

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

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<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: McCoy Trails Bridge Accessibility Improvements Project**  
**Certification Number R9-2017-0143**  
**WDID: 9000003220**

Reg. Meas. ID: 416666  
Place ID: 840732  
Party ID: 441394  
Person ID: 479414

**APPLICANT: United States Fish and Wildlife Service**  
**San Diego National Wildlife Refuge**  
**P.O. Box 2358**  
**Chula Vista, CA 91912**

**ACTION:**

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

**PROJECT DESCRIPTION**

An application dated October 4, 2017 was submitted by U.S. Fish and Wildlife Service (hereinafter Applicant), for Water Quality Certification pursuant to section 401 of the Clean Water Act (33 U.S.C. § 1341) for the proposed McCoy Trails Bridge Accessibility Improvements Project (Project). The Applicant has also applied for Clean Water Act section 404 Nationwide Permit No. 3 from the United States Army Corps of Engineers for the Project (USACE File No. SPL-2017-00740-RRS).

The Project consists of implementing accessibility improvements to existing pedestrian bridges and decks on the Tijuana Slough National Wildlife Refuge that is located south of Imperial Beach Boulevard and north of the Tijuana River mouth within the City of Imperial Beach, San Diego County, California at 301 Caspian Way. The Project's center readings is located at latitude 32.56982 and longitude -117.12500.

On October 26, 2017 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 conduct bridge and deck maintenance in order to better accommodate visitors with disabilities by reducing the size of gaps on the surfaces of bridges

and decks to a maximum width of 0.5 inches. The bridge and deck maintenance will occur within a larger project to create more accessibility on trail surfaces in the upland area. The work would occur on two bridges and decks over the water. Handrails may be replaced as well. Catchment tarps will be installed under the water crossing during the construction to prevent materials from entering the water.

Receiving waters potentially affected by the Project are protected in accordance with water quality standards in the *Water Quality Control Plan for the San Diego Basin (9)* (Basin Plan). and does not include physical loss of aquatic resource area or degradation of ecological conditions. No compensatory mitigation is therefore required. Based on all of these considerations, the Applicant's compliance with the terms and conditions of this Certification will ensure that the water quality standards for all waters of the United States and/or State impacted by the Project are met.

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### Attachments:

1. Definitions
2. Project Figures and Plans

The San Diego Water Board has independently reviewed the record of the Project to analyze the extent and nature of proposed Project impacts to the water quality and beneficial uses of waters of the United States and/or State and associated compensatory mitigation required to offset impacts attributed to the Project. In accordance with this Certification, the Applicant may proceed with the Project under the following terms and conditions:

## 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. R9-2017-0143 (Certification) shall expire upon a) the expiration or retraction of the Clean Water Act section 404 (33 U.S.C. §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 U.S.C §1313.). The Basin Plan is accessible on-line 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 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 or Compensatory Mitigation site(s) 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 the tidal channels in the Oneonta Slough within the Tijuana Estuary or their tributaries;
  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 AND POST CONSTRUCTION BEST MANAGEMENT PRACTICES

- A. **Construction Requirements.** 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 pollution control plan, construction BMP plan, and/or erosion and sediment control plan to prevent the discharge of sediment and other pollutants during construction activities.
- B. **Post Construction Requirements.** The Project must meet all the Post-Construction requirements of the San Diego Water Board Order No. R9-2013-0001, National Pollutant Discharge Elimination Systems Permit and Waste Discharge Requirements for Discharges from the Municipal Separate Storm Sewer Systems (MS4) Draining the Watersheds within the San Diego Region (Regional MS4 Permit).

### IV. MONITORING AND REPORTING REQUIREMENTS

- A. **Annual Project Progress Reports.** The Applicant must submit annual Project progress reports describing 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. Annual Project Progress Reports must be submitted even if Project construction has not begun. The report must include the following information:
1. The names, qualifications, and affiliations of the persons contributing to the report;
  2. The status, progress, and anticipated schedule for completion of Project construction activities;

3. A description of Project construction delays encountered or anticipated that may affect the schedule for construction completion; and
4. 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.

**B. 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. As-built drawings of the Project, no bigger than 11"X17"; and
4. 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.

**I. 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.

**J. 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. R9-2017-0143:840732:ngergans  
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. R9-2017-0143:840732:ngergans .

**K. 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.

**L. 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."*

## **V. 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. Anticipated Noncompliance.** The Applicant shall give advance notice to the San Diego Water Board of any planned changes in the Project or the Compensatory Mitigation project which may result in noncompliance with Certification conditions or requirements.
- C. 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.**
  - 2. Transfer of Mitigation Responsibility:** Any notification of transfer of responsibilities to satisfy the mitigation requirements set forth in this Certification must include a signed statement from an authorized representative of the new party (transferee) demonstrating acceptance and understanding of the responsibility to comply with and fully satisfy the mitigation conditions and agreement that failure to comply with the mitigation conditions and associated requirements may subject the transferee to enforcement by the San Diego Water Board under Water Code section 13385, subdivision (a). Notification of transfer of responsibilities meeting the above conditions must be provided to the San Diego Water Board **within 10 days of the transfer date.**
  - 3. Transfer of Post-Construction BMP Maintenance Responsibility:** The Applicant assumes responsibility for the inspection and maintenance of all post-construction structural BMPs until such responsibility is legally transferred to another entity. At the time maintenance responsibility for post-construction BMPs is legally transferred the Applicant must submit to the San Diego Water Board a copy of such documentation and must provide the transferee with a copy of a long-term BMP maintenance plan that complies with manufacturer specifications. The Applicant must provide such notification to the San Diego Water Board within **10 days** of the

transfer of BMP maintenance responsibility.

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 this Certification in the event that a transferee fails to comply.

D. **Discharge Commencement.** The Applicant must notify the San Diego Water Board in writing **at least 5 days prior to** the start of Project construction.

