAYMENT FOR REMOVE CONCRETE (CHANNEL)



**DETAIL A**

2" = 1'-0"

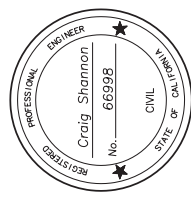
NOTE: DO NOT DAMAGE EXISTING REINFORCEMENT DURING CONCRETE REMOVAL.



**TYPICAL SECTION AT PIER**

NO SCALE

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

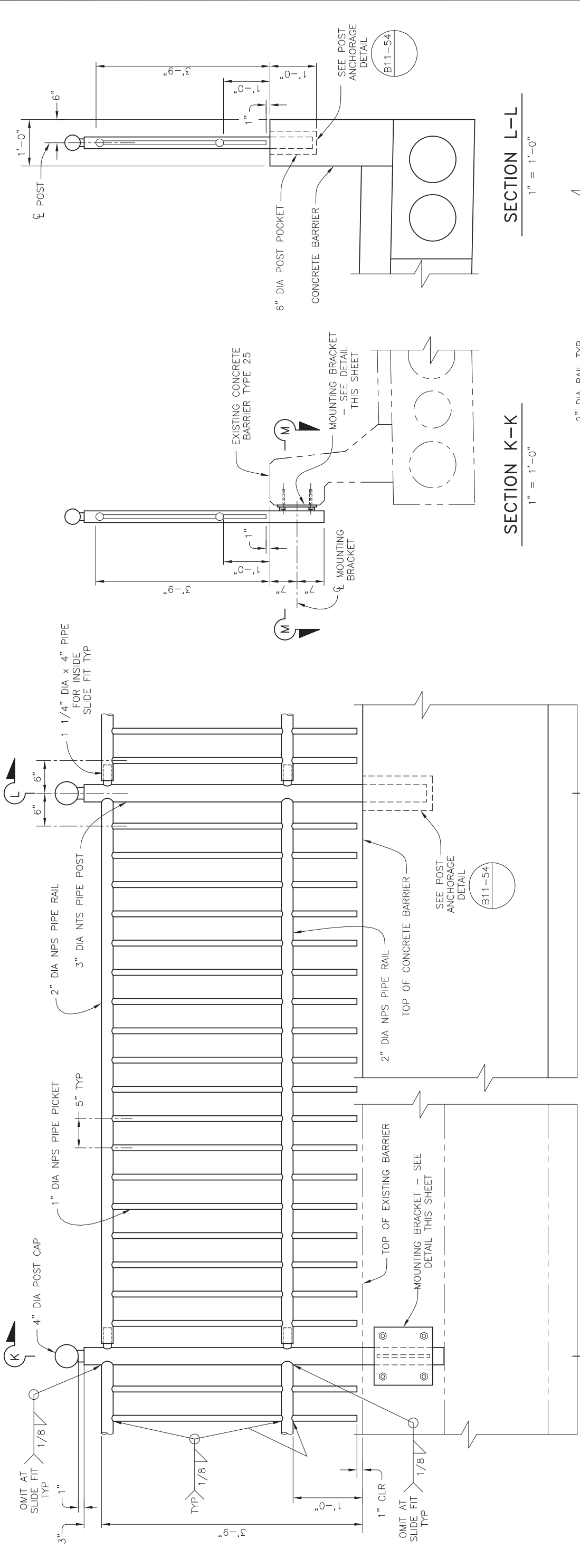


**100% SUBMITTAL NOT FOR CONSTRUCTION**

**KLEINFELDER**  
Bright people. Right solutions.  
Simon Wong Engineering  
550 West C Street, Suite 1200 San Diego, CA, 92101  
Tel (619) 831-4600

Contractor	INSPECTOR	DATE COMPLETED	CONSTRUCTION RECORD	REFERENCES	DATE	BY	REVISIONS	APPROVAL	DATE	BENCH MARK	SCALE	OFFICE	DESIGNED BY	DRAWN BY	CHECKED BY	SUBMITTED	APPROVED	MISCELLANEOUS DETAILS FOR:	DRAWING NO.	
										THE BENCHMARK USED FOR THIS SURVEY IS MONUMENT NO. 2136 AS SHOWN ON RECORD OF SURVEY NO. 14236. ELEVATION: 715.50 FEET, NAD 1929	Horizontal Vertical	Filled Traffic	E. Schroth-Nichols	D. Blidau	J. Sanders				CITY OF ESCONDIDO	
													Plans Prepared	Under Supervision Of	Date	By	Deputy Director Of Public Works	EAST VALLEY PARKWAY	Sheet 60 of 65	





