Appendix A. Section 4(f)

CV Link

Draft Environmental Assessment

December 2017

Appendix A. Section 4(f)

The environmental review, consultation, and any other action required in accordance with applicable Federal laws for this project is being, or has been, carried-out by Caltrans under its assumption of responsibility pursuant to 23 USC 327.

Introduction

Section 4(f) of the Department of Transportation Act of 1966, codified in federal law at 49 United States Code (USC) 303, declares that "it is the policy of the United States Government that special effort should be made to preserve the natural beauty of the countryside and public park and recreation lands, wildlife and waterfowl refuges, and historic sites."

Section 4(f) specifies that the Secretary [of Transportation] may approve a transportation program or project requiring the use of publicly owned land of a public park, recreation area, or wildlife and waterfowl refuge of national, state, or local significance, or land of an historic site of national, state, or local significance (as determined by the federal, state, or local officials having jurisdiction over the park, area, refuge, or site) only if:

- There is no prudent and feasible alternative to using that land; and
- The program or project includes all possible planning to minimize harm to the park, recreation area, wildlife and waterfowl refuge, or historic site resulting from the use.

Section 4(f) further requires consultation with the Department of the Interior and, as appropriate, the involved offices of the Department of Agriculture and the Department of Housing and Urban Development in developing transportation projects and programs that use lands protected by Section 4(f). If historic sites are involved, then coordination with the State Historic Preservation Officer is also needed.

Proposed Project Alternative

CV Link is designed as a ±49-mile multi-modal transportation facility that passes through some of the most developed and populated portions of the Coachella Valley, providing access and connectivity between residential, commercial, recreational, institutional, and other land uses throughout the region, and providing recreational opportunities for pathway users. It is also anticipated that the project will contribute to local reductions in traffic volumes and associated air pollutants.

An important element of the Proposed Project Alternative is the deletion of Rancho Mirage alignments and the provision of CV Link termini. Under the Proposed Project Alternative, the CV Link segments generally extending southeasterly from Frank Sinatra Drive and extending along the stormwater channel and public streets are not included at the request of Rancho Mirage. With the deletion of CV Link segments through Rancho Mirage, the Proposed Project Alternative requires the selection of logical termini at and in the vicinity of the Rancho Mirage city limits.

East Rancho Mirage Terminus

The east terminus developed for the Proposed Project Alternative has been designed to bring CV Link users to a diverse activity area with an array of dining and commercial services, and access to hiking and mountain biking trails. It also optimizes the ability of CV Link users to continue westward on existing and future facilities, and Rancho Mirage residents and visitors to continue eastward along CV Link improvements in Palm Desert.

Therefore, the east Rancho Mirage terminus has been placed at the city limits with Palm Desert on Highway 111 at Parkview Drive. The terminus will be reached by CV Link improvements within and along the north and south alignment of Parkview Drive west of Monterey Avenue and College of the Desert. The north Parkview Drive alignment ends at the city limits but travelers can continue west on existing bike lanes in Rancho Mirage and extending west to Highway 111. The very west end of Parkview Drive turns southwest and back into the City of Palm Desert, where Link improvements will also be provided to Highway 111. The south Parkview Drive alignment also continues west along existing bike path and sidewalk improvements to the intersection with Highway 111, where CV Link intersection improvements are planned.

West Rancho Mirage Termini

The deletion of the Rancho Mirage alignments will also affect how the Link is terminated on the west side of the city. To this end, two possible termini were considered that depend upon different end points.

Terminus A: This terminus would be located within the Cathedral City limits and just off of the south (right) bank of the channel at Buddy Rogers Avenue, which returns to Highway 111 a short distance to the south. From this location, CV Link travelers can choose to continue on existing Rancho Mirage on-street and channel paths, or return to the nearby Cathedral City downtown.

Terminus B: This terminus would be located at the northwest corner of Frank Sinatra Drive and DaVall Drive (adjacent to the wash) within the Rancho Mirage city limits. It would be accessed from the northwest by an extension of the CV Link right bank channel alignment, would cross the Whitewater River channel at approximately the same location as an existing pedestrian/bicycle channel crossing, and end at the aforementioned intersection. From this location, CV Link travelers can choose to continue on existing Rancho Mirage on-street bike paths and sidewalks, and channel paths adjacent to Wolfson Park.

Please see Chapter 1, “Proposed Project” for more detailed information.

Alternative 1: Project Without Rancho Mirage and Indian Wells

This alternative was developed to analyze the environmental consequences of CV Link buildout but without the participation of the cities of Rancho Mirage and Indian Wells. The primary difference between the Proposed Project and Alternative 1 is the deletion of CV Link improvements in both cities and the provision of logical termini at and in the vicinity of respective city limits.

Under Alternative 1, the CV Link segments generally extending from Frank Sinatra Drive and extending along the stormwater channel and public streets, within Rancho Mirage are not included. Neither are those street and channel alignments planned in Indian Wells and generally extending from Fred Waring Drive on the west to Washington Street on the east. With the deletion of CV Link segments through Rancho Mirage and Indian Wells, Alternative 1 requires the selection of logical termini at Indian Wells, as have been selected for Rancho Mirage under the Proposed project. The east and west Indian Wells termini are described below.

In addition to the depiction of logical termini in Rancho Mirage described in the Proposed Project, Alternative 1 also assumes that CV Link users in Palm Desert and La Quinta will be able to continue to pass through Rancho Mirage and Indian Wells on their existing sidewalks, bike paths, and streets in accordance with applicable state and federal requirements that local jurisdictions ensure multi-modal access (see California's Complete Streets Act (Government Code (65302(b)(2)(A), etc.). Therefore, and where appropriate, multiple termini have been developed for analysis to provide options for final terminus selection.

Indian Wells Termini

With the deletion of the above-described CV Link segments, Alternative 1 requires the selection of logical termini at and in the vicinity of the Indian Wells city limits. The east and west termini proposed for this alternative are described below.

East Indian Wells Terminus
The east Indian Wells terminus has been placed at the city limits with La Quinta on the south side of Highway 111. The terminus will be reached by a spur path coming south from the WWR Channel path alignment and along the west end of the Point Happy commercial development to the signalized intersection of Plaza La Quinta and Highway 111. From this point, the path will cross Highway 111 and continue west along the south side of the highway to the city limits. At this location, Indian Wells provides a dedicated pedestrian bridge over the Deep Canyon Channel, generous parkway with sidewalks continuing west, and east and west on-street bike paths (unsigned). These facilities will be able to accommodate those CV Link users and others that wish to proceed west via alternative modes of travel.

West Indian Wells Termini
The deletion of the above described Indian Wells CV Link alignments will also affect how the Link is terminated on the west side of the city. To this end, a variety of possible termini were considered that depend upon different Route alignments and end points. Each of the four west end termini being considered is described below.

Terminus A: This terminus would be located on the south (right) bank of the channel at the planned Kelsey Circle access point located within the Desert Rose development in Palm Desert.

Terminus B: This terminus would be located approximately 700-800 feet southeast of Terminus A at the intersection of the old (now abandoned) and partially paved Eldorado Drive alignment, which currently provides CVWD access to the channel and SCE access to an adjoining substation. This terminus would extend south on the existing right of way to Fred Waring Drive, where CV Link users could proceed west on existing parkway improvements.

Terminus C: This terminus would be located on the north (left) bank of the channel and essentially due north of Terminus B on the south side of the channel. This terminus would be reached by an in-channel path that would cross the wash and ramp back up onto the north (left) bank channel service road.

Terminus D: Terminus D is the easterly most of the four considered. It would continue along the north (left) bank of the channel and would continue southeast along the channel to the north side of Fred Waring Drive where it would proceed east to the intersection of Fred Waring Drive and Eldorado Drive where the terminus would be sited. Terminus D and the left bank Route would be located within the Indian Wells city limits.

Alternative 2: Project With All Eight Cities

This project alternative evaluates the environmental impacts associated with a complete and full buildout of the CV Link Route through all of the incorporated cities, unincorporated county and Native American lands from Pam Springs to Coachella. It evaluates all of the prospective Route alignments, including those that pass through the cities of Indian Wells and Rancho Mirage. This alternative, therefore, evaluates all of the alignment variations for the complete 49± mile long Route and its associated 64.34 miles of alignments.

Alternative 3: No Build/No Project

Under the No Project alternative, the existing but limited multi-modal network in the vicinity the CV Link Route will continue to provide current levels and types of service and facilities. Future facilities planned for and set forth in jurisdiction general plans or their equivalent will continue to expand both intra-city and inter-city multi-modal networks. In the absence of unifying, “multi- modal arterial” like CV Link the level of interconnectivity and the provision of meaningful user experiences are expected to be limited.

It should be noted that the No Build/No Project Alternative would not meet most of the project’s objectives. Neither would this alternative provide opportunities for other important partnerships to be created to further the Valley’s multi-modal network. The desired local economic effects also would not be met nor would long-term economic effects of CV Link be realized.

List and Description of Section 4(f) Properties

Section 4(f) Historic Sites are Historic Properties (eligible or listed on the National Register of Historic Places) that warrant preservation in place. There are three Historic Sites used by the CV Link project: the former Tramway Gas Station (33-026436), the Coachella Canal (33-005705/CA-IMP-7658H) and, the Southern Pacific Railroad (33-009498/CA-RIV-6381H). These properties qualify for inclusion in the National Register of Historic Places. In addition, there are other cultural resources that are assumed to be “historic properties” for the purpose of this undertaking. The following describes each of these properties.

<u>33-026436 Former Tramway Gas Station</u>
The former Tramway Gas Station occupies a portion APN 504-040-001, an approximately one-acre parcel located on the northwestern corner of Tram Way and North Palm Canyon Drive. Besides this building, the parcel also contains a number of ancillary facilities, such as the restroom building, the paved parking area, the concrete walkway, and the low wall in front of the main façade (Fig. 1). All of these peripheral features are of recent vintage (Google Earth 1996-2004), and none of them has been identified as a contributor to the former Tramway Gas Station’s historical significance and its National Register eligibility.

The undertaking’s potential to affect the former Tramway Gas Station stems from the proposed construction of the recreational path to the rear of the building, landscaping improvements around the existing parking lot, and the addition of three shade structures with electric vehicle charging stations on the northwest side of the parking lot (see App. 2, Plate 1). None of these activities will directly impact the original 1965 building of the former Tramway Gas Station, which stands approximately 100 feet from the ADI, or alter the significant aspects of Albert Frey’s iconic design that contribute to the significance and integrity of the building (se App. 1).

In terms of visual and atmospheric effects, the setting and feeling on the perimeter of the property will be altered by the addition of the recreational path and the shade structures, but these low-profile facilities will not constitute a prominent intrusion into the viewshed of the building, nor a substantial detraction from its atmospheric surrounding, especially in light of the existing modern facilities of similar nature. In particular, all project activities will occur to the rear of the building, and most of them on the west side, where the existing landscape is dominated by the paved parking lot and the line of sight is partially obscured by the restroom building, both of which date to 2002-2004 (Google Earth 2002; 2004; see App. 2, Plate 1).

In summary, the proposed undertaking will not affect Albert Frey's original architectural design of the former Tramway Gas Station, the primary source of the historic significance of the property. The effect of the undertaking is limited to the once open desert setting of the building, which has been substantially altered since the 1990s and is no longer a significant aspect of the former Tramway Gas Station's historical character.

33-005705/CA-IMP-7658H Coachella Canal

The proposed recreational path will cross the underground syphon of the Coachella Canal on the existing levee on the southeast side of the Whitewater River/CVSC, between the channel and the concrete headwall on that end of the culvert (see App. 2, Plate 2). As such, the undertaking will have no direct impact on any of the character-defining features of the Coachella Canal, either those associated with the open canal or those associated with the syphon. The potential for effect on this property lies primarily in visual and atmospheric concerns associated with the path as well as a proposed rest area to be constructed approximately 60 feet northeast of the canal crossing, which will feature two shade structures with electric vehicle charging stations and interpretative signage (see App. 2, Plate 3).

With the construction of the new facilities, the setting and feeling of the canal will be somewhat altered at this location. However, considering the factors that its significance is derived from, the most important aspects in the historic integrity of the Coachella Canal are the location of its entire 120-mile course and the physical features that embody its overall design and construction methods rather than microscopic originality in terms of materials and workmanship or localized setting and feeling. These macro-level aspects of integrity will not be substantially compromised by the proposed new facilities, which have much less potential to detract from the historic appearance of the canal than the multitude of modern development that has occurred along its course in the Coachella Valley.

For the small segment of the Coachella Canal in the APE, the historic integrity of the property remains largely intact in terms of location, design, materials, and workmanship. In the aspects of setting, feeling, and association, in contrast, the integrity has been significantly compromised by the presence of the frequently upgraded and constantly maintained levee along the Whitewater River/CVSC and a residential neighborhood on the adjacent property to the east, which was developed in 2006-2009 (Google Earth 2006; 2009). In comparison to these existing modern features, the potential of the proposed new facilities to detract further from the historical characteristics of the canal is minimal. In sum, while the proposed undertaking will inevitably have an effect on certain aspects of the historic integrity of the segment of the Coachella Canal at this location, such effect would not reach the level of an "adverse effect."