## VI. CALIFORNIA ENVIRONMENTAL QUALITY ACT COMPLIANCE

A. The California Department of Parks and Recreation 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 Exemption (State Clearing House Number 2017088169). The Lead Agency has determined the Project is categorically exempt because it is for the modifications of existing facilities for handicap access.

B. As a Responsible Agency under CEQA, the San Diego Water Board will file a Notice of Exemption-

## VII. SAN DIEGO WATER BOARD CONTACT PERSON

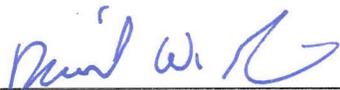
Nicole Gergans, Environmental Scientist  
California Regional Water Quality Control Board, San Diego Region  
2375 Northside Drive, Suite 100  
San Diego, California 92108  
Telephone: 619-521-3969  
Email: [nicole.gergans@waterboards.ca.gov](mailto:nicole.gergans@waterboards.ca.gov)

## VIII. WATER QUALITY CERTIFICATION

I hereby certify that the proposed discharge from the **McCoy Trails Bridge Accessibility Improvements Project** (Certification No. R9-2017-0143) 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. R9-2017-0143 issued on November 17, 2017.



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DAVID W. GIBSON  
Executive Officer  
San Diego Water Board

17 November 2017  
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.

**ATTACHMENT 2  
PROJECT FIGURES AND PLANS**

- 1) Cover Sheet G-1**
- 2) Site Reference L-1**
- 3) North McCoy Trail L-2**
- 4) South McCoy Trail L-3**
- 5) Details D-1**
- 6) Details D-2**
- 7) Details D-3**
- 8) Details D-5**
- 9) Figure 1 – Location of Bridges Requiring Maintenance along the North McCoy Trail**

# CALIFORNIA DEPARTMENT OF PARKS AND RECREATION ACQUISITION AND DEVELOPMENT DIVISION TIJUANA ESTUARY/ BORDER FIELD STATE PARK MCCOY TRAIL ACCESSIBILITY IMPROVEMENTS



ACQUISITION & DEVELOPMENT DIVISION  
One Capitol Mall  
Sacramento, CA  
95814-3225



THIS PROJECT WILL UPGRADE THE EXISTING NORTH AND SOUTH MCCOY TRAILS TO DEPARTMENTAL ACCESSIBILITY STANDARDS. SPECIFIC UPGRADES INCLUDE:

- CONSTRUCT CONCRETE ACCESSIBLE PARKING STALL AT IRIS AVE PARKING LOT TO REPLACE EXISTING ASPHALT PAVING, SIGN AND STRIPE
- IMPROVE EXISTING TRAIL SURFACES AND CORRECT CROSS SLOPES WHERE NECESSARY (SEE PLANS)
- REPAIR BRIDGE AND PUNCHEON DECKING (REPLACE 4 PUNCHEONS)
- UPGRADE 4 OVERLOOKS AND INSTALL BENCH SEATING
- INSTALL NEW DIRECTIONAL AND TRAILHEAD SIGNAGE

### PROJECT SCOPE

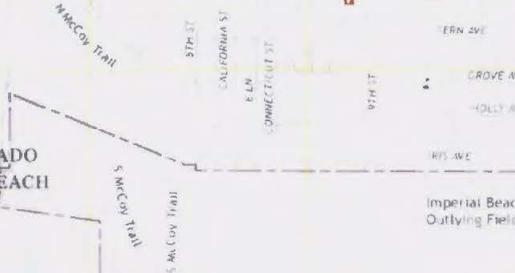
BUILDING CONSTRUCTION TYPE	NA	FIRE ALARM	NA
OCCUPANCY CLASSIFICATION	NA	OTHER FIRE DETECTION SYSTEMS	NA
NUMBER OF STORIES	NA	SMOKE CONTROL SYSTEM	NA
ACTUAL BUILDING HEIGHT	NA	FIRE HAZARD SEVERITY ZONE	NA
BUILDING AREA IN SF	NA	LANDUSE ZONING	PARK
FIRE SPRINKLED	NA		

### CODE REVIEW

### IMPERIAL BEACH



### NB CORONADO IMPERIAL BEACH



### PROJECT LOCATION

TIJUANA ESTUARY/BORDER FIELD STATE PARK

### NB CORONADO IMPERIAL BEACH

Equestrian Trail

**PROJECT ADDRESS:**  
301 CASPIAN WAY  
IMPERIAL BEACH, CA 91932  
SAN DIEGO COUNTY

SHEET	SHEET NO
COVER SHEET	G-1
SITE REFERENCE SHEET	L-1
LAYOUT PLAN	L-2
LAYOUT PLAN	L-3
DETAIL SHEET	D-1
DETAIL SHEET	D-2
DETAIL SHEET	D-3
DETAIL SHEET	D-4
DETAIL SHEET	D-5

### DRAWING SHEET INDEX

### ENVIRONMENTAL NOTES

1. TO AVOID DISTURBANCE TO NESTING BIRDS, NO TRAIL WORK OR BRIDGE PUNCHEON STRUCTURAL MAINTENANCE SHALL BE PERMITTED BETWEEN FEBRUARY 15 AND AUGUST 15 UNLESS APPROVED BY THE REFUGEE MANAGER.
2. TO AVOID IMPACTS TO WETLANDS, APPROVAL FROM THE REFUGEE MANAGER SHALL BE OBTAINED FOR THE LOCATION OF ALL NEW BENCHES ALONG THE SOUTH MCCOY TRAIL AND THE RELOCATION/SITES OF THE TWO INTERPRETIVE PANELS ALONG THE NORTH MCCOY TRAIL.
3. TO AVOID WATER QUALITY IMPACTS, CATCHMENT TRAPPS SHALL BE INSTALLED AND PROPERLY MAINTAINED UNDER TRAIL BRIDGES DURING STRUCTURAL MAINTENANCE.