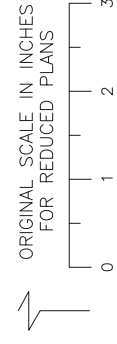
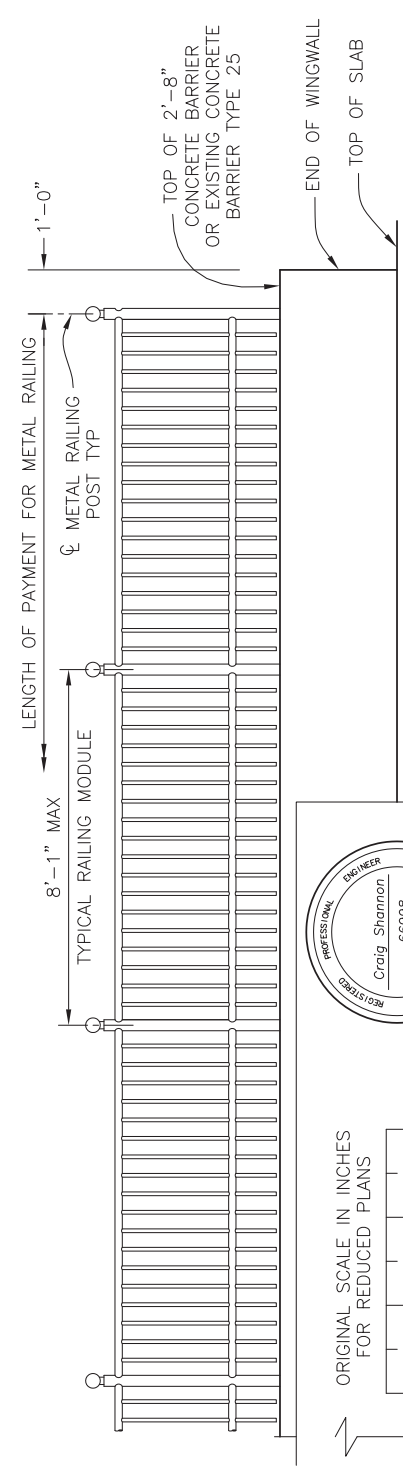
**SECTION K-K**  
1" = 1'-0"

**SECTION L-L**  
1" = 1'-0"

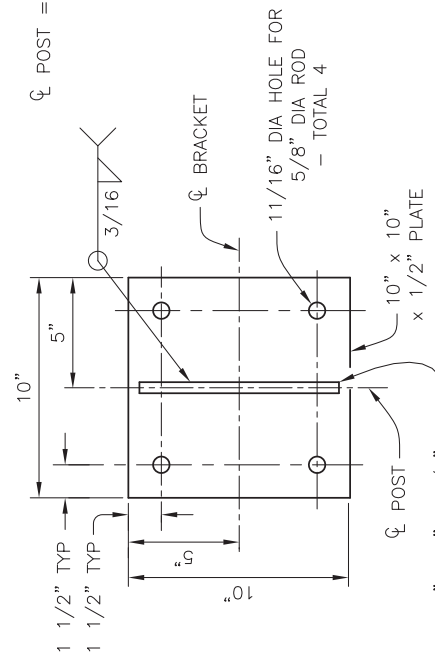
**AT EXISTING CONCRETE BARRIER TYPE 25**  
**AT 2'-8" CONCRETE BARRIER**

NOTE: HORIZONTAL RAILING SHALL CONFORM TO HORIZONTAL AND VERTICAL ALIGNMENTS.

**TYPICAL BAY ELEVATION**  
1 1/2" = 1'-0"



**MOUNTING BRACKET**  
3" = 1'-0"



NOTES:

1. ALL OPEN PIPES SHALL BE CAPPED.
2. ALL POSTS, PICKETS, AND RAILS SHALL BE STANDARD PIPE.
3. ALL METAL FENCE COMPONENTS SHALL BE HOT DIPPED GALVANIZED.
4. ALL POSTS, PICKETS, AND RAILS SHALL BE PAINTED.