33-009498/CA-RIV-6381H Southern Pacific Railroad

At its intersection with the Southern Pacific Railroad, the undertaking consists solely of the construction of the proposed recreational path along the Whitewater River/CVSC and under the 1930 railroad bridge (see App. 2, Plate 4). As with Coachella Canal, the overall significance and integrity of the Southern Pacific Railroad reach well beyond the APE for this undertaking. Specific to the

segment of the Southern Pacific Railroad at its intersection with the project alignment, the undertaking will have no direct impact on any physical element of the bridge or the rail line it carries. Furthermore, the undertaking proposes no aboveground construction at this location, and the path to be built under the bridge will not constitute a prominent visual or atmospheric intrusion into the setting and feeling of the Southern Pacific Railroad. As such, the undertaking will not result in an alteration to any of the character-defining features of this "historic property."

In consultation with SHPO, Caltrans has determined that these properties (33-026436 Former Tramway Gas Station, 33-005705/CA-IMP-7658H Coachella Canal and 33-009498/CA-RIV-6381H Southern Pacific Railroad) will result in a Section 106 finding of No Adverse Effect within the APE. Therefore, Caltrans on behalf of FHWA, has determined the implementation of the build alternative would result in a de minimis finding for these properties, which are considered historic sites for the purposes of Section 4(f), based on the following:

1. Caltrans has contacted and has considered the views of consulting parties during the Section 106 process as documented in the Historic Property Survey Report (approved July 14, 2017).

2. Caltrans notified SHPO during Section 106 consultation on the level of project effect for this undertaking of its intent to make a Section 4(f) de minimis finding based on SHPO's written concurrence in the Section 106 determination of "no adverse effect" (See Attachment A - letter dated September 19, 2017).

3. In consultation with SHPO, Caltrans has determined that the undertaking will result in a Section 106 finding of "no adverse effect" with the written concurrence of the SHPO/THPO.

Cultural Resources Assumed to Be "Historic Properties"

The Finding of No Adverse Effect also addresses avoidance and prevention of project effects on eight prehistoric cultural sites in the APE that are assumed to be "historic properties" for the purpose of this undertaking. The following describes each of these sites.

Site 33-000064/CA-RIV-64/H (Cahuilla Village Site/Old Indian Wells Village)
No features or artifacts associated with Site 33-000064/CA-RIV-64/H were observed in or near the ADI during the field survey. The proposed project alignment through this location crosses above the northern portion of the site, on the north side of the Whitewater River. The alignment will be confined within the existing Miles Avenue pavement and sidewalk, and no construction activities or subsurface disturbances will occur (see App. 2, Plate 5). Given the lack of ground disturbance at this location, surviving components of 33-000064/CA-RIV-64/H, if any, would not be located within the horizontal and vertical extent of the undertaking. There will be no use of this property as part of the undertaking.

Site 33-000149/CA-RIV-149 (Prehistoric Habitation Area)
No features or artifacts associated with 33-000149/CA-RIV-149 were found in or near the ADI, nor could artifacts previously reported nearby be re-located. The proposed project alignment across this area lies on a five- to six-foot-tall earthen levee built of imported fill material, and the undertaking at this location consists solely of the CV Link path alignment, with excavations not to exceed one foot and confined to the levee (see App. 2, Plates 6, 7). While Site 33-000149/CA-RIV-149 remains extant in the vicinity, no components of the site are located within the horizontal and vertical extent of the ADI due to the presence of five to six feet of artificial fill forming the levee. There will be no use of this property as part of the undertaking.

Site 33-001178/CA-RIV-1178 (Prehistoric Habitation Area)
No remnants of the site were encountered during the field survey. The portion of the ADI in this area lies mostly on an elevated levee and an artificial terrace at the confluence of the Whitewater River and the La Quinta Evacuation Channel (see App. 2, Plates 8-10). However, deep excavations for one of the proposed bridge support structures will occur at the bottom of the La Quinta Evacuation Channel. A geotechnical boring drilled in this area shows the presence of 10 feet of artificial fill on the surface along the channel, including the height of the levee. The bottom of the La Quinta Evacuation Channel, meanwhile, lies some 15-20 feet below the surrounding ground surface, indicating a significant amount of soil removal during its construction in the 1972-1996 era. In light of the past ground disturbances, no cultural remains associated with Site 33-001178/CA-RIV-1178 are expected to survive within the horizontal and vertical extent of the ADI. There will be no use of this property as part of the undertaking.

Site 33-001530/CA-RIV-1530 (Prehistoric Habitation Area)
An archaeological testing program completed in 2002-2003 delineated the northern boundary of Site 33-001530/CA-RIV-1530 to be approximately 20 feet south of the Miles Avenue right-of-way. No prehistoric cultural remains associated with the site were observed within or immediately adjacent to the Miles Avenue right-of-way during the past studies or the present survey. As in the case of Site 33-000064/CA-RIV-64/H, any remaining components of Site 33-001530/CA-RIV-1530 adjacent to Miles Avenue would be located outside the horizontal and vertical extent of the undertaking since all project activities will occur on the existing pavement and sidewalk (see App. 2, Plate 11). There will be no use of this property as part of the undertaking.

Site 33-001754/CA-RIV-1754 (Ceramic Scatter)
The area where Site 33-001754/CA-RIV-1754 was recorded has been developed into the Indian Wells Golf Resort and the Esmeralda Hotel, and the general location of the site is now occupied partially by a parking garage (see App. 2, Plate 12). Field survey efforts during this study yielded no prehistoric cultural remains in the vicinity. Previous records indicate that this site was a secondary deposit resulting from nearby work on the Whitewater River/CVSC, and was therefore out of primary depositional context. As such, it is not considered a true archaeological site. The project disturbance at this location will not exceed one foot in depth, and thus will not encounter any remnants of the site. There will be no use of this property as part of the undertaking.

Site 33-002935/CA-RIV-2935 (Prehistoric Habitation Area)
No archaeological features or artifacts associated with Site 33-002935/CA-RIV-2935 were found on the surface at and near its recorded location, which has also been developed into a part of the Indian Wells Golf Resort. As mentioned above, existing documentation notes that the cultural remains at the site was partially covered with two meters of artificial fill. The undertaking at this location entails only the construction of the path, and the ground disturbance will not exceed one foot in depth (see App. 2, Plate 13). Since the existing disturbances from past development clearly exceed that depth, and since previous records indicate the presence of a substantial amount of fill on the ground surface, any surviving components of Site 33-002935/CA-RIV-2935 would be beyond the vertical limit of the ADI. There will be no use of this property as part of the undertaking.

Site 33-003005/CA-RIV-3005 (Prehistoric Artifact Deposit)
Site 33-003005/CA-RIV-3005 was treated with archaeological testing, data recovery, and grading monitoring in 1998-2000. As a result, most of the cultural materials were collected, and the site area was subsequently leveled and developed into sod grass farm. During the field survey, no cultural remains were observed in and near that portion of the ADI. The ultimate site limit established by the 1998-2000 studies lies nearly 100 feet from the nearest ground disturbance required by the undertaking, where the proposed path will be constructed in a 25-foot-wide corridor on heavily

disturbed soils along the west side of Washington Street, with the maximum depth of disturbance limited to 2-4 feet (see App. 2, Plates 14-16). Any remaining subsurface deposits associated with Site 33-003005/CA-RIV-3005, if present, would be well outside the horizontal and vertical extent of the ADI. There will be no use of this property as part of the undertaking.

Site 33-007835/CA-RIV-5828 (Small Prehistoric Habitation Area)
Most of the recorded location of this site is now occupied by two large commercial buildings in a shopping center and their paved parking lots, with the rest occupied by the levee. Field survey efforts during this study encountered no prehistoric cultural remains at or near the location of the site. The undertaking across Site 33-007835/CA-RIV-5828 consists of the construction of the path on the artificial fill of the levee, and does not involve deep excavations that may reach undisturbed native soil (see App. 2, Plate 17). Site 33-007835/CA-RIV-5828, therefore, is determined to be outside the ADI. There will be no use of this property as part of the undertaking.

These eight prehistoric cultural sites in the APE are eligible for inclusion in the NHRP under Criterion D only. They do not warrant preservation in place; therefore, the exception from the Section 4(f) process applies (23 CFR 774.13(b)).

The following table and corresponding exhibits (1-3) list the Historic Sites located within a 0.5-mile radius of the proposed project and its alternatives. It should be noted that the majority of Section 4(f) resources in the project vicinity are recreational resources designed for public use. Descriptions of each facility are provided after the exhibits, below.

Table 1: Section 4(f) Properties
Palm Springs
1. Desert Highland Park
2. Bud Furer Trail
3. Sunrise Park
4. Tahquitz Creek Trail
5. Demuth Park
6. Jenkins Trail
Cathedral City
7. Whitewater River Bike Path
8. Second Street Park
Rancho Mirage
9. Abrams-Butler Trail
10. Wolfson Park
11. Bloch Cancer Survivors Park
12. Rancho Mirage Community Park
13. Blixseth Mountain Park
Palm Desert
14. Civic Center Park
15. Palm Desert Community Park
Indian Wells
16. Indian Wells Golf Resort
La Quinta
17. Pioneer Park
18. La Quinta Park
Indio
19. Yucca Park
20. Jackson Park
21. Indio Terrace Park
Coachella
22. Sierra Vista Park


1
2
3
WHITEWATER
RIVER
SAN RAFAEL DR
TRAMWAY RD
N INDIAN CANYON DR
P A L M
S P R I N G S
111
VISTA CHINO
LANDAU BLVD
CATHEDRAL
C I T Y
N PALM CANYON DR
SUNRISE WAY
FARRELL DR
PALM SPRINGS INT'L AIRPORT
GENE AUTRY TRL
RAMON RD
BELARDO RD
TAHQUITZ
MESQUITE AVE
DINAH SHORE
CROSSLEY RD
CREEK
WASH
GOLF CLUB DR
CATHEDRAL CANYON DR
PALM DR
DINAH SHORE DR
DATE
DA VALL DR
CHANNEL
S PALM CANYON DR
CANYON
PALM
2A
1 - Desert Highland Park
2 - Bud Furer Trail
3 - Sunrise Park
4 - Tahquitz Creek Trail
5 - Demuth Park
6 - Jenkins Trail
7 - Cathedral City Whitewater Bike Path
8 - Second Street Park
9 - Wolfson Park
10 - Butler-Abrams Trail
11 - Cancer Survivors Park
LEGEND
ALIGNMENT
CITY BOUNDARY
ACCESS POINT, REST STOP, ENTRY POINT
SEGMENT NUMBER
RECREATION AREAS
N
11.21.16
Source: Alta Planning + Design, 2016
TERRA NOVA®
PLANNING & RESEARCH, INC.
CV Link Project
4(f) Resources - West Valley
Coachella Valley, California
CVLINK
CONNECTING THE COACHELLA VALLEY
CVAG
Exhibit
1



TERRA NOVA® PLANNING & RESEARCH, INC.

CV Link Project
4(f) Resources - Central Valley
Coachella Valley, California

CV/LINK CONNECTING THE COACHELLA VALLEY
CVAG

Exhibit 2



TERRA NOVA® PLANNING & RESEARCH, INC.

CV Link Project
4(f) Resources - East Valley
Coachella Valley, California

CV LINK CONNECTING THE COACHELLA VALLEY
CVAG

Exhibit 3

Palm Springs
An extension of the CV Link is proposed for Desert Highland Park. The CV Link will incorporate and expand the Tahquitz Creek Trail between South Palm Canyon Drive and Sunrise Way. The route will run through Demuth Park enhancing existing pathways. The Jenkins Trail, which is managed by the City will also be incorporated. Another resource located within a half mile of the proposed route is Sunrise Park. There are identified historic sites in proximity to the site that include habitation debris and an occupation area along with historic pipeline and foundations. These resources are not in the project area nor will they be impacted.

Cathedral City
The CV Link will incorporate the proposed Whitewater River Bike Path between Vista Chino and Ramon Road. The Second Street Park is located within a half-mile of the proposed route. Both of these resources will not be negatively affected.

Rancho Mirage
Although not part of the Proposed Project, the CV Link Master Plan makes provision to incorporate and upgrade certain City 4(f) resources. The City's Historic Sites in the project area include Abrams-Butler Trail, Wolfson Park, Rancho Mirage Community Park, Bloch Cancer Survivors Park, and Blixseth Park, which are located within half-mile radius.

Palm Desert
The CV Link will run on alongside the Civic Park on established walkways that will be expanded but will not compromise the level of service. Historic Sites in the project area include College of the Desert campus, the Civic Park, and the Palm Desert Community Park.

Indian Wells
The City's Historic Sites in the project area would be limited to the Indian Wells Golf Resort. CV Link alignments would cross the channel at existing crossings and elsewhere would run parallel to areas of play within the golf course.

La Quinta
A collection of lithic and ceramic scatter was identified in proximity of the project area but will not be disturbed. The CV Link will not traverse any properties that are classified as Historic Sites in the city limits, but Pioneer Park and La Quinta Park are located within a half- mile radius. Even so, these resources will not be negatively impacted.

Indio
The CV Link will connect to Jackson Park, which is considered an Historic Site. The connection will not adversely affect the activities, features, or attributes of the park. Other 4(f) resources located within a half-mile of the proposed route are Yucca Park and Indio Terrace Park. In the proximity of the project area a tribal habitation site was identified, but will not be impacted.