### GENERAL NOTES

1. ALL MATERIALS SPECIFIED OR NOTED ON THE PLANS ARE NEW UNLESS CALLED OUT OTHERWISE.
2. THE CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL EXISTING CONDITIONS SHOWN OR DIMENSIONED HERE. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE STATE REPRESENTATIVE FOR RESOLUTION BEFORE PROCEEDING WITH THAT PORTION OF THE WORK.
3. ALL WORK SHALL COMPLY WITH THE CURRENT EDITION OF THE FOLLOWING LISTED CODES AND ALL OTHERS HAVING JURISDICTION OVER THE WORK:
  - 2013 EDITION OF THE CALIFORNIA BUILDING CODE
  - 2013 EDITION OF THE CALIFORNIA FIRE CODE
  - 2013 EDITION OF THE CALIFORNIA ENERGY CODE
  - 2013 EDITION OF THE CALIFORNIA ELECTRICAL CODE
  - 2013 EDITION OF THE CALIFORNIA PLUMBING CODE
  - 2013 EDITION OF THE CALIFORNIA MECHANICAL CODE
  - 2013 EDITION OF THE CALIFORNIA GREEN BUILDING STANDARDS CODE
  - 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN
4. CONTRACT ALL WORK IN ACCORDANCE WITH THE LATEST SAFETY RULES AND REGULATIONS OF ALL AUTHORITIES AND AGENCIES HAVING JURISDICTION OVER THE WORK.
5. ALL WORK SHALL BE IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS. WHERE DETAILED INFORMATION OR CLARIFICATION IS REQUIRED, THE MATTER SHALL BE REFERRED TO THE STATE REPRESENTATIVE FOR WRITTEN RESOLUTION.
6. THE CONTRACTOR SHALL NOT SCALE THE DRAWINGS, BUT SHALL RELY ONLY ON THE WRITTEN DIMENSIONS GIVEN. IF A DISCREPANCY OCCURS OR NO DIMENSION IS GIVEN, THE CONTRACTOR SHALL NOTIFY THE STATE REPRESENTATIVE FOR WRITTEN CLARIFICATION BEFORE PROCEEDING WITH THAT PORTION OF THE WORK.



DESIGNED BY	NAWRATH
CHECKED BY	NAWRATH
DATE	6-16-15

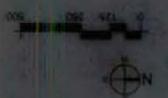
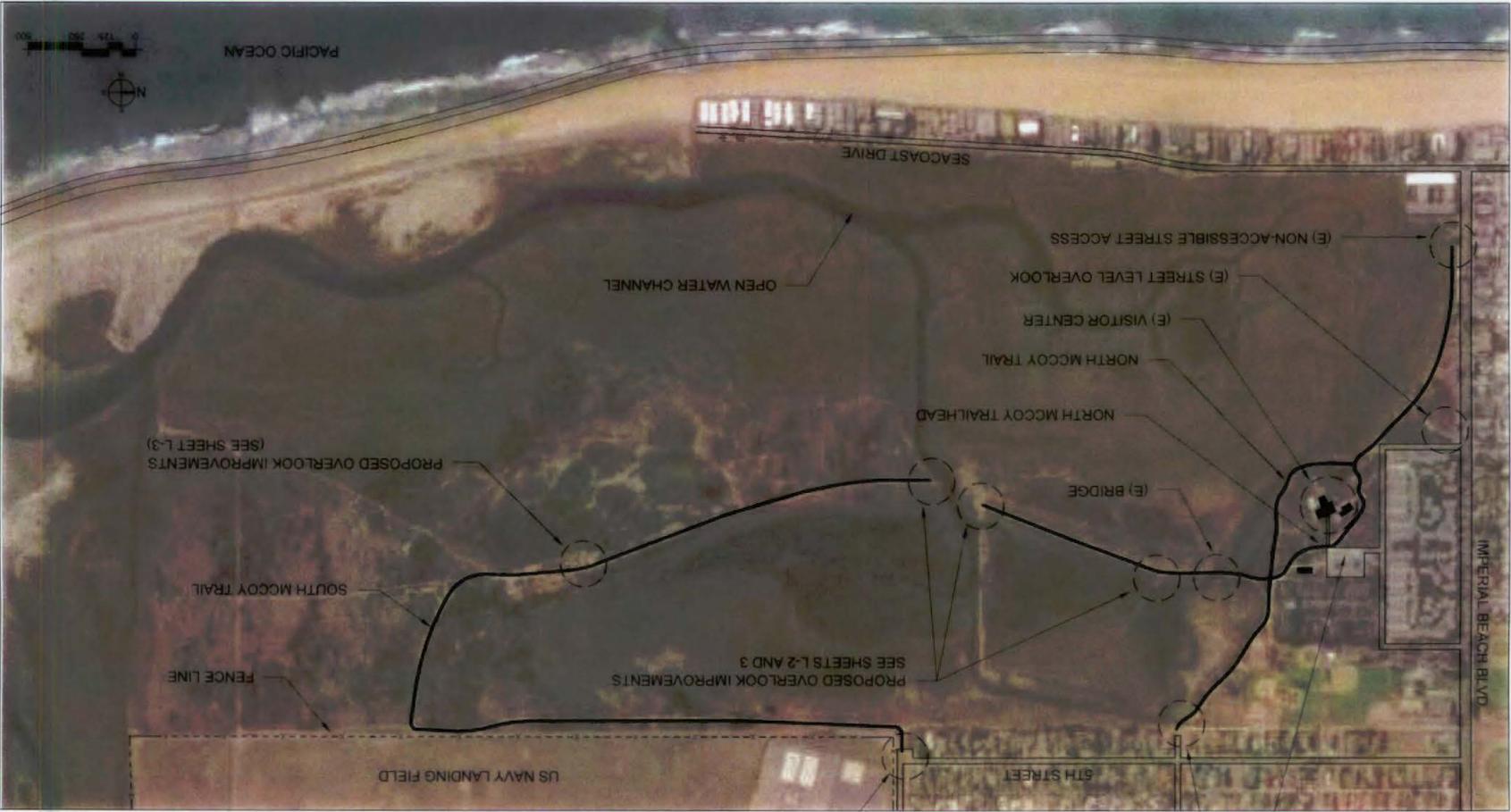
REVISIONS	DATE
1	07-12-2016