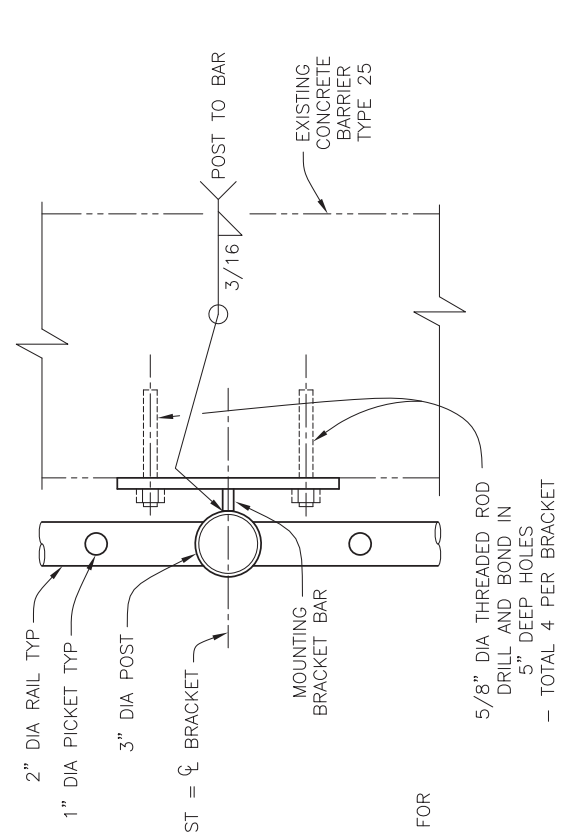


**100% SUBMITTAL NOT FOR CONSTRUCTION**

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Tel (619) 831-4600

**PART ELEVATION**  
1/2" = 1'-0"

**SECTION M-M**  
3" = 1'-0"



<b>CITY OF ESCONDIDO</b> DEPT OF PUBLIC WORKS EAST VALLEY PARKWAY RAILING DETAILS FOR:		Approved: _____ By: _____ Deputy Director of Public Works	Drawing No. _____ Sheet 61 of 65
Submitted: _____ By: _____ Principal Civil Engineer	Checked By: _____ J. Sanders	R.C.E. No. _____	Date: _____
Designed By: _____ E. Schroth-Nichols	Drawn By: _____ D. Blodau	Office: _____ Horizontal Vertical	SCALE: _____ Horizontal Vertical
Plans Prepared Under Supervision Of: _____ Date: _____	BENCHMARK: _____ THE BENCHMARK USED FOR THIS SURVEY IS MONUMENT NO. 2136 AS SHOWN ON RECORD OF SURVEY NO. 14236. ELEVATION: 715.50 FEET, NOD 1979	App'd: _____ Date: _____	REVISIONS: _____
CONTRACTOR RECORD: _____ Contractor: _____ Inspector: _____ Date Completed: _____	REFERENCES: _____	Date: _____ By: _____	Date: _____ By: _____

## **ATTACHMENT 4**

### **CEQA MITIGATION REQUIREMENTS**

1. Mitigation Monitoring and Reporting Program for the Bear Valley/East Valley Parkways Project, MMRP Table

BEAR VALLEY/EAST VALLEY PARKWAYS WIDENING PROJECT  
MITIGATION MONITORING AND REPORTING PROGRAM AND  
MITIGATION MONITORING AND REPORTING RECORD  
EIR/EA NO.: ER 99-33                      SCH # 2001091025

1.0 INTRODUCTION

Mitigation Monitoring and Reporting Programs (MMRPs) are required by the California Environmental Quality Act (CEQA) Public Resources Code Section 21081.6 to be incorporated into the Final Environmental Impact Report (EIR) for projects having the potential to cause significant environmental impacts. MMRPs must be adopted upon certification of an environmental document to ensure that the mitigation measures identified within it are implemented.

Because the Bear Valley/East Valley Parkways project would be implemented in part with federal funds, the environmental documentation also ensures compliance with the National Environmental Policy Act (NEPA). The California Department of Transportation (Department) and Federal Highway Administration (FHWA), however, also developed standards for a Mitigation Monitoring and Reporting Record (MMRR). This document incorporates project monitoring measures as well as project design elements/conformance with specific regulatory permits.

The City of Escondido (City) and the FHWA have prepared this joint MMRP/MMRR for the proposed local jurisdiction preferred alignment (proposed project). The City and the Department will use this MMRP/MMRR, which incorporates all mitigation measures identified in the Bear Valley/East Valley Parkways Widening Project Final Environmental Impact Report, to track mitigation compliance. (Department staff will review measures and compliance with them during coordination regarding project specifications and estimates (PS&E) and project sign off following construction, respectively.)

As noted above, this MMRP/MMRR is designed to ensure compliance with Section 21081.6 and Department Standards during implementation of mitigation measures. The program identifies: the entity responsible for the monitoring, what is to be monitored, how the monitoring shall be accomplished, and the monitoring and reporting schedule. A record of the MMRP/MMRR for the Bear Valley/East Valley Parkways Widening Project will be maintained at the offices of the City of Escondido, Planning Division, 201 North Broadway, Escondido, CA 92025. A copy also will be on file at the Department at 5251 Viewridge Court in San Diego.