Coachella
The proposed route will traverse alongside the Sierra Vista Park without creating adverse impacts. This small neighborhood park is generally located on the northeast corner of Tyler Street and Calle Mendoza and includes a basketball court, a playground equipment area, landscaped open space and restrooms. Visitation by CV Link users to this park is expected to be limited. This park is considered a Section 4(f) resource and the use of the park as it relates to CV Link will be minor in nature and after taking into consideration avoidance, minimization, mitigation and enhancement measures, will result in no adverse effects to the activities, features, or attributes of the park. Therefore, impacts to this resource will be de minimis.

County of Riverside
There are no Section 4(f) resources located in the county lands.

Impacts on Section 4(f) Property

Proposed Project

Although the Proposed Project would not include the participation of the City of Rancho Mirage, there are Section 4(f) recourses that have a potential to experience an effect as a result of the operation of CV Link. Rancho Mirage recreational resources are Wolfson Park and the Butler- Abrams Trail could be more impacted by CV Link users if the West-End terminus is constructed, as proposed at the northeast corner of Frank Sinatra Drive and the wash. This terminus would bring travelers to an existing signalized crosswalk at the intersection of Sinatra and Da Vall Drives. The greater multi-modal access into the western part of Rancho Mirage from this location may encourage some CV Link user travel into Wolfson Park and the Butler-Abrams Trail.

Palm Springs
Desert Highland Park: This park will be provided direct access to the main CV Link segment planned on the adjacent Whitewater River levee. This 18-acre park includes the James O. Jessie (JOJ) Unity Center, which offers a variety of recreational, health and education programs to the community. This park is expected to be a regular stop for CV Link users, most of which in this area are expected to be Palm Springs residents and visitors, to take a break in a park setting and take in the tremendous mountain and desert views. As a community park, Desert Highland Park is meant to provide services for great number of residents.

CV Link construction will not adversely affect this facility, but will result in some trail enhancements, providing access to the park. CV Link users are expected to increase the use of this facility. However, the CV Link should be viewed as an expansion of this type of facility and will have a net positive benefit in increasing capacity via path widening for a broader mix of users. Taking into consideration avoidance, minimization, mitigation and enhancement measures, will result in no adverse effects to the activities, features, or attributes of the park. Therefore, the CV Link project will not result in the substantial deterioration of this facility or require the construction of new or expansion of existing park facilities. Impacts will be de minimis.

Tahquitz Creek/Bud Furer Trail: Both of these trails occur in proximity to and portions will become a part of the overall CV Link facility, which extends from South Pam Canyon Drive at Tahquitz Creek and proceeds east along existing and planned pathways to the confluence with the Whitewater River. The Tahquitz Creek/Bud Furer Trails, as well as the Jenkins Trail, are already connecting Palm Springs neighborhoods and park amenities. CV Link construction will not adversely affect these trails, but will result in some trail enhancements, including widening and improvement of existing travel surfaces at a few locations. CV Link users are expected to increase the use of these facilities. However, the CV Link should be viewed as an expansion of this type of facility and will have a net positive benefit in increasing capacity via path widening for a broader mix of users. Therefore, the CV Link project will not result in the substantial deterioration of these trails or require the construction of new or expansion of existing trail facilities. Impacts will be de minimis.

Jenkins Trail: As mentioned above, Jenkins Trail is an existing trail that connect Palm Springs neighborhoods to park facilities that extends from the confluence of the Tahquitz Creek and Whitewater River on the west and Cathedral Canyon Drive on the east. CV Link construction will not adversely affect this trail, but will result in some trail enhancements. CV Link users are expected to increase the use of this facility, however the increased use is minor in nature and will not result in the

substantial deterioration of this trail. Taking into consideration avoidance, minimization, mitigation and enhancement measures, will result in no adverse effects to the activities, features, or attributes of the park. Therefore, impacts to this resource will be de minimis.

Demuth Park: CV Link improvements at Demuth Park, a 61-acre park, will occur along existing roads and paved paths, as well as along and atop the soon to be rebuilt Tahquitz Creek flood control levee. Demuth Park has several ball fields, soccer fields, tennis courts, and other amenities. This popular park is expected to be a regular stop for CV Link users to take a break in a park setting and take in the views. Most Link users in this area are expected to be city residents and visitors. Demuth Park is a community park; the Palm Springs General Plan indicates that this type of park is designed to provide recreational services to a regional level of users.

CV Link construction will not adversely affect this facility, but will result in some enhancements for users. CV Link users are expected to increase the use of this facility; however, the increased use is minor in nature and will not result in the substantial deterioration of this trail. Taking into consideration avoidance, minimization, mitigation and enhancement measures, will result in no adverse effects to the activities, features, or attributes of the park. Therefore, impacts to this resource will be de minimis.

Sunrise Park: This 38-acre park is located approximately 0.4 miles north of the Tahquitz Creek CV Link alignment. This diverse park includes Palm Springs Swim Center, the Mizell Senior Center, a skateboard park, the Palm Springs Minor League baseball stadium, the main branch of the City Library and expanses of landscaped open space. CV Link will have no direct impact on these park and related facilities; however, their proximity to CV Link could see some level of increased use, although Link users' use of these facilities is expected to be minimal. Sunrise Park is a community park and as such, is designed to accommodate a greater number of users.

CV Link construction will not adversely affect this facility. CV Link users are expected to increase the use of this facility due to its proximity to the park; however, the increased use is minor in nature and will not result in the substantial deterioration of the park. Taking into consideration avoidance, minimization, mitigation and enhancement measures, will result in no adverse effects to the activities, features, or attributes of the park. Therefore, impacts to this resource will be de minimis.

Cathedral City

Whitewater River Bike Path: The CV Link will incorporate the Whitewater River Bike Path between Vista Chino and Ramon Road, approved by the cities of Cathedral City and Palm Springs. This new facility will have direct connections to the CV Link alignments in this area when constructed and will introduce new local and more distant users to this bike path. Taking into consideration avoidance, minimization, mitigation and enhancement measures, will result in no adverse effects to the activities, features, or attributes of the path. Therefore, impacts to this resource will be de minimis.

Second Street Park: This 2.75 acre resource is a small neighborhood park located in Cathedral City's downtown core area. It is a short distance west of the proposed route with a ball field, playground, tennis and pickle ball courts, sand volleyball court and shade structures. This park could experience a slight increase in use limited by the nature of the amenities, which are most suited for the local neighborhood. Therefore, while there could be some very limited increased use of this facility by CV Link users, the project will not result in the substantial deterioration or require the construction of new or expansion of existing Second Street Park facilities given that the park will be use by Cathedral City residents and visitors. Taking into consideration avoidance, minimization, mitigation and enhancement measures, will result in no adverse effects to the activities, features, or attributes of the park. Therefore, impacts to this resource will be de minimis.

Palm Desert

Civic Center Park: A 70-acre park with facilities ranging from four baseball fields, six tennis courts, four volleyball courts, three basketball courts, dog park, skateboard park, date grove, amphitheater, playground facilities, picnic pavilions, and restrooms. This park is able to accommodate a variety of users. The CV Link path will pass the northwestern boundary of the park and be complementary to the park by providing a safe multi-modal access to existing facilities. The Civic Center Park will not be affected by the development of CV Link. Taking into consideration avoidance, minimization, mitigation and enhancement measures, will result in no adverse effects to the activities, features, or attributes of the park. Therefore, the CV Link project will not result in the substantial deterioration of this facility or require the construction of new or expansion of existing park facilities. Impacts will be de minimis.

Palm Desert Community Park: A small park located on Magnesia Falls Avenue with a playground and open fields for recreation. Desert Sands Unified School District has a joint use agreement with the City to allow Abraham Lincoln Elementary and Palm Desert Middle to utilize the facilities for their recreation programs. CV Link would be built on a paired one-way couplet on Magnesia Falls Avenue given the current road widths. This would provide one-way Class 4 facilities on each side of Magnesia Falls Avenue.

Taking into consideration avoidance, minimization, mitigation and enhancement measures, will result in no adverse effects to the activities, features, or attributes of the park. Therefore, the CV Link project will not result in the substantial deterioration of this facility or require the construction of new or expansion of existing park facilities. Impacts will be de minimis.

Indian Wells

Indian Wells Golf Resort: The CV Link would pass through and provide direct access to this public golf course. Two CV Link alignments would pass through or along portions of this golf course, which is also bordered on the south by major resort hotels. Link routing near these facilities avoids potentially significant conflicts with golf play. However, route refinements conducted in consultation with the City's golf course manager will be necessary to ensure that impacts are keep below a level of significance.

Taking into consideration avoidance, minimization, mitigation and enhancement measures, will result in no adverse effects to the activities, features, or attributes of the park. Therefore, the CV Link project will not result in the substantial deterioration of this facility or require the construction of new or expansion of existing park facilities. Impacts will be de minimis.

La Quinta

Pioneer Park: This small neighborhood park is located approximately 0.25 miles from CV Link on the east side of Washington Street. This park is limited in size and amenities and is not expected to see any appreciable visitation from CV Link users since the distance and the location of the park would make it difficult for CV Link users to conveniently visit the park. Therefore, there will be no adverse impacts to this facility.

La Quinta Park: This park is located approximately 0.2 miles from CV Link and is expected to see an increase of use. Even so, the users would primarily be composed of La Quinta residents and visitors. Access to the park requires users to cross Adams Bridge, which is a busy street and would limit the use of La Quinta Park.

Taking into consideration avoidance, minimization, mitigation and enhancement measures, will result in no adverse effects to the activities, features, or attributes of the park. Therefore, the CV Link project

will not result in the substantial deterioration of this facility or require the construction of new or expansion of existing park facilities. Impacts will be de minimis.

Indio
Jackson Park: provides neighborhood-serving recreational amenities, including ball fields, tennis and basketball courts, as well as playground equipment. As a planned access point, the park has the potential for visitation and use by CV Link travelers. While CV Link will enhance access to this park it is not expected to result in the substantial deterioration or require the construction of new or expansion of existing park facilities or other recreational amenities. This park is primarily utilized by the local neighborhood and is designated as a neighborhood and has the potential to provide recreational to a broader spectrum of users.

Taking into consideration avoidance, minimization, mitigation and enhancement measures, will result in no adverse effects to the activities, features, or attributes of the park. Therefore, the CV Link project will not result in the substantial deterioration of this facility or require the construction of new or expansion of existing park facilities. Impacts will be de minimis.

Yucca Park: A small neighborhood facility located some distance south of the Link alignment and is therefore unlikely to attract CV Link users. Therefore, the CV Link project will not result in the substantial deterioration or require the construction of new or expansion of existing park facilities or other recreational amenities. Impacts will be de minimis.

Coachella
Sierra Vista Park: CV Link will be adjacent to Sierra Vista Park, which is a small neighborhood park with a basketball court, restroom facilities, limited playground equipment and landscaped open space. Visitation by CV Link users to this park are expected to be limited to the City of Coachella residents and visitors.

Taking into consideration avoidance, minimization, mitigation and enhancement measures, will result in no adverse effects to the activities, features, or attributes of the park. Therefore, the CV Link project will not result in the substantial deterioration of this facility or require the construction of new or expansion of existing park facilities. Impacts will be de minimis.

Alternative 1
This alternative would not include the cities of Rancho Mirage and Indian Wells. Since the CV Link alignment would end a distance from the Indian Wells Golf Resort and there would be no impact to this resource as a result of CV Link. As such, impacts to Section 4(f) resources associated with Alternative 1 will be identical to impacts associated with the Proposed Project (see above), with the exception of impacts associated with resources located in the City of Indian Wells which would not occur. Therefore, there will be no adverse impacts to this resource.

Alternative 2
Alternative 2 will result in the same Section 4(f) impacts as the Proposed Project, with the exception of resources within the City of Rancho Mirage. The following recreational Section 4(f) resources are located within Rancho Mirage in proximity to CV Link.

Rancho Mirage
Butler-Abrams Trail: An existing trail system with paved pathways along the Whitewater River Channel. This trail system would be incorporated into CV Link and be enhanced and upgraded. The level of impact is expected to be increased yet would not create a substantial effect to the surrounding

neighbors since CV Link use would be similar to the current use. Therefore, there will be no adverse impacts to this resource.

Michael S. Wolfson Park: 1-arce park with a Victorian theme which has a fountain, decorative lighting fixtures, and benches, with a Braille-marked trail and fragrance garden. A CV Link alignment would pass through the existing trail and continue down the wash. Although minor improvements would be made the overall quality and the existing features would remain. Therefore, there will be no adverse impacts to this resource.

Bloch Cancer Survivors Park: A mini park that is adjacent to City Hall. The park is located approximately 0.2 miles from the CV Link route. A pyramid kiosk, decorative benches, inspirational plaques, ponds, and a hillside waterfall are featured to inspire hope to those with cancer. The park would not experience degradation as a result of CV Link's construction or development. Although the park could experience a minor visitor increase this would not affect the park's resources. Therefore, there will be no adverse impacts to this resource.

Rancho Mirage Community Park: A 8.25-acre park with an array of facilities which include tennis, basketball, racquetball/handball courts, an informal playfield, life-size fire engine, water features, and picnic facilities. CV Link would be constructed on the north boundary of the park along the Whitewater River Channel and include an access point to connect park users to CV Link facilities. This would not create a degrading effect on the park since the CV Link would serve as a multi-modal transportation option for park users. Therefore, there will be no adverse impacts to this resource.