TIJUANA ESTUARY/BORDER FIELD STATE PARK  
 MCCOY TRAIL  
 ACCESSIBILITY IMPROVEMENTS  
 COVER SHEET

DRAWING NO.  
XXXXXX-XXX

SHEET NO  
G-1

# SITE REFERENCE



(E) STREET ACCESS POINT AND BRIDGE

(E) ACCESSIBLE PARKING, 4 STALLS (COMPLIANT)

(E) STREET LEVEL OVERLOOK

(E) VISITOR CENTER

(E) NON-ACCESSIBLE STREET ACCESS

NORTH MCCOY TRAIL

NORTH MCCOY TRAILHEAD

(E) BRIDGE

SEE SHEETS L-2 AND 3

PROPOSED OVERLOOK IMPROVEMENTS

(E) ACCESSIBLE PARKING STALL AND PATH OF TRAVEL SOUTH MCCOY TRAILHEAD (NON-COMPLIANT)

US NAVY LANDING FIELD

FENCE LINE

SOUTH MCCOY TRAIL

PROPOSED OVERLOOK IMPROVEMENTS (SEE SHEET L-3)

TUJANA ESTUARY/BOARDER FIELD STATE PARK  
MCCOY TRAIL  
ACCESSIBILITY IMPROVEMENTS  
SITE REFERENCE

REVISED	DATE	REVISIONS
02	12/2015	
01	06/16/2015	

DESIGNED BY	S. NAVARATH
CHECKED BY	XXXX
DATE	02/12/2015
REVISIONS	
DATE	

APPROVED

ACQUISITION & DEVELOPMENT DIVISION  
One Capitol Mall  
Sacramento, CA 95814-3229



SHEET NO.  
L-1  
2 OF 8

DRAWING NO.  
XXXXXX XXXX

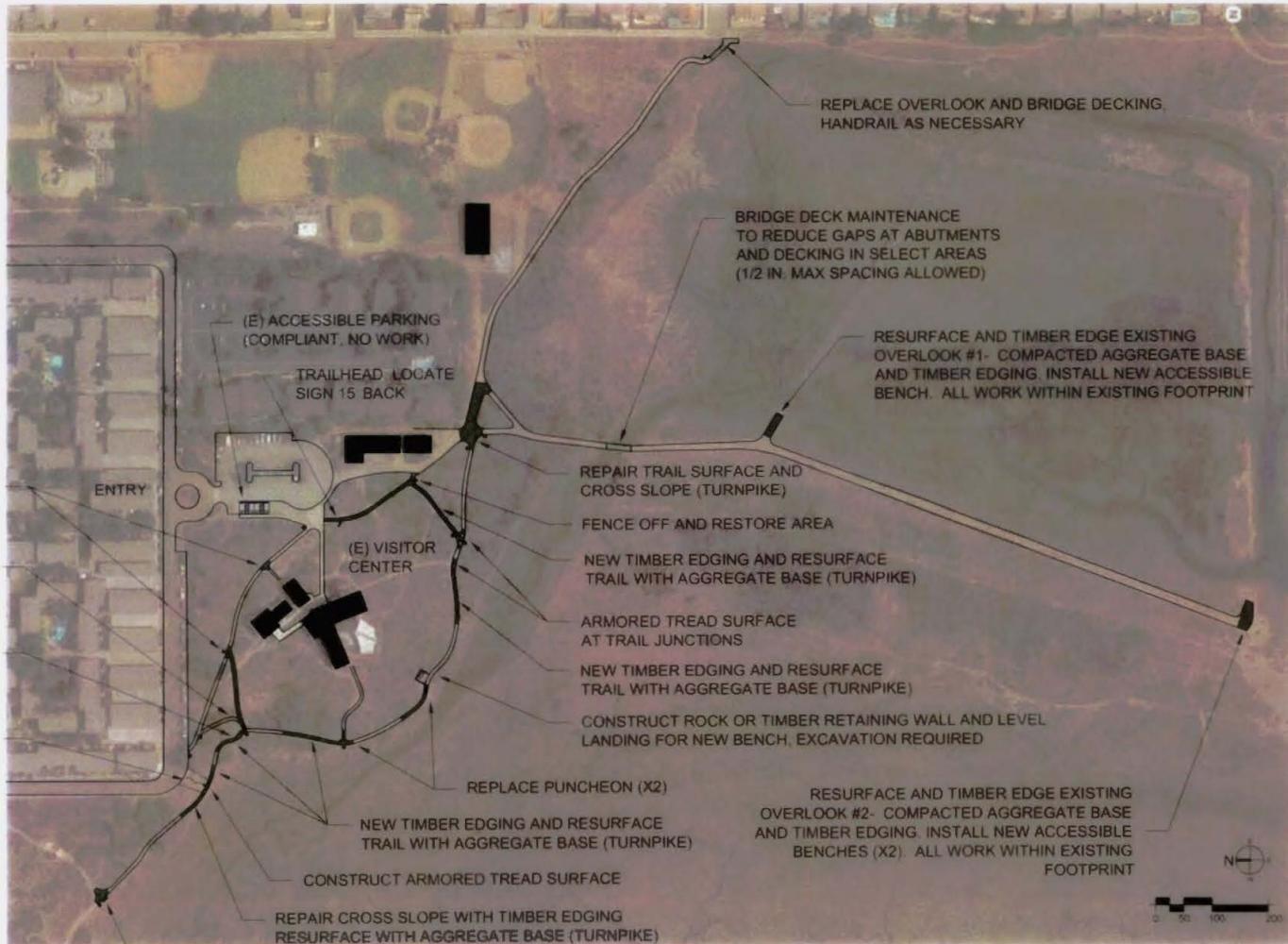
**NOTES**

- ALL TRAIL SURFACES WITHIN PROJECT LIMITS MAY REQUIRE RESHAPING FOR PROPER DRAINAGE
- INSTALL NEW DIRECTIONAL SIGNAGE AT ALL TRAIL SEGMENT JUNCTIONS

• DENOTES TRAILHEAD OR DIRECTIONAL SIGN (X16)



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95814-3226



**NORTH MCCOY TRAIL**

DATE OF THIS DRAWING: 5/16/2015

Map(s) of the plan for this project were prepared and approved by the Department of Parks and Recreation. The work shown on this drawing is subject to field inspection. The work of the Department shall be the responsibility of the project manager or engineer.