The proposed project is summarized below, with additional detailed information provided in Section 4.D of the EIR/EA.

2.0 PROJECT DESCRIPTION

Bear Valley Parkway

Approximately 640 meters (2,100 feet) of existing Bear Valley Parkway, extending from 91 meters (approximately 300 feet) south of Orleans Avenue to a realigned intersection with East Valley Parkway, would be widened to four-lane major road standards as part of the first phase of project activities in Years 2004 to 2005. Specifically, the roadway would be improved to include:

- 25 meters (82 feet) curb-to-curb within a 31.1-meter (102-foot) right-of-way
- two vehicle travel lanes in each direction
- one bike lane and a sidewalk in each direction
- a 4.3-meter (14-foot) wide raised and landscaped median
- traffic signals at Hayden Drive and the realigned Bear Valley/East Valley Parkway intersection
- abandonment of existing Bear Valley Parkway located northerly of Belfast Glen with retention of a utility easement
- realignment/extension of Belfast Glen to the new re-aligned Bear Valley Parkway



Approximately 5 to 16 meters (16 to 51 feet) of width for new right-of-way would be acquired on the west side of the proposed Bear Valley Parkway roadway, starting approximately 46 meters (150 feet) northerly of Orleans Avenue, where a contiguous block of 11 parcels would be affected, with eight single-family detached residences removed. Construction of the proposed Bear Valley Parkway roadway would result in full takes on eight parcels with single-family detached residences (APNs 231-110-10, 231-110-15, 231-110-16, 231-110-22, 231-110-28, 231-110-31, 231-120-03 and 231-120-10) as well as two parcels (APNs 231-120-05 and 231-120-06) that also have frontage and/or a mail address on East Valley Parkway. The frontage of two parcels (APN 231-110-23 and 231-120-02) would be partially taken (the single-family detached residences on the lots are set back far enough into the parcel to avoid being removed). From 91.4 meters (300 feet) south to 45.7 meters (150 feet) north of Orleans Avenue, widening also would occur on the east side of Bear Valley Parkway, where right-of-way has already been dedicated and no acquisition is anticipated. In addition, three properties on the east side of Bear Valley Parkway at Hayden and Encanto (APNs 231-131-03, 231-260-02 and 231-260-14) also have been identified for partial right-of-way acquisition to support curb return improvements (less than 61 meters [200 square feet]) under the proposed project. The area of abandoned Bear Valley Parkway and acquired right-of-way would be cleared of structures and old roadway pavement, vegetated with a non-invasive plant mix, and included within routine City maintenance activities. A hardscape pathway also would be provided for north-south pedestrian/non-vehicular use.

Median improvements consisting of a 4.3-meter (14-foot) wide (maximum) raised landscaped island would commence at the intersection with Citrus Avenue (including a south- to northbound U-turn) and continue to the realigned intersection of Bear Valley and East Valley Parkways. A median island opening would be provided at Hayden Drive with north and southbound turn pockets. Other adjoining streets and driveways between Citrus Avenue and the realigned intersection would be restricted to right turn ingress/egress only. Proposed project landscape plans include planting and irrigation for the full right-of-way and median island for Bear Valley Parkway from Citrus Avenue to East Valley Parkway. The City is coordinating with North County Transit regarding transit stops and would provide them as appropriate. Parking would not be permitted along the described roadways. Street lighting would meet published City standards presented in Article 35 of Ordinance 86-75, Sections 33-710 through 33-713. Proposed first phase improvements would include sidewalks and bicycle lanes in each direction along the project corridor, in accordance with Circulation Policies D4.2 and D4.3.

#### East Valley Parkway/Valley Center Road

##### First Phase/Interim Improvements

As warranted, interim improvements would be constructed as part of the first phase, Years 2004 to 2005, for East Valley Parkway/Valley Center Road, including Escondido Creek bridge. Additional interim improvements would include road construction along the south side of East Valley Parkway and a temporary raised median from approximately 358 meters (1,175 feet) southwest of Falconer Road to Falconer Road within the ultimate 38.4-meter (126-foot) right-of-way. This section of the existing street would be restriped to four lanes to be compatible with existing improvements abutting both ends of this segment. An interim sidewalk on the east side of East Valley Parkway near Falconer Road also would be provided. This sidewalk would access Orange Glen Elementary School at the southwestern property corner and would continue north along the school property frontage.