Blixseth Mountain Park: A local park located east of the Magnesia Storm Channel off Mirage Road. The park's entrance is located approximately 0.3 miles from the CV Link route. The 7-acre park provides several walking paths and benches to observe desert and mountain vistas. This park offers visitors an opportunity to observe the natural beauty of the desert. Construction of CV Link would not degrade the park instead it would be complementary to the park since it would provide park users an alternative form of transportation. Construction would be minimal in nature. Therefore, there will be no adverse impacts to this resource.

Alternative 3
Alternative 3 in the "No-Build" alternative, therefore there would be no impacts to Section 4(f) resources because the project would not be built.

Avoidance Alternatives
CV Link differs from most transportation project since its purpose (see Chapters 1 and 2 for further detail), is to not only provide an alternative transportation corridor but to also provide residents and visitors of the participating cities with an additional recreational facility to improve the community. As previously discussed, CV Link would be a Section 4(f) resource, since it is a multi-modal transportation corridor that benefit Coachella Valley users by optimizing the underuse area along the Whitewater River Channel/Coachella Valley Stormwater and providing recreational facility that encourage active recreation. The incorporation and enhancement of the listed Section 4(f) resources is not intended to lessen or negatively impact these facilities. Instead the intent of CV Link is to complement these resources. Below are brief summaries of the four project alternatives and the impact that would arise with the operation of each one. As such, there is no need for "Avoidance Alternatives" because CV Link will not adversely impact Section 4(f) resources. Rather, such resources could benefit from the project.

Measures to Minimize Harm to the Section 4(f) Property

CV Link will not result in the substantial deterioration or require the construction of new or expansion of any existing park facilities or other recreational amenities in the project planning area. Project design considers areas where further refinement of certain path alignments will serve to avoid and further minimize potential CV Link impacts on area recreational facilities, including Section 4(f) resources. Therefore, measures to minimize harm to Section 4(f) properties are not required.

Despite the lack of impact by the undertaking on the eight prehistoric sites assumed to be "historic Properties," the overall archaeological sensitivity of the region is high and the possibility of inadvertent archaeological discovery at these locations during construction cannot be ruled out. In addition, several Native American groups in the region have requested project monitoring during consultations regarding this undertaking. Therefore, the portions of the ADI at six of these eight sites will be placed in designated AMAs as a precautionary measure, and will be subject to on-site monitoring by qualified archaeologists and the appropriate tribal representatives. No AMA will be necessary at 33-000064/CA-RIV-64/H and 33-001530/CA-RIV-1530 since all project activities in the vicinity of these sites will occur on the existing pavement of Miles Avenue, and no further ground disturbances will be required. The portions of the sites lying outside the ADI will be placed in ESAs and protected from inadvertent disturbances. Based on these considerations, the following conditions are implemented to address potential inadvertent archaeological discoveries during the proposed undertaking:

CUL-A: If any potentially prehistoric features, artifacts, ecofacts, manuports, or evidence of midden soil are discovered during the undertaking, all construction activities within a 60-foot (approximately 18-meter) radius of the find will be halted until a qualified archaeologist can determine the nature and the significance of the find. If such find occurs in or near the previously established boundary of a prehistoric sites identified in the APE during this study, construction activities will be halted within 60 feet of any portion of the site that falls within or close to the ADI.

CUL-B: If human remains are discovered, State Health and Safety Code Section 7050.5 states that further disturbances and activities shall cease in any area or nearby area suspected to overlie remains, and the County Coroner contacted. Pursuant to Public Resources Code Section 5097.98, if the remains are found to be Native American, the coroner will notify the Native American Heritage Commission, which will then notify the Most Likely Descendant (MLD). The person who discovered the remains will contact Gary Jones, Caltrans District 8 Native American Coordinator, at (909) 383-7505 to facilitate cooperation with the MLD on the respectful treatment and disposition of the remains. Further provisions of California Public Resources Code Section 5097.98 are to be followed as applicable.

CUL-C: Archaeological and tribal monitors shall be present during any construction or preconstruction- related activity in all areas designated as Archaeological Monitoring Areas. In the event that cultural deposits are uncovered, the archaeological monitor shall be empowered to implement protective measures outlined above in CR-1. Details of the monitoring plan are located in the PRDMP (see App. 4).

CUL-D: The portions of Sites 33-000064/CA-RIV-64/H, 33-000149/CA-RIV-149, 33-001178/CA-RIV-1178, 33-001530/CA-RIV-1530, 33-001754/CA-RIV-1754, 33-002935/CA-RIV-2935, 33-003005/CA-RIV-3005, and 33-007835/CA-RIV-5828 lying outside the horizontal limits of the ADI shall be designated as Environmentally Sensitive Areas, where all project-related activities or inadvertent disturbances shall be prohibited. Further provisions regarding the ESAs are located in the ESAAP (see App. 3).

Coordination
Coordination has been established with 8 cities and the four school districts that have jurisdiction over the Section 4(f) resources. The main contacts have been the following individuals: Palm Springs – Marcus Fuller, Assistant City Manager, Cathedral City – Pat Milos, Community Development Director, Rancho Mirage – Mark Sambito, Director of Public Works, Palm Desert – Mark Greenwood, Director of Public Works, Indian Wells – Ken A. Seumalo, Public Works Director, La Quinta – Tim Jonasson, City Engineer, Indio – Juan Raya, City Engineer, Coachella – Maritza Martinez, Public Works Director, Palm Springs Unified School District – Julie Arthur, Executive Director of Facilities, Desert Sands Unified School District, Jim Novak, Assistant Superintendent, Coachella Valley Unified School District, Gregory Fromm, Assistant Superintendent. The letters for each jurisdiction have been attached and a de minimis determination has been made by all participating jurisdictions.

Least Harm Analysis and Concluding Statement (include for Final ED)
As discussed above, the avoidance alternative, the No Build alternative (Alternative 3), is considered not prudent.
Section 774.3(c) states: If there are no prudent and feasible avoidance alternatives, Caltrans can only approve the alternative that:

- Causes the least overall harm in light of the statutes preservation purposes. This is done by balancing the:
- Ability to mitigate adverse impacts to each Section 4(f) resource
- Relative severity of the remaining harm, after mitigation, to the protected activities and attributes or features
- Relative significance of each Section 4(f) property
- Views of the officials with jurisdiction over each Section 4(f) property
- Degree to which each alternative meets the purpose and need
- After reasonable mitigation, the magnitude of any adverse impacts to resources not protected by Section 4(f); and
- Substantial differences in costs among alternatives

For this project, implementation of each of the remaining build alternatives (Proposed Project, Alternatives 1, and 2,) involves the use of Section 4(f) resources.

Based on the above considerations, there is not feasible and prudent alternative to the use of land from Palm Springs, Cathedral City, Rancho Mirage, Palm Desert, Indian Wells, La Quinta, Indio, and Coachella and the proposed action includes all possible planning to minimize harm to minimize harm to all recreational Section 4(f) resources resulting from such use and causes the least overall harm in light of the statute's preservation purpose.

The near and long-term cumulative adverse impacts associated with the CV Link and its alternatives would not be considerable and will in fact be de minimis. This section has analyzed the potential impacts to each Section 4(f) resources. In accordance to the Section 4(f) process, the various jurisdictions have also analyzed and determined that a de minimis impact would be created by the construction and operation of CV Link. Importantly, the project is expected to have a cumulatively considerable positive or beneficial impact on individual and area-wide recreational amenities and resources, providing a much needed multi-modal backbone facility that improves community linkage to its recreational amenities, while providing a new and unique facility for walking and jogging, or bicycling. It is important to note that CV Link would be a Section 4(f) resource for the participating cities and will serve to enhance the existing recreational Section 4(f) resources that have been listed.

Section 4(f) De Minimis Determination

Section 6009(a) of SAFETEA-LU amended Section 4(f) legislation at 23 United States Code (USC) 138 and 49 USC 303 to simplify the processing and approval of projects that have only *de minimis* impacts on lands protected by Section 4(f). This revision provides that once the U.S. Department of Transportation (USDOT) determines that a transportation use of Section 4(f) property, after consideration of any impact avoidance, minimization, and mitigation or enhancement measures, results in a *de minimis* impact on that property, an analysis of avoidance alternatives is not required and the Section 4(f) evaluation process is complete. FHWA's final rule on Section 4(f) *de minimis* findings is codified in 23 Code of Federal Regulations (CFR) 774.3 and CFR 774.17.

Responsibility for compliance with Section 4(f) has been assigned to the Department pursuant to 23 USC 326 and 327, including determinations and approval of Section 4(f) evaluations, as well as coordination with those agencies that have jurisdiction over a Section 4(f) resource that may be affected by a project action.

In summary, the proposed undertaking will not directly or indirectly alter any of the characteristics of the three Historic Properties; the former Tramway Gas Station (33-026436), the Coachella Canal (33-005705/CA-IMP-7658H), and the Southern Pacific Railroad (33-009498/CA-RIV-6381H); that qualify them for inclusion in the National Register of Historic Places. Furthermore, the undertaking will not disturb any cultural remains associated with the eight prehistoric sites previously recorded in the APE, all of which were determined to be outside the ADI. Pursuant to 36 CFR 800.5(a)(1-2), Caltrans concludes that the undertaking will result in a de minimis finding and not have an adverse effect to any "historic property" in the APE. The following section provides a summary of de minimis impacts for all participating jurisdictions. Copies of concurrence letters and correspondence efforts are provided at the end of this section.

Palm Springs

Aforementioned, CV Link would incorporate Desert Highland Park, Tahquitz/Bud Furer Trail, Jenkins Trail, and Demuth Park. The added elements would not impede current use nor would they result in site degradation. Instead, CV Link is intended to be a complementary facility to the existing recreational facilities by providing current users the ability to access these sites via multi-modal transportation. Impacts to Section 4(f) resources are expected to be de minimis.

Cathedral City

The City's future Whitewater River Bike Path is projected to be completed prior to the development of CV Link, even so the integration of the Bike Path with CV Link will not hinder access or limit the level of service it is intended to provide. By integrating this segment CV Link continues to carry out not only its goals and objective, but its implementation to further aid with carrying out the City's alternative transportation goals since it will connect this designated alternative transportation route with the rest of the city. Impacts to Section 4(f) resources are expected to be de minimis.

Rancho Mirage

Although the City of Rancho Mirage has expressed concerns about the construction and operation of CV Link, the development of this project is expected to enhance, not degrade, the existing facilities. CV Link connection points to the Wolfson and Rancho Mirage Community Park will provide multi-modal access to the sites. Repaving of the existing asphalt path with the iconic CV Link design path will enhance Abrams-Butler Trail. Impacts to Section 4(f) resources are expected to be de minimis.

Palm Desert

CV Link will traverse through the northern boundary of the Civic Center Park. This path is intended for alternative transportation. The addition of CV Link will thus create further opportunities for current

park users to access the park by alternative transportation methods. As the route continues eastward it will also pass the northern boundary of the Palm Desert Community Park. This will not create a disruption to service nor damage the park instead it will connect provide a multi-modal transportation corridor to the par users and the local school children. Impacts to Section 4(f) resources are expected to be de minimis.

Indian Wells

CV Link is proposed to pass through the Indian Wells Golf Resort and to provide direct access to the public golf course. There will be no significant conflicts with golf play since it will largely follow an existing pathway system. Even so, consultation with the City's golf course manager will be necessary to further minimize potential impacts. Impacts to Section 4(f) resources are expected to be de minimis.

La Quinta

CV Link does not pass through direct contact with any 4(f) resource within the city. Pioneer and La Quinta Parks are both located within a 0.5-mile radius and can experience an increase in park users as a result of the addition of a multi-modal transportation corridor. Even so the users would likely be local residents and the quality of the parks would not be degraded as a result of CV Link. Impacts to Section 4(f) resources are expected to be de minimis.

Indio

Jackson Park will be an access point for CV Link with a ramp and various CV Link amenities added to the park. This would not create a negative impact to the park. On the contrary it will enhance the existing facility and provide an alternative mode of access to the park. Impacts to Section 4(f) resources are expected to be de minimis.

Coachella

CV Link will connect to Sierra Vista Park offering park users and added recreational facility. This connection will not negative impact the park since the addition of CV Link is not going to damage nor create a need to supplement the existing facility. Impacts to Section 4(f) resources are expected to be de minimis.

City of Palm Springs
Public Works & Engineering Department
3200 East Tahquitz Canyon Way • Palm Springs, California 92262
Tel: (760) 322-8380 • Fax: (760) 323-8207 • Web: www.palmspringsca.gov

November 3, 2016

Mr. Tom Kirk
Executive Director
Coachella Valley Association of Governments (CVAG)
73-710 Fred Waring Drive
Palm Desert, CA 92260

RE: Section 4(f) De Minimus Impact Finding for the CV Link- Federal Project Number CML 6164 (022)

Dear Mr. Kirk,

Thank you for communicating with us regarding the plans being developed by CVAG for the above referenced transportation project that would provide a 49±-mile non-motorized, multi-modal transportation project that extends from the City of Palm Springs to the City of Coachella. We have reviewed the proposed facility and its potential impacts on the City's Section 4(f) resources.

As defined by the U.S. Department of Transportation, Section 4(f) facilities are publicly owned parks, recreation areas, wildlife or waterfowl refuges, or any publicly or privately owned historic site listed or eligible for listing on the National Register of Historic Places. A de minimis impact is one that will not adversely affect on the activities, features, or attributes. We have analyzed park and recreational lands, wildlife and waterfowl refuges, and historic sites within our jurisdiction. Section 4(f) applies to projects that receive funding from or require approval by an agency of the U.S Department of Transportation.