APPROVED: \_\_\_\_\_

DESIGNED: S. NAWRATH  
DRAWN: S. NAWRATH  
CHECKED: XXXX  
DATE: 5-16-2015

REVISIONS  
1 02-12-2016 DATE

TIJUANA ESTUARY/BOARDER FIELD STATE PARK  
NORTH MCCOY TRAIL  
ACCESSIBILITY IMPROVEMENTS  
**CONSTRUCTION PLAN**

DRAWING NO. XXXXX XXX

SHEET NO. L-2  
3 OF 8



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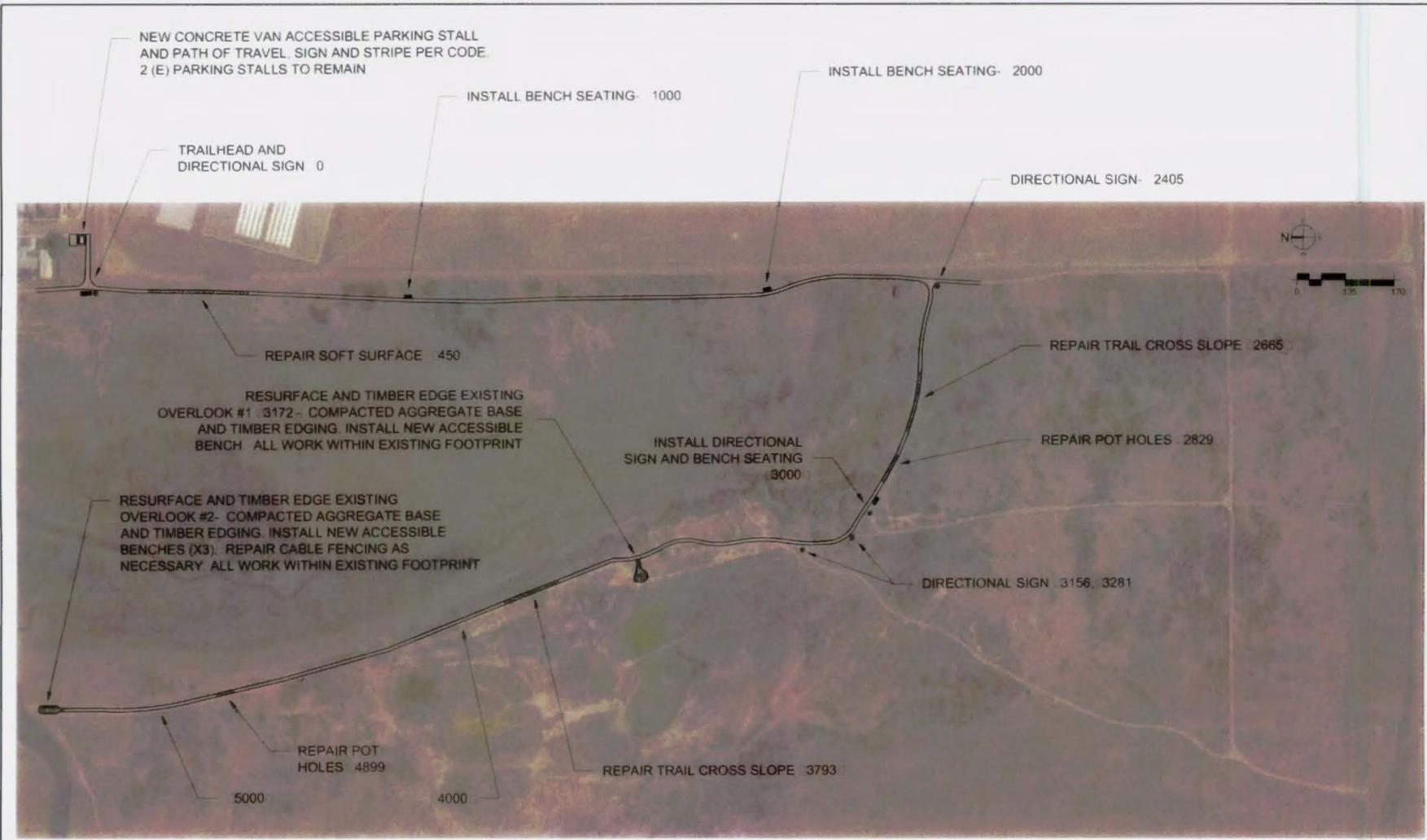


APPROVAL OF THIS PLAN SHALL BE SUBJECT TO THE APPROVAL AND SIGNATURE OF THE STATE PARKS COMMISSION. THIS PLAN IS SUBJECT TO THE PROVISIONS OF THE STATE PARKS ACT AND THE STATE PARKS REGULATIONS. THE STATE PARKS COMMISSION SHALL BE NOTIFIED OF ANY CHANGES TO THIS PLAN.