North of Falconer Road, as the four-lane roadway section and median island transition to join the existing roadway, a temporary reflector median or raised barrier (to encourage intersection rather than mid-block pedestrian crossings) would continue to the vicinity of James Street where interim median improvements would terminate. The new intersection would provide adequate turn pockets for northbound left and U-turns, as well as containing the new signal and pedestrian crossing. From approximately 137 meters (450 feet) north of Washington Avenue (where the existing roadway currently transitions from four to two lanes) to Lake Wohlford Road, East Valley Parkway would be widened from two to four lanes.

A minor easement or right-of-entry would be required from Orange Glen Elementary School to reconfigure school ingress/egress. Between Washington and Lake Wohlford, up to 20.1 meters (66 feet) of new right-of-way would be required. North of Lake Wohlford, approximately 427 meters (1,400 feet) of Valley Center Road would be

improved to four travel lanes within a 29.3-meter (96-foot) right-of-way minimum to match the County of San Diego's proposed road section.

First phase improvements assumed under the proposed project also could consist of widening the existing Escondido Creek bridge to the east to accommodate five travel lanes (two lanes in each direction and one turn lane). The 1.5-meter (five-foot) pedestrian sidewalk on the east side and drainage improvements noted above also would be provided in the first phase bridge widening.

#### Ultimate Improvements

The ultimate proposed development of East Valley Parkway (from approximately 358 meters [1,175 feet] south of Falconer Road to Lake Wohlford Road) and Valley Center Road, from Lake Wohlford Road to the north end of the project (approximately 427 meters [1,400 feet] north of Lake Wohlford Road) would be widened to prime arterial standards prior to Year 2020. Between 6.7 to 20.1 meters (22 to 66 feet) in width of new right-of-way on one/both side(s) of the roadway is proposed for acquisition in order to accommodate the ultimate six-lane roadway. Prime arterial standards call for the roadway to be widened to:

- six travel lanes within a 38.4-meter (126-foot) right-of-way, with three travel lanes in each direction
- a 4.3-meter (14-foot) wide (maximum) raised, landscaped median to be installed upon acquisition of ultimate right-of-way and final road realignment
- one bike lane in each direction
- 0.5-meter (one- and one-half foot) wide curb and gutter on each side of the roadway, with curb cuts in applicable areas to allow business/residence and handicap access

Construction of the proposed East Valley Parkway roadway is expected to result in full takes on five parcels (APNs 231-120-07, 231-120-08, 231-120-10, 231-120-11 and 231-120-12). In addition, the frontage of 26 parcels (APNs 225-141-35, 225-141-36, 225-160-33, 225-160-42, 225-160-43, 231-120-01, 231-120-04, 231-140-13, 231-140-28, 231-140-29, 240-010-26, 240-010-28, 240-010-33, 240-010-38, 240-011-01, 240-011-03, 240-011-04, 240-011-12, 240-020-09, 240-020-23, 240-020-27, 240-110-01, 240-020-22, 240-301-01, 240-301-09 and 240-301-10) would be partially taken. Two residences associated with a single agricultural property (APN 240-020-09) would be taken.

From the new intersection of Bear Valley and East Valley parkways to the north end of the project, adjoining streets and driveways generally would have right-turn ingress/egress only with the following exceptions: Orange Glen Elementary School at James Street, Washington Avenue, an intermediate street to serve future development in SPA #5 and Lake Wohlford Road. A limited number of additional left turns may be provided at selected locations (e.g., to provide access to Mayflower Dog Park). Intersection enhancements with additional right-of-way would be required to accommodate dual right and/or left-turns at Bear Valley Parkway, Washington Avenue and Lake Wohlford Road. In addition, traffic signals at the intersections of East Valley Parkway with Washington Avenue and Lake Wohlford Road would be modified to accommodate the ultimate roadway configuration.

The existing East Valley Parkway/Valley Center Road two-span bridge over Escondido Creek (located just north of Lake Wohlford Road) would be widened to seven lanes (six travel lanes and one southbound left turn lane). Approximately 12 meters (40 feet) of new permanent right-of-way is proposed for acquisition on the east side of the bridge under the proposed project. The new bridge width would accommodate the seven lanes noted above, 1.5-meter (five-foot) bike lanes in each travel direction, a 1.5-meter (five-foot) wide pedestrian sidewalk on the east side of the bridge, and necessary drainage improvements.

Bus stop and street lighting information is equivalent to that described above for Bear Valley Parkway. Bicycle lanes would be located along each of the improved road segments. Sidewalks and landscaping would be provided along the length of the roadway, except for edging properties within SPA #5, where sidewalk design and construction will be required as part of land use development. Also, no road-edge planting would occur for those portions of East Valley Parkway where ultimate widening is not completed as part of the first phase, unless erosion control is required. A native, non-irrigated hydroseed mix is proposed where necessary for erosion/slope control, particularly along Valley Center Road from Lake Wohlford Road to the project terminus and just southerly of

Hidden Trails Road. An entry monument to the City (for southbound travelers) also would be placed within the right-of-way just north of Mayflower Dog Park.