The CV Link western termini are at Highway 111 (North Palm Canyon Drive) in northern Palm Springs (the Palm Springs Visitor Center at Tramway Road – access point for the Aerial Tram) and at Belardo Road in central Palm Springs (providing access to Downtown Palm Springs and the Tahquitz Canyon Visitor Center). An extension of the CV Link is proposed for Desert Highland Park. The CV Link will incorporate and expand the Tahquitz Creek Trail between South Palm Canyon Drive and Sunrise Way. The route will run through Demuth Park enhancing existing pathways. The Jenkins Trail, which is managed by the City will also be incorporated. Another resource located within a half mile of the proposed route is Sunrise Park. There are identified historic sites in proximity to the site that include habitation debris and an occupation area along with historic pipeline and foundations. These resources are not in the project area nor will they be impacted.

Based upon our review of the Section 4(f) facilities in the project area and the potential impacts of the proposed CV Link, as Assistant City Manager with responsibility for these facilities, I have concluded that the CV Link project will not adversely affect any of the City's parks, bike paths or other recreational activities, features, facilities, attributes or historic resources that qualify for protection under Section 4(f).

The CV Link will enhance connectivity between major employment, residential, recreational, and institutional centers throughout the City, while facilitating and promoting the use of alternative modes of transportation, including foot traffic, bicycles, low-speed electric vehicles (LSEVs), including golf carts, and wheelchairs, without compromising Section 4(f) resources or facilities. CV Link is expected to have a de minimis impact on the City's 4(f) resources and does not require additional analysis to determine if avoidance alternatives are feasible or prudent.

If you have any questions, please feel free to contact me at (760) 322-8380, or by e-mail at Marcus.Fuller@palmspringsca.gov.

Sincerely,

Marcus L. Fuller, MPA, PE, PLS
Assistant City Manager/City Engineer

cc: Flinn Fagg, Director of Planning Services
file

Cathedral City
Community Development

August 25, 2016

Mr. Dennis Woods
Director of Transportation
Coachella Valley Association of Governments (CVAG)
73-710 Fred Waring Drive
Palm Desert, CA 92260

RE: Section 4(f) De Minimus Impact Finding for the CV Link- Federal Project Number CML 6164 (022)

Dear Mr. Woods:

Thank you for communicating with us regarding the plans being developed for the above referenced transportation project. As you know, CV Link is proposed as a ±48-mile non-motorized, multi-modal transportation path network that extends from the City of Palm Springs to the City of Coachella. The pathway route largely follows, and is to be built upon, the levees of the region's principal watercourses, including Chino Wash, Tahquitz Creek, and the Whitewater River Stormwater Channel/Coachella Valley Stormwater Channel. In some locations, the pathway shares right-of-way with roads and provides direct access to key commercial districts and recreational and institutional venues. The CV Link will enhance connectivity between major employment, residential, recreational, and institutional centers throughout the valley, while facilitating and promoting the use of alternative modes of transportation, including foot traffic, bicycles, neighborhood electric vehicles (NEVs), golf carts, and wheelchairs.

The consideration of park and recreational lands, wildlife and waterfowl refuges, and historic sites in transportation project development is established in Section 4(f) of the U.S. Department of Transportation. Section 4(f) applies to projects that receive funding from or require approval by an agency of the U.S Department of Transportation. Section 4(f) facilities are publicly owned parks, recreation areas, and wildlife or waterfowl refuges, or any publicly or privately owned historic site listed or eligible for listing on the National Register of Historic Places. A *de minimis* impact is one that will not have an adverse effect on the activities, features, or attributes of the property. The CV Link is expected to create a *de minimis* impact determination does not require analysis to determine if avoidance alternative are feasible and prudent, but consideration of avoidance, minimization, mitigation or enhancement measures should occur.

The CV Link will incorporate the proposed Whitewater River Bike Path between Vista Chino and Ramon Road. The Second Street Park is located within a half-mile of the proposed route. Both of these resources will not be negatively affected. Based upon our

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review of the Section 4(f) facilities in the project area and the potential impacts of the proposed CV Link, the Community Development Department, which has responsibility for these facilities, concludes that the proposed project will not adversely affect any of the City s bike path/trail or other recreational activities, features, facilities or attributes that qualify for protection under Section 4(f).

If you have any questions regarding the above conclusions please do not hesitate to contact me.

Sincerely,

Patrick Milos
Community Development Director

C.C: Robert Rodriguez
John A. Corella
Bill Simons

CITY OF RANCHO MIRAGE ©

October 6, 2016

Mr. John Criste, President
Terra Nova Planning & Research, Inc.
42635 Melanie Place, Suite 101
Palm Desert, CA 92211

Re: Request for FHWA 4(f) Compliance Letter

Dear Mr. Criste:

Thank you for meeting with us on September 26th to discuss the Coachella Valley Association of Governments (CVAG) requested FHWA 4(f) consultation for the CV Link; a Regional Road Improvement Project. We understand that the regulations require coordination with local official(s) with jurisdiction over the following situations prior to Section 4(f) approval (recognizing that additional coordination may be required under other statutes or regulations):

- Prior to making approvals, (23 CFR 774.3(a));
- Determining least overall harm, (23 CFR 774.3(c));
- Applying certain programmatic Section 4(f) evaluations, (23 CFR 774.5(c));
- Applying Section 4(f) to properties that are subject to Federal encumbrances, (23 CFR 774.5(d));
- Applying Section 4(f) to archeological sites discovered during construction, (23 CFR 774.9(e));
- Determining if a property is significant, (23 CFR 774.11(c));
- Determining application to multiple-use properties, (23 CFR 774.11(d));
- Determining applicability of Section 4(f) to historic sites, (23 CFR 774.11(e));
- Determining constructive use, (23 CFR 774.15(d));
- Determining if proximity impacts will be mitigated to equivalent or better condition, (23 CFR 774.15(f)(6)); and
- Evaluating the reasonableness of measures to minimize harm, (23 CFR 774.3(a)(2) and 774.17).

The regulations require written concurrence of the local official(s) with jurisdiction in the following situations:

ADMINISTRATION Tel. 1.760.324.4511 Fax. 1.760.324.8830
DEVELOPMENT SERVICES Tel. 1.760.324.4511 Fax. 1.760.202.4792
FINANCE Tel. 1.760.770.3207 Fax. 1.760.324.0528
HOUSING Tel. 1.760.770.3210 Fax. 1.760.324.1617
PUBLIC LIBRARY Tel. 1.760.341.7323 Fax. 1.760.341.5213
PUBLIC WORKS Tel. 1.760.770.3224 Fax. 1.760.770.3261

69-825 HIGHWAY 111 / RANCHO MIRAGE, CA 92270

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- Finding there are no adverse effects prior to making *de minimis* impact findings, (23 CFR 774.5(b));
- Applying the exception for temporary occupancies, (23 CFR 774.13(d)); and
- Applying the exception for transportation enhancement activities and mitigation activities, (23 CFR 774.13(g))

In order for us to provide thoughtful analysis and meaningful responses, Section 4(f) properties should be identified as early as practicable in the planning and project development process in order that complete avoidance of the protected resources can be given full and fair consideration (*See* 23 CFR 774.9(a)). Apart from the City's stated positions on the Regional Road Improvement Project, we are of the strong opinion that it is premature to provide any response to potential impacts on City 4(f) resources until such a time that the following information is provided to us for review and comment:

- Environmental Impact Report/Environmental Impact Statement;
- Copy of the Urban Crossroads Pedestrian Study;
- Identification of specific alignment and alternative alignments;
- Map(s) showing the location of terminus closest to eastern and western borders of Rancho Mirage and alternative termini locations;
- Map(s) showing the location of Section 4(f) facilities in the City of Rancho Mirage and individual Section 4(f) evaluations for each site;
- Analysis of how and what type (mode) of trips and their distribution from each terminus adjacent to the Rancho Mirage City Limits needs to be reviewed by the City in relation to safety and operational problems around and between 4(f) facilities. It is unlikely that users of the proposed Major Roadway Project will immediately turn around and return to the direction from which they came; there is a greater likelihood that the users of the facility will continue through the City of Rancho Mirage. The different modes of transportation continuing through the City need to be analyzed in relation to their impact on 4(f) facilities in terms of overall safety and compatibility of use.
- Individual City 4(f) facilities need to be identified and analyzed. The proposed project must analyze Section 4(f) property in Rancho Mirage between the two termini where it is reasonably likely that the new transportation project will have an impact. Measures need to be identified to minimize harm to the Section 4(f) property resulting from the proposed transportation use. Findings need to be reviewed. The City is especially concerned about safety and vehicular conflicts around and between the termini on either side of the City.
- Without the information requested in this letter, it is not possible to determine whether or not a constructive use occurs.

  A constructive use occurs when the proximity impacts of a proposed project adjacent to, or nearby, a Section 4(f) property result in substantial impairment to

the property's activities, features, or attributes that qualify the property for protection under Section 4(f). As a general matter this means that the value of the resource, in terms of its Section 4(f) purpose and significance, will be meaningfully reduced or lost. The types of impacts that may qualify as constructive use, such as increased noise levels that would substantially interfere with the use of a noise sensitive feature such as an outdoor amphitheater or public library children's reading area, are addressed in 23 CFR 774.15.

- The social, economic and environmental impacts and in some instances disruption to established communities may occur in close proximity to and between the two termini, through the City of Rancho Mirage and around 4(f) facilities. An analysis to this effect should be provided.
- Analysis should be provided that identifies additional construction, maintenance, or operational costs to the City in vicinity of the alternative terminus locations on the borders of the City and around each 4(f) facility.
- Information and analysis needs to be provided regarding the Neighborhood Electric Vehicle (NEV) component of the plan in relation to Rancho Mirage's prohibition of said vehicles on certain roadways in the City. How is notification provided that the vehicles are prohibited in Rancho Mirage? How is the financial and personnel impact on additional law enforcement mitigated by this project? How are safety issues addressed at each termini and around the end of the segments?

In summary, additional information is necessary in order for us to provide meaningful comments on the proposed Regional Roadway Improvement Project. Without this information it is impossible to ascertain whether individual impacts are minor, or when viewed cumulatively may cause unique problems or impacts of extraordinary magnitude. If a Section 4(f) approval is legally challenged, the project file will be the basis of the administrative record that must be filed in the court for review.

We look forward to receiving the requested information for our review and comment. If you have any questions, please do not hesitate to call me at (760) 770-3224 or Bud Kopp, AICP, Planning Manager at (760) 328-2266.

Sincerely,

Mark W. Sambito, P.E.
Director of Public Works

CITY OF PALM DESERT

73-510 Fred Waring Drive
Palm Desert, California 92260-2578
tel: 760 346-0611
info@cityofpalmdesert.org

November 2, 2016

Mr. Tom Kirk
Executive Director
Coachella Valley Association of Governments
73-710 Fred Waring Drive
Palm Desert, CA 92260

RE: Section 4(f) De Minimis Impact Finding for the CV Link- Federal Project Number CML 6164 (022)

Dear Mr. Kirk:

We have reviewed the proposed CV Link facility and its potential impacts on the City's Section 4(f) resources. We understand that, as defined by the U.S. Department of Transportation, Section 4(f) facilities are publicly owned parks, recreation areas, wildlife or waterfowl refuges, or any publicly or privately owned historic site listed or eligible for listing on the National Register of Historic Places. Section 4(f) also applies to projects that receive funding from or require approval by an agency of the U.S Department of Transportation. A *de minimis* impact is one that will not have an adverse effect on the activities, features, or attributes of these resources.

It is understood that CV Link alignments in the City may include segments within San Pablo Avenue and adjacent to Civic Center Park. An access point is also planned along San Pablo Avenue. In addition to the Civic Center Park, the other City Section 4(f) resource in the project area is Palm Desert Community Park on Magnesia Falls Drive. CV Link plans call for on-street facilities on the north and south sides of this street.

Based upon our review of the proposed CV Link alignments, the Section 4(f) facilities in the project area, and the potential impacts of the proposed CV Link, the City's Public Works Department, which has management responsibility for these facilities, concludes that the proposed project will not adversely affect any of the City's Civic Center Park or other recreational activities, features, facilities or attributes that qualify for protection under Section 4(f).

In summary, we have analyzed our park and recreational lands, wildlife and waterfowl refuges, and historic sites within our jurisdiction and their relationship to the proposed CV Link alignments. The CV Link is expected to have a *de minimis* impact on these resources and does not require analysis to determine where avoidance alternatives are feasible and prudent.

If you have any questions please do not hesitate to contact me.

Mark Greenwood, P.E.
Director of Public Works

RECEIVED
NOV 04 2016
CVAG / CVCC
PALM DESERT, CA

Thursday, May 11, 2017 at 11:06:43 AM Pacific Daylight Time

Subject: FW: CV Link - Section 4(f) Letter Request
Date: Monday, May 1, 2017 at 2:43:04 PM Pacific Daylight Time
From: Pilar Lopez
To: Kelly Clark

From: LeGrand Velez <lvelez@cvag.org>
Date: Wednesday, September 28, 2016 at 4:29 PM
To: "jcriste@terranovaplanning.com" <jcriste@terranovaplanning.com>, "plopez@terranovaplanning.com" <plopez@terranovaplanning.com>
Subject: FW: CV Link - Section 4(f) Letter Request

Hello John and Pilar –

This is the email and letter I sent to Ken at IW, as a second attempt to get a response.