DESIGNED BY: S. NAVRATH  
DRAWN BY: S. NAVRATH  
CHECKED BY: AXXX  
DATE: 5-16-2015

DESIGNED BY: S. NAVRATH  
DRAWN BY: S. NAVRATH  
CHECKED BY: AXXX  
DATE: 5-16-2015

REVISIONS  
DATE DATE



NOTES  
- ALL TRAIL SURFACES WITHIN PROJECT LIMITS MAY REQUIRE RESHAPING FOR PROPER DRAINAGE  
- INSTALL NEW DIRECTIONAL SIGNAGE AT ALL TRAIL SEGMENT JUNCTIONS

# SOUTH McCOY TRAIL

TUJANA ESTUARY/BOARDER FIELD STATE PARK  
SOUTH McCOY TRAIL  
ACCESSIBILITY IMPROVEMENTS  
CONSTRUCTION PLAN

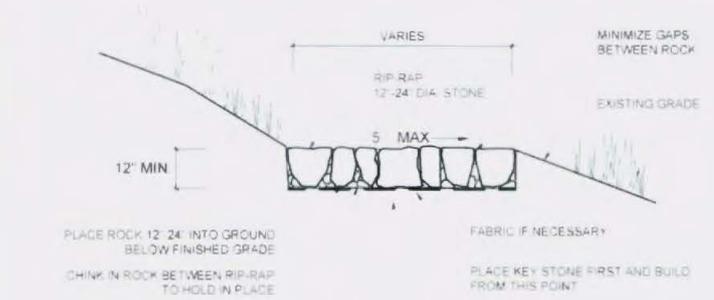
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SHEET NO  
L-3

4 OF 8



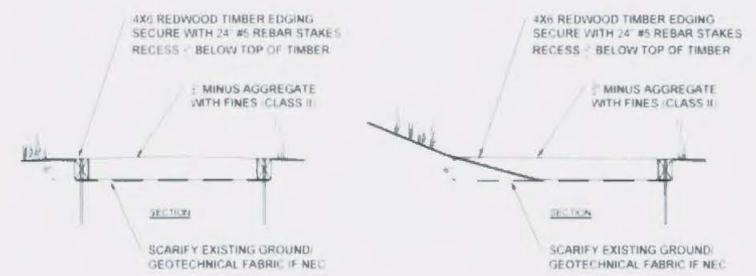
ARMORED TREAD CROSSING



ARMORED TREAD CROSSING - TYPICAL



TIMBER EDGED TURNPIKE TRAIL

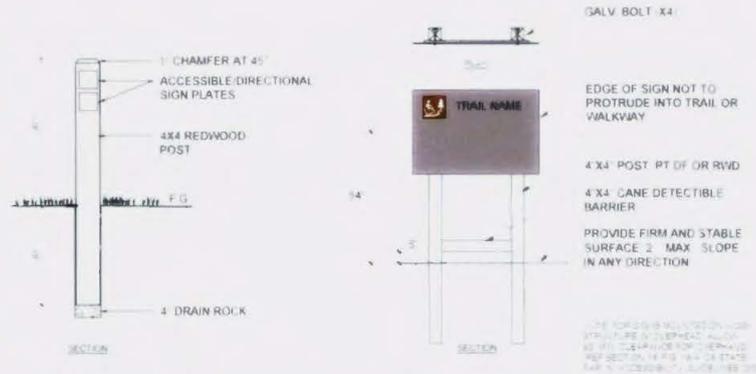


TIMBER EDGED TURNPIKE - FLAT CONDITION

TIMBER EDGED TURNPIKE - SLOPED CONDITION



ACCESSIBLE TRAILHEAD AND DIRECTIONAL SIGNS



TRAIL DIRECTIONAL SIGN - TYPICAL

TRAILHEAD SIGN - TYPICAL



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APPROVED BY	DATE

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DRAWN BY	DATE
CHECKED BY	DATE
DATE	DATE

REVISIONS	DATE
1	12-12-2016

TUJANA ESTUARY/BOARDER FIELD STATE PARK  
MCCOY TRAIL  
ACCESSIBILITY IMPROVEMENTS  
DETAILS

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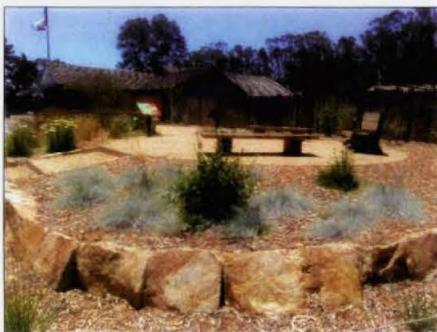
SHEET NO.  
D-1  
5 OF 8



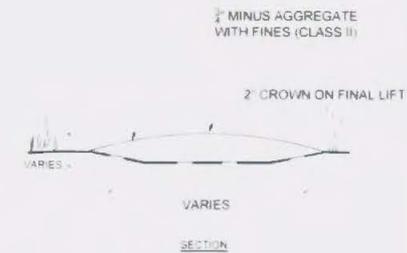
CROWNED TRAIL SURFACE (TYPICAL)



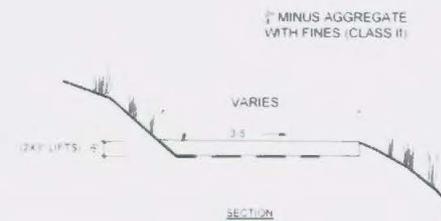
OUT-SLOPED TRAIL SURFACE (TYPICAL)



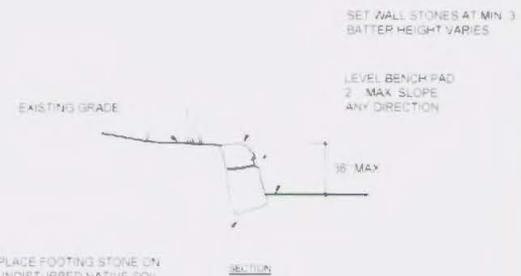
DRY STACK ROCK WALL (TYPICAL)



CROWNED TRAIL SURFACE - TYPICAL



OUT-SLOPED TRAIL SURFACE - TYPICAL



EXCAVATE AND PLACE FOOTING STONE ON UNDISTURBED NATIVE SOIL

DRY STACK WALL - TYPICAL



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DESIGNED BY: S. NAWRATH  
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CHECKED BY: K. KAX  
DATE: 6-16-2015