Asphalt/concrete berms or concrete curbs and gutters would be constructed along the length of the roadway improvements, and associated drainage facilities would be provided as appropriate. Utility companies would relocate existing aboveground utilities (e.g., telephone and electric lines) within the project site underground within existing and proposed City right-of-way adjacent to the modified roadway. Existing subsurface facilities (e.g., water, sewer and gas lines) generally would remain in place with some minor relocation of water facilities. No significant interruption to utilities service is anticipated from project implementation. In the Valley Center Road portion of improvements north of Lake Wohlford Road, underground phone and power conduits would be laid in conjunction with project construction activities (to the limit of proposed upgrades) in anticipation of future need.

### 3.0 MMRP/MMRR FORMAT AND IMPLEMENTATION

Mitigation measures that would reduce or eliminate potential environmental impacts of the proposed project were identified in the EIR/EA and associated Findings will become conditions of project approval if the proposed project is approved. The City of Escondido and Department staff are required to verify that all adopted mitigation measures are implemented properly. To ensure compliance, this MMRP/MMRR (including checklists) has been formulated. It shall be adopted by the City of Escondido as CEQA Lead Agency (as will CEQA Findings), and must be administered by City of Escondido personnel from the Planning and Engineering Divisions. Department environmental staff will confirm implementation of mitigation measures required for NEPA clearance under the Finding of No Significant Impact (FONSI). Specific responsibilities are delineated in the attached checklist tables. These responsibilities may be delegated to qualified City staff or consultants. No authorization to commence any activity on site shall be granted except with the concurrence of the respective City departments.

In addition to the mitigation measures listed below, five sections within the environmental analysis of the EIR/EA (Land Use, Transportation/Circulation/Parking, Geotechnical Issues, Agricultural Resources and Drainage/Hydrology/Water Quality) address project design features and/or regulatory conformance that will help the City and Department avoid or minimize potential environmental effects. These include design measures to mitigate erosion/sedimentation incorporated into permits from the Regional Water Quality Control Board (RWQCB), Army Corps of Engineers (ACOE), and the California Department of Fish and Game (CDFG). Additionally, an approved traffic control plan would be required for proposed construction activities (e.g., construction vehicle movement, and existing roadway restriction/user reroutes during construction). These project elements are also itemized in the attached MMRP/MMRR as project design measures/permits that minimize impacts.

The City of Escondido adopted this MMRP on June 11, 2003.

**N.B.—ALL MITIGATION ON EUREKA RANCH TO BE COMPLETED UNDER SEPARATE WOHLFORD CONTRACT, BUT TO STRICTLY CONFORM TO MEASURES HEREIN.**

TASK AND BRIEF DESCRIPTION/ MITIGATION MEASURES	RESPONSIBLE BRANCH/ STAFF	TIMING/ PHASE	Completion/ Compliance		COMMENTS	ADDITIONAL COMMENT SHEET PROVIDED
			Initial	Date		
Compliance Activities (cont.)						
C-4. Environmental Compliance Review	City Engineering Department, Contractor	Safety Review				
C-5. Design Features Memorandum	Contractor, City Engineering Department, Department Resident Engineer	Post construction				
Project Design Measures/Permits that Avoid/Minimize Impacts						
Water Quality Permits						
P-1. Existing regulatory permit requirements and standard industry design/construction guidelines, erosion control plans (NPDES BMPs) shall be implemented to avoid or reduce all identified hydrology and water quality effects to below a level of significance. Appropriate language shall be noted on the plans.	City Engineering Department	Implementation prior to and during construction				
P-2. U.S. Army Corps of Engineers Section 404 Nationwide Permit shall be obtained **	City Planning Division	Design/Prior to grading	BR/ ED	N/A	404 non- notifying	
P-3. RWQCB Section 401 Water Quality Certification shall be obtained **	City Planning Division	Design/Prior to grading	BR/ ED	12/04	Default cert. from Porter	
P-4. California Department of Fish and Game Section 1601 Streambed Alteration Agreement shall be obtained **	City Planning Division	Design/Prior to grading	BR/ ED	08/04	Default letter to Chadwick	
P-5. 4(d) Permit for coastal sage scrub (CSS) removal if CSS is removed prior to adoption of MHCP Subarea Plan shall be issued by the City	City Planning Division	Design/Prior to grading				
P-6. Traffic Control Plan	City Engineering Department	Design/Prior to construction				