Have you reached out to RM yet? Please make this a priority so I can do due diligence follow up if they do not respond.

Thanks -

LeGrand Velez
Transportation Program Manager
CVAG
760.346.1127

From: LeGrand Velez
Sent: Wednesday, September 28, 2016 4:27 PM
To: 'Ken Seumalo' <kseumalo@indianwells.com>
Subject: FW: CV Link - Section 4(f) Letter Request

Hello Ken –

I hope this message finds you well. I am writing to request that you sign the attached letter, or a similar one modified to your liking, concurring that CV Link is unlikely to adversely affect the IW golf course. I want to confirm that CV Link will not and cannot be constructed in Indian Wells without the approval and support of the City. In fact, our environmental documents include an alternative that excludes Indian Wells.

Don't hesitate to contact me with any questions or concerns that you may have. Please let me know if you are able to fulfill this request.

Thanks -

LeGrand Velez
Transportation Program Manager
CVAG
760.346.1127

From: Pilar Lopez [mailto:plopez@terranovaplanning.com]
Sent: Thursday, August 25, 2016 11:41 AM
To: kseumalo@indianwells.com
Subject: CV Link - Section 4(f) Letter Request

Good Morning Ken,

As I mentioned on the phone, I am writing on behalf of the Coachella Valley Association of Governments (CVAG) to further update you on the CV Link project and to ask your help in meeting our consultation requirements. Terra Nova has been retained by CVAG to conduct environmental analysis and to help secure permitting for the CV Link multi-modal transportation project, portions of which pass through Indian Wells.

We are coordinating the impact determination to Section 4(f) facilities, which include publicly owned parks, recreation areas, and wildlife or waterfowl refuges, or any publicly or privately historic sites listed or eligible for listing on the National Register of Historic Places as defined by the U.S. Dept. of Transportation.

We are hopeful that a "de minimus" determination can be made and that is the subject of this request. We have conducted an assessment of Section 4(f) resources in your community and feel that a de minimus impact finding can be made. A de minimus finding means that the proposed project will not have an adverse effect on the activities, features, or attributes or historic resources of the property.

We have drafted a letter for your review and consideration, which satisfies the requirements of applicable regulations. Once you have reviewed and approved the letter we ask that it be placed on your letterhead, signed and sent back to us so that we may complete the Section 4(f) process for the CV Link project. Although we understand if the City has reservations to signing the letter.

Please contact me if you have additional questions or if I may be of further assistance.

Thank you!

Pilar J. Lopez

TERRA NOVA PLANNING & RESEARCH, INC.®
42635 Melanie Place, Ste 101
Palm Desert, CA, 92211
Phone: 760.341.4800 **Fax:** 760.341.4455
Email: plopez@terranovaplanning.com

City of La Quinta

August 25, 2016

Mr. Dennis Woods, Director of Transportation
Coachella Valley Association of Governments
73-710 Fred Waring Drive
Palm Desert, CA 92260

RE: Section 4(f) De Minimus Impact Finding for the
CV Link- Federal Project Number CML 6164 (022)

Dear Mr. Woods:

Thank you for communicating with us regarding the plans being developed for the above referenced transportation project. As you know, CV Link is proposed as a ±49-mile non-motorized, multi-modal transportation path network that extends from the City of Palm Springs to the City of Coachella. The pathway route largely follows, and is to be built upon, the levees of the region's principal watercourses, including Chino Wash, Tahquitz Creek, and the Whitewater River Stormwater Channel/Coachella Valley Stormwater Channel. In some locations, the pathway shares right-of-way with roads and provides direct access to key commercial districts and recreational and institutional venues. The CV Link will enhance connectivity between major employment, residential, recreational, and institutional centers throughout the valley, while facilitating and promoting the use of alternative modes of transportation, including foot traffic, bicycles, neighborhood electric vehicles (NEVs), golf carts, and wheelchairs.

The consideration of park and recreational lands, wildlife and waterfowl refuges, and historic sites in transportation project development is established in Section 4(f) of the U.S. Department of Transportation. Section 4(f) applies to projects that receive funding from or require approval by an agency of the U.S Department of Transportation. Section 4(f) facilities are publicly owned parks, recreation areas, and wildlife or waterfowl refuges, or any publicly or privately owned historic sites listed or eligible for listing on the National Register of Historic Places. A de minimis impact is one that will not have an adverse effect on the activities, features, or attributes of the property. The CV Link is expected to create a de minimis impact determination and does not require analysis to determine if avoidance alternative are feasible and prudent, but consideration of avoidance, minimization, mitigation or enhancement measures should occur.

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A collection of lithic and ceramic scatter was identified in proximity of the project area but will not be disturbed. The CV Link will not traverse any properties that are classified as Section 4(f) facilities in the city limits, but the Pioneer Park and the La Quinta Park are located within a half-mile radius. Even so, these resources will not be negatively impacted. For this reason, the City's Facilities Department, which has responsibility for these facilities in the project area concludes that the proposed project will not adversely affect any of the City's recreational activities, features, facilities or attributes that qualify for protection under Section 4(f).

If you have any questions regarding the above conclusions, please do not hesitate to contact me.

Sincerely,

Timothy R. Jonasson
Design and Development Director/City Engineer

November 3, 2016

Mr. Tom Kirk
Executive Director
Coachella Valley Association of Governments (CVAG)
73-710 Fred Waring Drive
Palm Desert, CA 92260

RE: Section 4(f) De Minimis Impact Finding for the CV Link- Federal Project Number CML 6164 (022)

Dear Mr. Kirk:

Thank you for communicating with us regarding the plans being developed by CVAG for the above referenced transportation project that would provide a 49±-mile non-motorized, multi-modal transportation project that extends from the City of Palm Springs to the City of Coachella. We have reviewed the proposed facility and its potential impacts on the City's Section 4(f) resources.

As defined by the U.S. Department of Transportation, Section 4(f) facilities are publicly owned parks, recreation areas, wildlife or waterfowl refuges, or any publicly or privately owned historic site listed or eligible for listing on the National Register of Historic Places. A *de minimis* impact is one that will not adversely affect the activities, features, or attributes. We have analyzed the City's park system. Section 4(f) applies to projects that receive funding from or require approval by an agency of the U.S Department of Transportation.

The CV Link will connect to North Jackson Park, which is considered a Section 4(f) facility. The connection will not adversely affect the activities, features, or attributes of the park. Other 4(f) resources located within a half-mile of the proposed route are the Yucca Park and the Cahuilla Park. Just outside of the half-mile radius are the George S. Patton Park and the Golf Center Parkway Dog Park. Based upon our review of the Section 4(f) facilities in the project area and the potential impact of the proposed CV Link, the City's Public Works Department, which has responsibility for these facilities concludes that the proposed project will not adversely affect any of the City's recreational activities, features, facilities, or attributes that qualify as 4(f) resources. The CV Link will enhance connectivity between major employment, residential, recreational, and institutional centers throughout the City, while facilitating and promoting the use of alternative modes of transportation, including foot traffic, bicycles, low-speed electric vehicles (LSEVs), including golf carts, and wheelchairs, without compromising Section 4(f) resources or facilities. CV Link is expected to have a *de minimis* impact on the City's 4(f) resources and does not require additional analysis to determine if avoidance alternatives are feasible or prudent.

If you have any questions regarding the above conclusions please do not hesitate to contact me.

Sincerely,

Timothy T. Wassil, PE
Public Works Director

cc: Les Johnson, City of Indio
Juan Raya, City of Indio
Paul Stalma, City of Indio

CITY OF COACHELLA
1515 SIXTH STREET, COACHELLA, CALIFORNIA 92236
PHONE (760) 398-3502 • FAX (760) 398-5117 • WWW.COACHELLA.ORG

September 20, 2016

Mr. Martin Magana
Director of Transportation
Coachella Valley Association of Governments (CVAG)
73-710 Fred Waring Drive
Palm Desert, CA 92260

RE: Section 4(f) De Minimus Impact Finding for the CV Link- Federal Project Number CML 6164 (022)

Dear Mr. Magana:

Thank you for communicating with us regarding the plans being developed for the above referenced transportation project. As you know, CV Link is proposed as a ±49-mile non-motorized, multi-modal transportation path network that extends from the City of Palm Springs to the City of Coachella. The pathway route largely follows, and is to be built upon, the levees of the region's principal watercourses, including Chino Wash, Tahquitz Creek, and the Whitewater River Stormwater Channel/Coachella Valley Stormwater Channel. In some locations, the pathway shares right-of-way with roads and provides direct access to key commercial districts and recreational and institutional venues. The CV Link will enhance connectivity between major employment, residential, recreational, and institutional centers throughout the valley, while facilitating and promoting the use of alternative modes of transportation, including foot traffic, bicycles, neighborhood electric vehicles (NEVs), golf carts, and wheelchairs.

The consideration of park and recreational lands, wildlife and waterfowl refuges, and historic sites in transportation project development in established in Section 4(f) of the U.S. Department of Transportation. Section 4(f) applies to projects that receive funding from or require approval by an agency of the U.S Department of Transportation. Section 4(f) facilities are publicly owned parks, recreation areas, and wildlife or waterfowl refuges, or any publicly or privately owned historic site listed or eligible for listing on the National Register of Historic Places. A *de minimis* impact is one that will not adverse affect on the activities, features, or attributes of the property. The CV Link is expected to create a *de minimis* impact determination does not require analysis to determine if avoidance alternative are feasible and prudent, but consideration of avoidance, minimization, mitigation or enhancement measures should occur.

The proposed route will also traverse alongside the Sierra Vista Park without creating adverse impacts. Based upon our review of the Section 4(f) facilities and the potential impacts of the proposed CV Link, the City's Public Works Department, which has responsibility for these facilities, concludes that the proposed project will not adversely affect any of the City's bike paths or other recreational activities, features, facilities or attributes that qualify for protection under Section 4(f).

If you have any questions regarding the above conclusions please do not hesitate to contact me.

Sincerely,

Maritza Martinez, Public Works Director
Public Works Department

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PALM SPRINGS UNIFIED SCHOOL DISTRICT

980 EAST TAHQUITZ CANYON WAY
PALM SPRINGS, CALIFORNIA 92262-0119
(760) 416-6000

Sandra Lyon, Superintendent of Schools

BOARD OF EDUCATION: SHARI STEWART, *President* – JOHN GERARDI, *Clerk*
RICHARD CLAPP, *Member* – KAREN CORNETT, *Member* – JAMES WILLIAMSON, *Member*

October 13, 2016

Mr. Dennis Woods
Director of Transportation
Coachella Valley Association of Governments (CVAG)
73-710 Fred Waring Drive
Palm Desert, CA 92260

RE: Section 4(f) De Minimus Impact Finding for the CV Link – Federal Project Number CML 6164 (022)

Dear Mr. Woods:

Thank you for communicating with Palm Springs Unified School District (PSUSD) staff regarding the plans being developed for the CV Link transportation project. The proposed route appears to be located within a half-mile radius of the following PSUSD schools: Cahuilla Elementary, Cielo Vista Elementary, Landau Elementary, Agua Caliente Elementary, Cathedral City Elementary, Rancho Mirage Elementary, Mount San Jacinto Continuation High, and Palm Springs High School. PSUSD does not provide public access to the recreational areas.

Based upon review by facilities staff of the Section 4(f) facilities and the potential impacts of the proposed CV Link, the Facilities Planning and Development department staff concludes that the proposed project will not adversely affect any of the PSUSD's recreational activities, features, facilities or attributes that qualify for protection under Section 4(f) De Minimus Impact Finding for the CV Link – Federal Project Number CML6164 (022).

If you have any questions regarding the above conclusions please do not hesitate to contact me.

Sincerely,

Julie Arthur
Executive Director
Facilities Planning and Development

JA:dd

Desert Sands Unified School District
47-950 Dune Palms Road • La Quinta, California 92253 • (760) 777-4200 • FAX: (760) 771-8505
BOARD OF EDUCATION: Michael Duran, Donald B. Griffith, Wendy Jonathan, Mateo Montes III, Gary Tomas
SUPERINTENDENT: Dr. Gary Rutherford

BUSINESS SERVICES

September 28, 2016

Mr. Tom Kirk
Executive Director
Coachella Valley Association of Governments (CVAG)
73-710 Fred Waring Drive
Palm Desert, CA 92260

RE: Section 4(f) De Minimis Impact Finding for the CV Link- Federal Project Number CML 6164 (022)

Dear Mr. Kirk:

Thank you for communicating with us regarding the plans being developed for the above referenced CV Link transportation project. We understand that CV Link is proposed as a ±49-mile non-motorized, multi-modal transportation path network to extend from the City of Palm Springs to the City of Coachella and the community of Thermal. We also understand that the pathway route largely follows, and is to be built upon, the levees of the region's principal watercourses, including the Whitewater River Stormwater Channel/Coachella Valley Stormwater Channel. In some locations, the pathway shares right-of-way with roads. The purpose of CV Link is to enhance connectivity between major employment, residential, recreational, and institutional centers throughout the valley, while facilitating and promoting the use of alternative modes of transportation, including foot traffic, bicycles, neighborhood electric vehicles (NEVs), golf carts, and wheelchairs.