REVISIONS  
02-12-2015

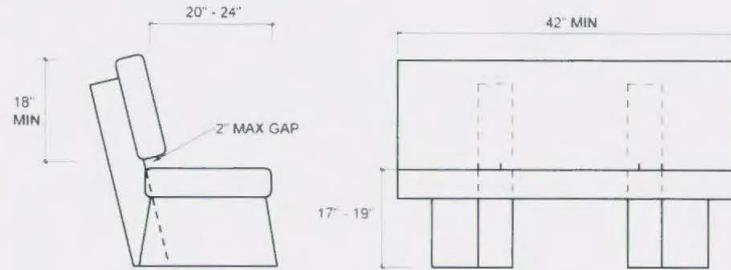
TUJANA ESTUARY/BOARDER FIELD STATE PARK  
MCCOY TRAIL  
ACCESSIBILITY IMPROVEMENTS  
DETAIL/PHOTOS

DRAWING NO.  
XXXXXX XXX

SHEET NO.  
D-2  
6 OF 8



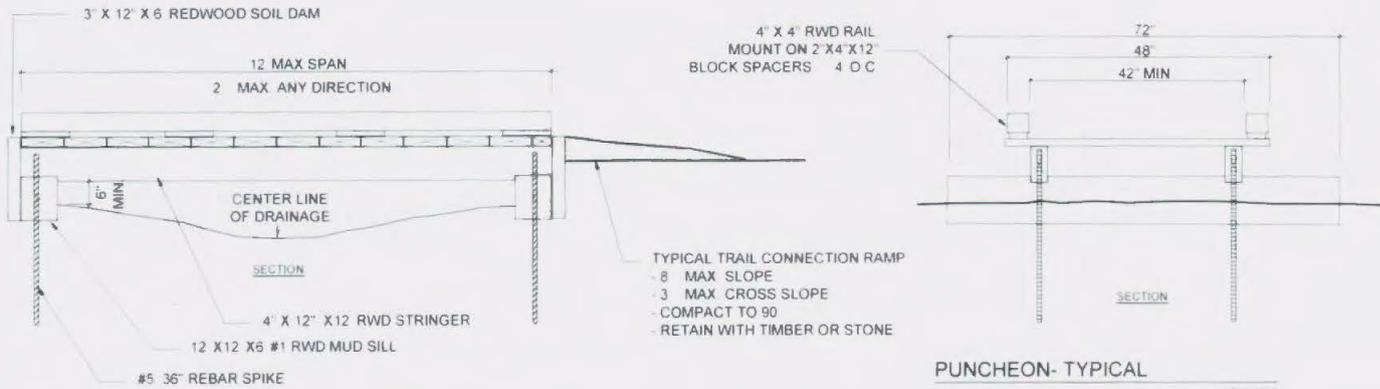
ACCESSIBLE BENCHES (WOOD OR CONCRETE)



REDWOOD TIMBER BENCH- TYPICAL



PUNCHEON BRIDGE



PUNCHEON- TYPICAL



ACQUISITION & DEVELOPMENT DIVISION  
One Capitol Mall  
Sacramento, CA  
95814-2226

DESIGNED	S. NAWRATH
DRAWN	S. NAWRATH
CHECKED	XXXX
DATE	01-16-2015
REVISIONS	DATE
02-12-2015	

DESIGNED: S. NAWRATH  
DRAWN: S. NAWRATH  
CHECKED: XXXX  
DATE: 01-16-2015

REVISIONS  
02-12-2015 DATE

TIJUANA ESTUARY/BOARDER FIELD STATE PARK  
MCCOY TRAIL  
ACCESSIBILITY IMPROVEMENTS  
DETAILS

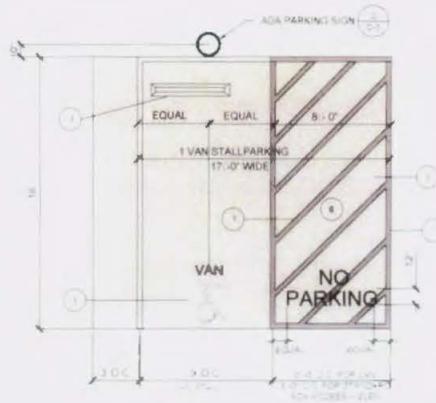
DRAWING NO  
XXXXXX XXX

SHEET NO  
D-3

7 OF 8



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1 ACCESSIBLE PARKING SINGLE STALL

- NOTES
- 1 4" WIDE PAINTED WHITE LINE IS TYPICAL. 45 DEGREE LINES SHALL BE 30" ON CENTER. NO PARKING TEXT SHALL BE HELVETICA NARROW FONT STYLE WHITE LETTERING AT 12" TALL. CENTER TEXT AS DIAGRAMMED.
  - 2 PERIMETER OF ACCESS AISLE TO BE BLUE 4" WIDE LINE.
  - 3 ADA PARKING PAD TO BE 4" CONCRETE SLAB.
  - 4 INSTALL WHEEL STOPS PER DETAIL.
  - 5 INSTALL ADA SYMBOL PER DETAIL.
  - 6 ACCESSIBLE PARKING STALLS AND AISLEWAY NOT TO EXCEED 1% SLOPE IN ANY DIRECTION.



EXAMPLE OF DOUBLE STALL ACCESSIBLE PARKING

IN LANDSCAPED AREAS SET SIGN ELEVATION 5' CLEAR FROM PARKING STALL FINISHED SURFACE GRADE TO BOTTOM OF SIGN. IN PEDESTRIAN CIRCULATION ROUTES SET SIGN ELEVATION 85' FROM PARKING STALL TO BOTTOM OF SIGN.