**\*\* Permits cover north of Citrus Ave to south of Washington Ave. Washington to north boundary Eureka covered by Wohlford permits. North of Lake Wohlford permitting deferred until closer to construction—anticipated for 2007.**

TASK AND BRIEF DESCRIPTION/ MITIGATION MEASURES	RESPONSIBLE BRANCH/ STAFF	TIMING/ PHASE	Completion/ Compliance		COMMENTS	ADDITIONAL COMMENT SHEET PROVIDED
			Initial	Date		

TASK AND BRIEF DESCRIPTION/ MITIGATION MEASURES	RESPONSIBLE BRANCH/ STAFF	TIMING/ PHASE	Completion/ Compliance		COMMENTS	ADDITIONAL COMMENT SHEET PROVIDED
			Initial	Date		
Mitigation Measures (cont.)						
<b>Biological Resources</b>						
M-11. Impacts to 0.01 acre of disturbed wetlands and 0.04 acre of non-wetland Waters of the U.S. shall be mitigated at a ratio of 1:1. Mitigation will entail restoration or creation of new habitat either within the vicinity of the impact or in a Multiple Habitat Conservation Program (MHCP) Focused Planning Area. A restoration plan will be prepared for wetland impacts by a qualified restoration ecologist with applicable local experience, in accordance with resource agency permits. The plan will address the mitigation site location, plant species to be used, a construction drawing of the mitigation site, schedule for planting, description of any planned irrigation activity, success criteria and contingencies, and will identify the entities responsible for the area's maintenance.	Project Restoration Ecologist, City Planning Division	Plan to be prepared and approved prior to grading. Timing of restoration and creation implementation in accordance with agency permit				
M-12. Impacts to Diegan coastal sage scrub  a. All clearing of disturbed Diegan coastal sage scrub shall be conducted outside of the breeding season for migratory songbirds (February 15 through August 30).  b. Impacts to 0.33 acre of disturbed Diegan coastal sage scrub shall be offset by the purchase of 0.33 acre of Diegan coastal sage scrub (1:1 ratio) at the Daley Ranch Mitigation Bank. If impacts occur following adoption of the City MHCP Subarea Plan, compliance with it shall be shown (c.f. P-5, 4(d) requirement).	Project Biologist and City Planning Division	Monitoring during grading of habitat  Purchase of mitigation credits must be complete prior to grading of habitat				

TASK AND BRIEF DESCRIPTION/ MITIGATION MEASURES	RESPONSIBLE BRANCH/ STAFF	TIMING/ PHASE	Completion/ Compliance		COMMENTS	ADDITIONAL COMMENT SHEET PROVIDED
			Initial	Date		
Mitigation Measures (cont.)						
<b>Biological Resources (cont.)</b>						
M-13. Impacts to 5.2 acres of non-native grassland shall be offset by the purchase of 2.6 acres of non-native grassland (0.5:1 ratio) at the Daley Ranch Mitigation Bank.	City Planning Division	Purchase of mitigation credits must be complete prior to grading of habitat				
M-14. Impacts to Mature Trees  a. Avoidance of three protected and three mature coast live oak trees will include installing rigid, protective barriers around the driplines and biological monitoring during construction to ensure that the barriers are effective. If such avoidance is not possible, trees shall be replaced at a 2:1 ratio for impacts to protected trees and a 1:1 ratio for impacts to mature trees, in accordance with Sec. 33-1069 of the City's Municipal Code. The preferred replacement trees should be of equal size and caliper. Improvement plans must show the dripline of oak trees and indicate placement of protective barriers.  b. The loss of the oak at Ryan Park shall be mitigated through replacement with two oaks on park property. The actual number and size of other replacement trees, as well as the planting location, shall be determined by the Director of Planning and Building.	Project Biologist and City Planning Division	Protective barriers to be installed and approved prior to construction. Plans to be part of construction bid package. Monitoring to occur during construction  Planting of replacement trees to occur prior to or concurrent with construction	BR	2003/4	Tree south of Old Guejito replaced at Ryan Park.  Replacement oaks installed at Ryan Park	