We understand that the CV Link transportation project must give consideration to parks and recreational lands, wildlife and waterfowl refuges, and historic sites as established in Section 4(f) policy of the U.S. Department of Transportation, which applies to projects that receive funding from or require approval by an agency of the U.S Department of Transportation. We also understand that a de minimis impact is one that will not have an adverse effect on the activities, features, or attributes of these 4(f) properties. The CV Link is expected to have a de minimis impact on our facilities and does not require further analysis to determine if avoidance alternatives are feasible and prudent, but consideration should be given to avoidance, minimization, mitigation or enhancement measures.

Specific to DSUSD facilities, we understand that CV Link will run alongside the north boundary of Palm Desert High and Abraham Lincoln Elementary/Palm Desert Middle School campus. The Palm Desert High

School campus is closed to the public. The District does a joint-use agreement with the City of Palm Desert to utilize the Palm Desert Community Park for student recreational use. Though CV Link users could also utilize the park, our campuses are secured and closed to the public, with campus access highly controlled. The CV Link will create no impact to these schools located adjacent to the CV Link route.

The following schools are also in proximity to the proposed route: La Quinta High, Dwight Eisenhower Elementary, Andrew Jackson Elementary, and Amistad Continuation High schools. All of these campuses are closed to the public, and CV Link user will not have access to or be able to use the District's recreational resources at these campuses. Based upon our review of the Section 4(f) facilities and the potential impacts of the proposed CV Link, the Business Services Department of DSUSD, which has the responsibility for these facilities, concludes that the proposed project will not adversely affect any of the District's recreational activities, features, facilities or attributes that qualify for protection under Section 4(f).

Thank you for the opportunity to review CV Link plans and their possible effect on our facilities. If you have any questions regarding the above conclusions please do not hesitate to contact me.

Sincerely,

James Novak, Ed.D.
Assistant Superintendent
Business Services

Mary Jane Sanchez-Fulton
Chair, Board of Trustees

Aurora Wilson
Vice Chair

Becky Broughton
Clerk

Bonnie Stelan, Ed.D.
Member

Fred E. Jandt, Ph.D.
Member

Isiah Estrada
Student Trustee

Joel L. Kinnamon, Ed.D.
Superintendent/President

COLLEGE of the DESERT

October 3, 2016

Mr. Tom Kirk
Executive Director
Coachella Valley Association of Governments
73-710 Fred Waring Drive
Palm Desert, CA 92260

RE: FHWA Section 4(f) De Minimis Impact Finding for the CV Link- Federal Project Number CML 6164 (022)

Dear Mr. Kirk:

Thank you for communicating with us regarding the plans being developed for the above referenced transportation project. We understand that CVAG proposes to construct the CV Link multi-modal transportation facility along a ±49-mile route that will extend from the City of Palm Springs to the City of Coachella.

We understand that the CV Link facility will serve alternative modes of transportation, including walking, bicycles, neighborhood electric vehicles (NEVs), golf carts, and other mobility devices. The pathway route largely follows and would be built upon, the levees of the region's principal watercourses. In some locations, the pathway would share right-of-way with roads and other pathways, providing direct access to key destinations, including the College of the Desert's Palm Desert campus.

We understand that as a part of compliance with Federal Highway Administration (FHWA) Section 4(f) Policy (U.S. Department of Transportation Act of 1966), consideration must be given to park and recreational lands, wildlife and waterfowl refuges, and historic sites, or those eligible for listing on the National Register of Historic Places that could be affected by this project.

Based upon our consideration of Section 4(f) facilities on our Palm Desert campus and their activities, features, and attributes, we feel that the project would have a de minimis impact on these resources. The CV Link does not require analysis of these resources to determine if avoidance alternatives are feasible and prudent, but consideration of avoidance, minimization, mitigation or enhancement measures should be given wherever appropriate.

I hope this letter adequately addresses the matter of potential impacts to the College's Section 4(f) resources. If you have any questions regarding the above conclusions, please do not hesitate to contact me.

Sincerely,

Lisa Howell
Vice President, Administrative Services

43500 Monterey Ave., Palm Desert, CA 92260 • 760.346.8041 • collegeofthedesert.edu

Coachella Valley Unified School District

P.O. Box 847 • Thermal, CA 92274
760.399.5137 • FAX 760.399.1052
www.cvusd.us

November 2, 2016

Mr. Tom Kirk
Director of Transportation
Coachella Valley Association of Governments (CVAG)
73-710 Fred Waring Drive
Palm Desert, CA 92260

RE: Section 4(f) De Minimis Impact Finding for the CV Link, Federal Project Number CML 6164 (022)

Dear Mr. Kirk:

Thank you for communicating with us regarding the plans being developed for the above referenced CV Link transportation project. We understand that CV Link is proposed as a ±49-mile non-motorized, multi-modal transportation path network to extend from the City of Palm Springs to the City of Coachella and the community of Thermal. We also understand that the pathway route largely follows, and is to be built upon, the levees of the region's principal watercourses, including the Whitewater River Stormwater Channel/Coachella Valley Stormwater Channel. In some locations, the pathway shares right-of-way with roads. The purpose of CV Link is to enhance connectivity between major employment, residential, recreational, and institutional centers throughout the valley, while facilitating and promoting the use of alternative modes of transportation, including foot traffic, bicycles, neighborhood electric vehicles (NEVs), golf carts, and wheelchairs.

We understand that the CV Link transportation project must give consideration to parks and recreational lands, wildlife and waterfowl refuges, and historic sites as established in Section 4(f) policy of the U.S. Department of Transportation, which applies to projects that receive funding from or require approval by an agency of the U.S Department of Transportation. We also understand that a *de minimis* impact is one that will not have an adverse effect on the activities, features, or attributes of these 4(f) properties. The CV Link is expected to have a *de minimis* impact on our facilities and does not require further analysis to determine if avoidance alternatives are feasible and prudent, but consideration should be given to avoidance, minimization, mitigation or enhancement measures.

The proposed route will be built within a half-mile radius of the following Coachella Valley Unified School District (CVUSD) schools: Valle del Sol Elementary, John Kelley Elementary, La Familia Continuation High, and the CVUSD administration offices. A facility request form will have to be approved for a CV Link user to use the CVUSD facilities. For this reason, the CV Link will not adversely affect our schools' facilities; instead it will provide an alternative form of transportation for students and staff.

Based upon our review of the Section 4(f) facilities and the potential impacts of the proposed CV Link, the District's Facilities Department, which has responsibility for these facilities, concludes that the proposed project will not adversely affect any of the District's recreational activities, features, facilities or attributes that qualify for protection under Section 4(f).

If you have any questions regarding the above conclusions, please do not hesitate to contact me.

Sincerely,

Gregory J. Fromm,
Assistant Superintendent, Business and Finance

cc: Elsa Esqueda, Director of Facilities

Appendix B. Title VI Policy Statement

CV Link

Draft Environmental Assessment

December 2017

DEPARTMENT OF TRANSPORTATION
OFFICE OF THE DIRECTOR
P.O. BOX 942873, MS-49
SACRAMENTO, CA 94273-0001
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FAX (916) 654-6608
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March 2013

NON-DISCRIMINATION POLICY STATEMENT

The California Department of Transportation, under Title VI of the Civil Rights Act of 1964 and related statutes, ensures that no person in the State of California shall, on the grounds of race, color, national origin, sex, disability, religion, sexual orientation, or age, be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination under any program or activity it administers.

For information or guidance on how to file a complaint based on the grounds of race, color, national origin, sex, disability, religion, sexual orientation, or age, please visit the following web page: http://www.dot.ca.gov/hq/bep/title_vi/t6_violated.htm.

Additionally, if you need this information in an alternate format, such as in Braille or in a language other than English, please contact the California Department of Transportation, Office of Business and Economic Opportunity, 1823 14th Street, MS-79, Sacramento, CA 95811. Telephone: (916) 324-0449, TTY: 711, or via Fax: (916) 324-1949.

MALCOLM DOUGHERTY
Director

Appendix C. Avoidance, Minimization, and/or Mitigation Measures Summary

CV Link

Draft Environmental Assessment

December 2017

Summary of Avoidance, Minimization or Mitigation Measures	Responsible Party	Timing /Phase	Action/Criteria to Comply with Task	Compliance Checked By	Date
Visual/Aesthetics					
Mitigation Measures					
VA-1: Construction staging areas shall be screened from public view. The screening will consist of a perimeter chain-link fence with a windscreen, which will also provide a view screen. When staging areas' use is complete, the land shall be restored to its original condition.	CVAG, Project Contractor	Prior to issuance of grading plans	Project staff shall review and approve the relevant portion of the project screening plan.		
VA-2: Lighting plans shall demonstrate that lighting from all fixtures will not extend beyond the edge of the project area. Any lighting fixture proposed above the path shall be fully shielded.	CVAG, Project Contractor	Prior to issuance of grading plans	Project staff shall review and approve the relevant portion of the project lighting plan.		
VA-3 Landscaping plans will be developed by a Landscape Architect to screen walls and structures, and enhance privacy, by using drought tolerant desert trees /shrubs; they will focus on using native species where-ever possible, particularly adjacent to the floodway channels. No invasive species will be planted.	CVAG, Project Contractor	Prior to issuance of grading plans	Project staff shall review and approve the relevant portion of the project landscape plan.		
VA-4 Irrigation for plantings will be provided where appropriate and feasible. Irrigation systems will be installed at locations where appropriate, and reclaimed water will be used if it is available.	CVAG, Project Contractor	Prior to issuance of grading plans	Project staff shall review and approve the relevant portion of the project irrigation plan.		
VA-5 A suitable plant establishment period (i.e., one-year) will ensure low mortality of plantings; landscape workers will maintain, care for, weed and ensure watering of plantings.	CVAG, Project Contractor	Prior to issuance of grading plans	Project staff shall review and approve plant mortality		

Minimization Measures					
VA-A. Design element of the proposed CV Link facility, including but not limited to color, line, texture, and style will be aesthetically pleasing and as unobtrusive as possible. Special attention will be paid to bridges, shade structures, lighting, signage, screening and other vertical design elements and their relationships to all area viewers.	CVAG, Project designer	Prior to Approval of Final design plans	Approval of design elements.		
VA-B. All on-site electrical power lines shall be installed underground. Transformers and other power equipment shall be placed in underground vaults or unobtrusively above ground, as determined appropriate.	CVAG, Project designer	Prior to Approval of Final design plans	Approval of undergrounding plans.		
VA-C. Final site plan, architectural elevations, including building materials and colors, landscaping and lighting, and other design elements that affect the appearance of the surrounding viewsheds will be approved by the participating jurisdictions.	CVAG, Project designer, City Planning Departments	Prior to Approval of Final design plans	Approval of design elements.		

Summary of Avoidance, Minimization or Mitigation Measures	Responsible Party	Timing /Phase	Action/Criteria to Comply with Task	Compliance Checked By	Date
Air Quality					
Mitigation Measures					
AQ-1: To reduce particulate matter and NOx emissions construction equipment shall utilize aqueous diesel fuels, diesel particulate filters and diesel oxidation catalyst with a minimum 30% reduction rating during all construction activities for the proposed Alternative 1 projects, and minimum of 35% reduction rating during all construction activities for Alternative 2.	CVAG, Project Contractor	All phases of project construction	The project contractors/CVAG shall comply with and thoughtfully apply the minimization measures and standard regulations.		
AQ-2: SCAQMD Rule 403 (403.1 specific to the Coachella Valley): A dust control Plan shall be prepared and implemented by all contractors during all construction activities, including ground disturbance, grubbing, grading, and materials import and export. Said plan shall include but not be limited to the following best management practices: - Chemically treat soil where activity will cease for at least four consecutive days; - All construction grading operations and earth moving operations shall cease when winds exceed 25 miles per hour; - Water site and equipment morning and evening and during all earth-moving operations; - Operate street-sweepers on paved roads adjacent to site; - Establish and strictly enforce limits of grading for each phase of development; - Stabilize and re-vegetate areas of temporary disturbance needed to accomplish each phase of development. - Wash off trucks as they leave the project site as necessary to control fugitive dust emissions - Cover all transported loads of soils, wet materials prior to transport, provide freeboard (space from the top of the material to the top of the truck) to reduce PM10 and matter during transportation.	CVAG, Project Contractor	Prior to the issuance of authorization to proceed (BMPs) During all phases of project construction	The Project staff and its contractors shall review and approve project staging and detailed dust management plans. The dust control plan or equivalent documentation shall also address issues of construction vehicle staging and maintenance. Implementation of these mitigation measures will ensure that impacts associated with PM_{10} are mitigated to a less than significant level. (BMPs) The project contractors shall comply with and thoughtfully apply the minimization measures and standard regu lations listed		

Summary of Avoidance, Minimization or Mitigation Measures	Responsible Party	Timing /Phase	Action/Criteria to Comply with Task	Compliance Checked By	Date
□ Use track-out reduction measures such as gravel pads at project access points to minimize dust and mud deposits on roads affected by construction traffic.					
Biological Resources					
Natural Communities Mitigation Measures					
NC-1 CVAG may choose to pay the local development mitigation fee to mitigate for impacts, or use take permitted under the CVMSHCP for this purpose, to covered species and natural communities within the plan area, inside or outside of Conservation Areas. Project activities inside Conservation Areas are subject to the Joint Project Review process to determine consistency with plan goals and objectives.	CVAG	Prior to the issuance of authorization to proceed	Payment of the CVMSHCP local development mitigation fee or JPR approval letter for alternative measures.		
NC-2 CVAG shall comply with all terms and conditions of the CVMSHCP and Implementing Agreement including, but not limited to: 1) participation in the Joint Project Review Process with the Coachella Valley Conservation Commission for projects within conservation areas as described in Section 6.6.1.1 of the CVMSHCP, and 2) Implementation of the "Land Use Adjacency Guidelines" as described in Section 4.5 of the CVMSHCP for any portion of the proposed project that impact or are adjacent to the Whitewater Floodplain and Santa Rosa and San Jacinto Mountains Conservation Areas. Avoidance, Minimization and Mitigation Measures of the CVMSHCP "Land Use Adjacency Guidelines" include the following:	CVAG	Prior to the issuance of authorization to proceed	JPR approval letter.		