3 ACCESSIBLE PARKING SIGN

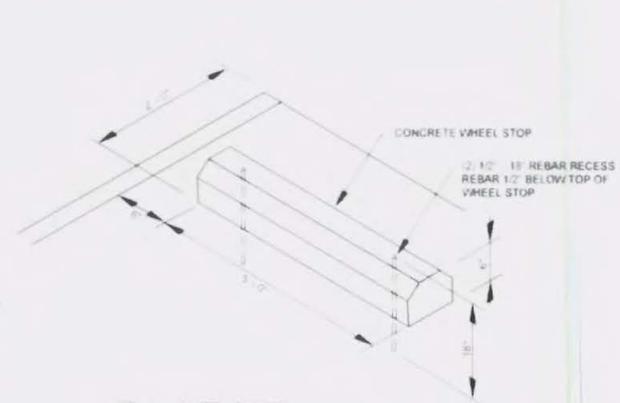
- NOTE
- 1 VAN ACCESSIBLE SIGN OCCURS AT LOCATION SHOWN ON PLANS. ALL OTHER SIGNS TO BE TYPICAL ACCESSIBLE PARKING SIGNS.
  - 2 CENTER SIGNS ON PARKING STALLS.
  - 3 VERIFY SIGN LOCATION PRIOR TO INSTALLATION WITH THE STATE'S REFLECTIVE.
  - 4 BORDER SYMBOLS AND LETTERING TO BE REFLECTIVE.

SYMBOL SIZE  
1.5 1.5 PEDESTRIAN AREAS  
3 3 PARKING STALL



- NOTE
- 1 LOCATE SYMBOL AT REAR LIMIT OF PARKING STALL.

2 ADA SYMBOL



4 WHEEL STOPS

CONCRETE ACCESSIBLE PARKING (TYPICAL)

NOT TO SCALE

DESIGNED BY: S. NAVRATH  
DRAWN BY: S. NAVRATH  
CHECKED BY: K. K. K.  
DATE: 01/16/2015

APPROVED BY: S. NAVRATH  
DATE: 01/16/2015

DESIGNED BY: S. NAVRATH  
DRAWN BY: S. NAVRATH  
CHECKED BY: K. K. K.  
DATE: 01/16/2015

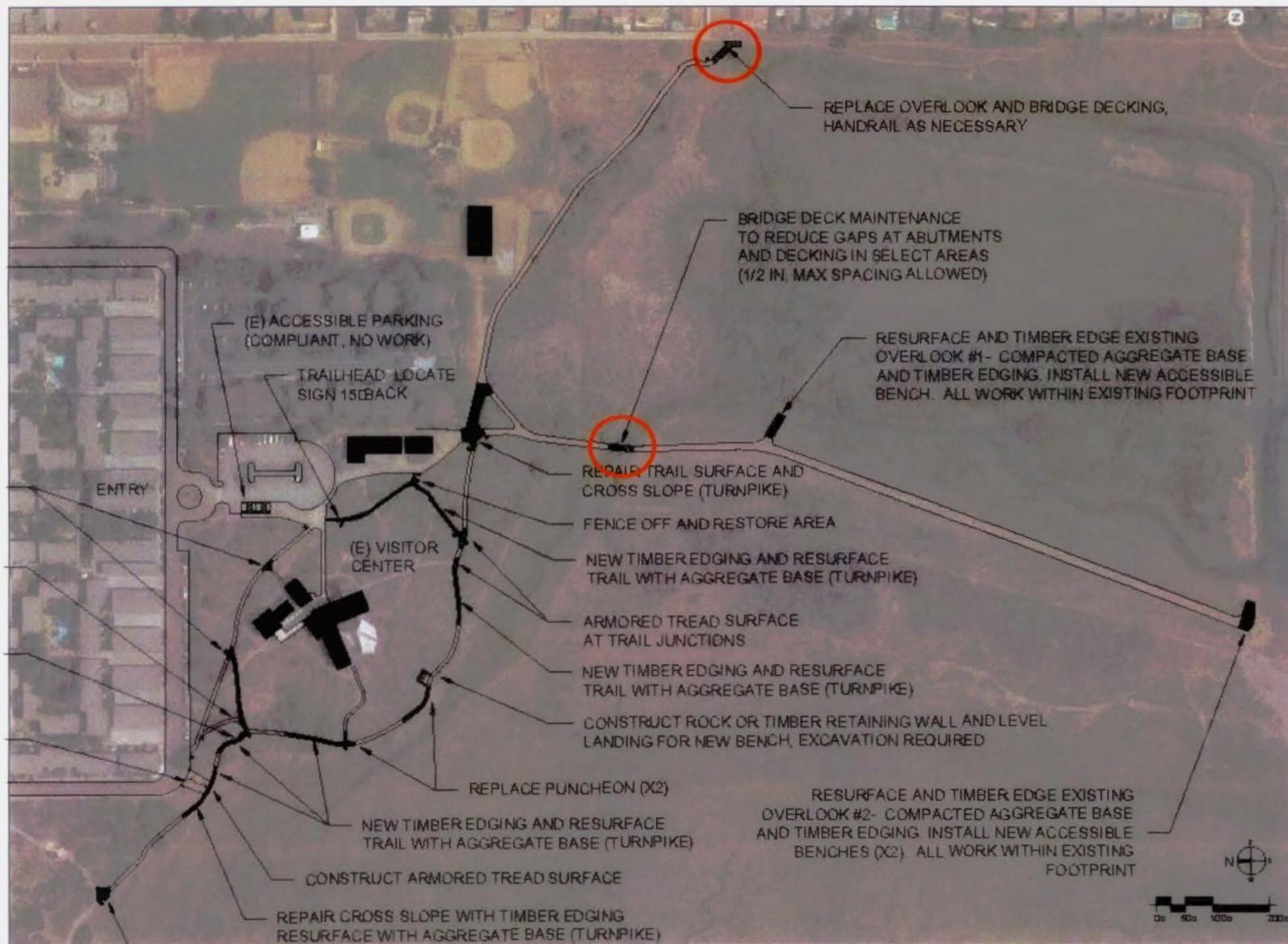
REVISIONS  
02/12/2016 DATE

TUJANA ESTUARY/BOARDER FIELD STATE PARK  
MCCOY TRAIL  
ACCESSIBILITY IMPROVEMENTS  
DETAILS

DRAWING NO.  
XXXXXX.XXX

SHEET NO.  
D-5  
8 OF 8

Figure 1 - Locations of Bridges Requiring Maintenance along the North McCoy Trail



 Denotes Bridge Location