TASK AND BRIEF DESCRIPTION/ MITIGATION MEASURES	RESPONSIBLE BRANCH/ STAFF	TIMING/ PHASE	Completion/ Compliance		COMMENTS	ADDITIONAL COMMENT SHEET PROVIDED
			Initial	Date		
Mitigation Measures (cont.)						
Biological Resources (cont.)						
c. Eucalyptus trees shall be removed outside of the raptor breeding season (December 1 through July 31). If construction occurs during the raptor breeding season and trees have not been removed, a pre-construction survey shall be conducted by a qualified biologist to determine if any active nests are present in the eucalyptus trees to be removed or trees adjacent to the project footprint. If an active nest is detected, construction activity shall remain a minimum of 300 feet from the nest. Once a qualified biologist determines the nest is no longer active, construction can occur in the area near the nest.		Prior to construction if work is expected to occur within 300 feet of eucalyptus trees during the period December 1 through July 31. Monitoring to occur during construction				
M-15. Potential Impacts to Least Bell's Vireo  a. Least Bell's vireo protocol surveys shall be conducted within 500 feet of the edge of construction along East Valley Parkway (Valley Center Road portion) in the spring season preceding project implementation if construction in this area occurs during the vireo breeding season (March 15 through September 15). Protocol surveys shall be conducted annually during the breeding season until completion of construction.	Project Permitted Wildlife Biologist, City Planning Division	Prior to construction if work in this area is expected to occur during the period March 15 through September 15				





TASK AND BRIEF DESCRIPTION/ MITIGATION MEASURES	RESPONSIBLE BRANCH/ STAFF	TIMING/ PHASE	Completion/ Compliance		COMMENTS	ADDITIONAL COMMENT SHEET PROVIDED
			Initial	Date		
Mitigation Measures (cont.)						
<b>Hazardous Materials</b>						
M-32a. Investigation of the subsurface at the O.G. Market site shall be subject to sampling and soil testing to confirm and characterize the presence of petroleum hydrocarbon affected soils or any other contaminants of concern. If affected soils are present, additional investigations and/or remediation efforts shall be implemented by the City. The required soils testing and recommended remediation measures shall be conducted by an appropriate certified specialist in accordance with local and state regulations. Evidence that the remediation has been completed shall be received by the City prior to commencement of project implementation.	City Engineering Department, Hazardous Materials Specialist	Following right-of-way acquisition and prior to grading				
M-32b. Investigation regarding the potential presence of hazardous materials/issues (i.e., lead paint, PCB bearing light ballasts, asbestos containing materials, etc.) and proper handling and disposal by the appropriate certified specialist in accordance with local and state regulations in structures to be modified or demolished shall be conducted prior to commencement of project implementation. Removal of municipal trash on the O.G. Market site, two residential parcels (APN 231-120-06 and 231-120-07), and the Beacon Hills Ranch Property (APN 225-141-36) shall be subject to sampling and testing to confirm the presence or lack of contamination by petroleum hydrocarbons or other contaminants of concern documented or observed within the construction zone.	City Engineering Department, Hazardous Materials Specialist	Following right-of-way acquisition and prior to grading	END/ Walt C.	2004	APN 225-141-36 sampled as part of the July and October 2004 Group Delta testing.	

TASK AND BRIEF DESCRIPTION/ MITIGATION MEASURES	RESPONSIBLE BRANCH/ STAFF	TIMING/ PHASE	Completion/ Compliance		COMMENTS	ADDITIONAL COMMENT SHEET PROVIDED
			Initial	Date		
Mitigation Measures (cont.)						
Hazardous Materials (cont.)						
M-33. Road construction in areas containing agricultural and/or industrial activities shall be assessed by a certified industrial hygienist as to the presence or lack of unhealthful quantities of pesticides, petroleum hydrocarbons, or metals. Mitigation measures from a health and safety standpoint (removal of the unhealthful quantity to the appropriate disposal facility, and/or use of proper health and safety measures [avoiding inhalation, personal hygiene, dust control, personal protective equipment, air monitoring, etc.]), if recommended, shall be incorporated into the contractor specifications prior to the commencement of any field construction related activities.	City Engineering Department, Certified Industrial Hygienist	Prior to grading	END	10/9/03	Group Delta assessment. No hazardous soils identified. Safety recommendations will be incorporated into the Project Health, Safety and Work Plan (see M-34).	
M-34. The project construction contractor shall prepare a detailed Site Health, Safety and Work Plan for all site personnel that identifies potential health and safety hazards associated with all aspects of on-site construction operations and activities associated with the contract. This plan shall be reviewed and approved by a certified industrial hygienist and the City.	City Engineering Department, Certified Industrial Hygienist	Prior to grading				
Paleontological Resources						
M-35. The project construction contractor shall retain the services of a qualified paleontologist to implement a paleontological monitoring and recovery program as a condition of the project construction contract. A qualified paleontologist is defined as an individual with an M.S. or Ph.D. degree in paleontology or geology, and who is a recognized expert in the identification of fossil materials and the application of paleontological recovery procedures and techniques.	Project Paleontologist, City Planning Division	Prior to grading				