Summary of Avoidance, Minimization or Mitigation Measures	Responsible Party	Timing /Phase	Action/Criteria to Comply with Task	Compliance Checked By	Date
a. Drainage: Development of the proposed project adjacent to or within a conservation area shall incorporate plans to ensure that the quantity and quality of runoff discharged to the adjacent conservation area is not altered in an adverse way when compared with existing conditions. Storm water systems shall be designed to prevent the release of pollutants (e.g., toxins, chemicals, petroleum products, exotic plant materials) or other elements that might degrade or harm biological resources or ecosystem processes within the adjacent conservation area. b. Toxics: Development of the proposed project adjacent to or within a conservation area shall be required to incorporate measures to ensure that application of fertilizers, pesticides, herbicides or similar chemicals does not result in any discharge to the adjacent conservation area. c. Lighting: Lighting in areas adjacent to or located within conservation areas shall be shielded and directed away from the conservation area, toward developed areas. Landscape shielding or other appropriate methods shall be incorporated in project designs to minimize the effects of lighting adjacent to or within the adjacent conservation area in accordance with the guidelines included in the Implementation Manual. d. Noise: Noise generated by construction adjacent to or within a conservation area in excess of 75 dBA shall incorporate setbacks, berms, or walls, as appropriate, to minimize the effects of noise on the adjacent conservation area according to Implementation Manual guidelines.					

Summary of Avoidance, Minimization or Mitigation Measures	Responsible Party	Timing /Phase	Action/Criteria to Comply with Task	Compliance Checked By	Date
e. Invasives: Landscape plans shall be prepared for the Proposed Project. Landscape plans for areas that are located adjacent to or within a conservation area are prohibited from using invasive, non-native plant species in their design. Prohibited invasive ornamental plant species are listed in Table 4-113 of the CVMSHCP (Appendix E). The Coachella Valley native plant species listed in Table 4-112 of the CVMSHCP shall be incorporated into landscape design within or adjacent to conservation areas.					
NC-3 **Fencing/Signage** – As a means to protect the adjacent lands of the Whitewater Floodplain Conservation Area present on Segment 1 of the CV Link alignment, fencing and/or regularly placed signage shall be employed near the "top-of-slope" of the levee to prevent people and their pets (particularly dogs being walked by their owners) from straying off the designated CV Link path and into the adjacent natural habitat. Signage shall be placed intermittently along the entire CV Link alignment.	CVAG, Project Designer	Prior to Approval of Final construction plan set	Inclusion of signage and fencing in construction plan set.		
NC-4 **Pet Control** – Additional signage shall be placed intermittently along the entire CV Link alignment indicating that all dogs shall be required to be on a leash while traversing CV Link. Aside from preventing individual animals from entering native habitat, the benefits of such a mandate are numerous including facilitating personal safety for other users of the Link, preventing altercations with other dogs present on the path, and increased safety for the individual pet in question (i.e. preventing collisions with	CVAG, Project Designer	Prior to Approval of Final construction plan set	Inclusion of signage in construction plan set.		

	Summary of Avoidance, Minimization or Mitigation Measures	Responsible Party	Timing /Phase	Action/Criteria to Comply with Task	Compliance Checked By	Date
	bicyclists and LSEV users). In addition, disposal bins for pet waste shall also be provided throughout CV Link.					
NC-5	**Interpretive Signage** – Interpretive signs adjacent to areas of native habitat (such as the Whitewater Floodplain Preserve) shall illustrate and educate the public on some of the native wildlife, plant, or vegetation communities present adjacent to CV Link.	CVAG, Project Designer	Prior to Approval of Final construction plan set	Inclusion of signage in construction plan set.		
	Wetlands and Other Waters Mitigation Measures					
W-1	Prior to the initiation of any construction within areas determined by the Jurisdictional Delineation to be waters of the US, a permit or permits shall be approved and issued by the USACE under Section 404 of the CWA to authorize the discharge of dredged or fill material into waters of the US.	CVAG, USACE	Prior to any construction activity in waters of the US.	Approved permit.		
W-2	Prior to the initiation of any construction within areas determined by the Jurisdictional Delineation to be waters of the US or the State, a Water Quality Certification(s) shall be approved and issued by the Colorado River RWQCB (Region 7) under Section 401 of the CWA.	CVAG, RWQCB	Prior to any construction activity in waters of the State.	Approved permit.		
W-3	Prior to the initiation of any construction within areas determined by the Jurisdictional Delineation to be waters of the State, a permit or permits shall be approved and issued by the Colorado River RWQCB (Region 7) under the Porter Cologne Water Quality Control Act. The permit could be a Construction General Permit, State General Waste Discharge Order, or Waste Discharge Requirements, depending upon the level of impact and the properties of the waterway.	CVAG, RWQCB	Prior to any construction activity in waters of the State.	Approved permit.		

Summary of Avoidance, Minimization or Mitigation Measures		Responsible Party	Timing /Phase	Action/Criteria to Comply with Task	Compliance Checked By	Date
W-4	Prior to the initiation of any construction within areas determined by the Jurisdictional Delineation to be waters of the State, a 1602 Streambed Alteration Agreement shall be approved and issued by the California Department of Fish and Wildlife.	CVAG, CDFW	Prior to any construction activity in waters of the US.	Approved permit.		
Plant Species Minimization Measures						
PS-A	CVAG will be required to pay the land development/mitigation fee to offset potential impacts to covered plant species within the plan area for all areas outside of Conservation Areas.	CVAG	Prior to the issuance of authorization to proceed	Payment of the CVMSHCP local development mitigation fee.		
PS-B	Development of the Proposed Project Alternative adjacent to or within a shall incorporate plans to ensure that the quantity and quality of runoff discharged to the adjacent conservation area is not altered in an adverse way when compared with existing conditions. Storm water systems shall be designed to prevent the release of pollutants (e.g., toxins, chemicals, petroleum products, exotic plant materials) or other elements that might degrade or harm biological resources or ecosystem processes within the adjacent conservation area.	CVAG	Prior to Approval of Final construction plan set	Stormwater management plan.		
PS-C	Development of the Proposed Project Alternative adjacent to or within a shall be required to incorporate measures to ensure that application of fertilizers, pesticides, herbicides or similar chemicals does not result in any discharge to the adjacent conservation area.	CVAG, Project contractor and landscaping contractor	Prior to Approval of Plans and specifications	Pesticide management plan.		

Summary of Avoidance, Minimization or Mitigation Measures	Responsible Party	Timing /Phase	Action/Criteria to Comply with Task	Compliance Checked By	Date
PS-D Landscape plans for areas that are located adjacent to or within a conservation area are prohibited from using invasive, non-native plant species in their design. Prohibited invasive ornamental plant species are listed in Table 4-113 of the CVMSHCP (Appendix E). To the maximum extent feasible, Coachella Valley native plant species listed in Table 4-112 of the CVMSHCP will be incorporated into landscape design within or adjacent to conservation areas.	CVAG, Project contractor and landscaping contractor	Prior to Approval of Plans and specifications	Pesticide management plan.		
Animal Species Mitigation Measures					
AS-1 If ground disturbance, tree or plant removal is proposed between February 1st and August 31st, a qualified biologist shall conduct a nesting bird survey within 14 days of initiation of grading onsite focusing on MBTA covered species. If active nests are reported, then species-specific measures shall be prepared. At a minimum, grading in the vicinity of a nest shall be postponed till the young birds have fledged. For construction between September 1st and January 31th, no pre-removal nesting bird survey is required. a. In the event active nests are found, exclusionary fencing shall be placed 200 feet around the nest until such time as nestlings have fledged. Nests of raptors and burrowing owls shall be provided a 500-foot buffer.	CVAG, Project Contractor, Project Biologist	Prior to ground disturbance.	Submittal of nesting bird survey.		

Summary of Avoidance, Minimization or Mitigation Measures	Responsible Party	Timing /Phase	Action/Criteria to Comply with Task	Compliance Checked By	Date
AS-2 A "take avoidance survey" for the burrowing owl no less than 14 days (in accordance with the Staff Report on Burrowing Owl Mitigation [CDFW 2012]) and no more than 30 days (in accordance with CVWD's Operations and Maintenance Manual) prior to ground breaking activities may also be required within and outside of conservation areas that contain suitable habitat for this species. Additionally, a final survey must be conducted within 24 hours of the initiation of ground disturbance activities in accordance with the CDFW 2012 protocol. a. If no burrowing owls are detected during those surveys, implementation of ground disturbance activities could proceed without further consideration of this species assuming there is no lapse between the surveys and construction as the protocol states "time lapses between Project activities trigger subsequent take avoidance surveys including but not limited to a final survey conducted within 24 hours prior to ground disturbance." b. If burrowing owls are detected during the take avoidance surveys, avoidance and minimization measures would then be required and the need for mitigation for otherwise unavoidable impacts triggered.	CVAG, Project Contractor, Project Biologist	Prior to ground disturbance.	Submittal of burrowing owl survey.		
AS-3 CVAG will be required to pay the local development mitigation fee to mitigate for impacts to covered species and natural communities within the plan area, inside or	CVAG	Prior to the issuance of authorization to proceed	Payment of the CVMSHCP local development mitigation fee.		

Summary of Avoidance, Minimization or Mitigation Measures	Responsible Party	Timing /Phase	Action/Criteria to Comply with Task	Compliance Checked By	Date
outside of Conservation Areas. Project activities inside Conservation Areas are subject to the Joint Project Review process to determine consistency with plan goals and objectives.					
AS-4 CVAG shall comply with all terms and conditions of the CVMSHCP and Implementing Agreement including, but not limited to: 1) participation in the Joint Project Review Process with the Coachella Valley Conservation Commission for projects within conservation areas as described in Section 6.6.1.1 of the CVMSHCP, and 2) Implementation of the "Land Use Adjacency Guidelines" as described in Section 4.5 of the CVMSHCP for any portion of the proposed project that impact or are adjacent to the Whitewater Floodplain and Santa Rosa and San Jacinto Mountains Conservation Areas. Measures for the "Land Use Adjacency Guidelines" include: a. Drainage: Development of the Proposed Project Alternative adjacent to or within a conservation area shall incorporate plans to ensure that the quantity and quality of runoff discharged to the adjacent conservation area is not altered in an adverse way when compared with existing conditions. Storm water systems shall be designed to prevent the release of pollutants (e.g., toxins, chemicals, petroleum products, exotic plant materials) or other elements that might degrade or harm biological resources or ecosystem processes within the adjacent	CVAG, Project Biologist, Project Contractor	Prior to the issuance of authorization to proceed	The project contractors/CVAG shall comply with and thoughtfully apply the terms and conditions set forth by the CVMSHCP and Implementing Agreement. CVAG shall review applicable drainage, lighting, and noise abatement/minimization plans per guidance by the CVMSHCP.		

Summary of Avoidance, Minimization or Mitigation Measures	Responsible Party	Timing /Phase	Action/Criteria to Comply with Task	Compliance Checked By	Date
b. Toxics: Development of the Proposed Project adjacent to or within a conservation area shall be required to incorporate measures to ensure that application of fertilizers, pesticides, herbicides or similar chemicals does not result in any discharge to the adjacent conservation area. c. Lighting: Lighting in areas adjacent to or located within conservation areas shall be shielded and directed away from the conservation area, toward developed areas. Landscape shielding or other appropriate methods shall be incorporated in project designs to minimize the effects of lighting adjacent to or within the adjacent conservation area in accordance with the guidelines included in the Implementation Manual. d. Noise: Noise generated by construction adjacent to or within a conservation area in excess of 75 dBA shall incorporate setbacks, berms, or walls, as appropriate, to minimize the effects of noise on the adjacent conservation area according to Implementation Manual guidelines. e. Invasives: Landscape plans shall be prepared for the Proposed Project Alternative. Landscape plans for areas that are located adjacent to or within a conservation area are prohibited from using invasive, non-native plant species in their design. Prohibited invasive ornamental plant species are listed in Table 4-113 of the CVMSHCP (Appendix E). The Coachella Valley native plant species listed in Table 4-112 of the CVMSHCP shall be incorporated into landscape design within or adjacent to conservation areas.					

Summary of Avoidance, Minimization or Mitigation Measures	Responsible Party	Timing /Phase	Action/Criteria to Comply with Task	Compliance Checked By	Date
AS-5. **Fencing/Signage** – As a means to protect the adjacent lands of the Whitewater Floodplain Conservation Area present on Segment 1 of the CV Link alignment, fencing and/or regularly placed signage shall be employed near the "top-of-slope" of the levee to prevent people and their pets (particularly dogs being walked by their owners) from straying off the designated CV Link path and into the adjacent natural habitat. Signage shall be placed intermittently along the entire CV Link alignment.	CVAG, Project Biologist, Project Contractor	Prior to the issuance of authorization to proceed	The project contractors/CVAG shall comply with and thoughtfully apply the terms and conditions set forth by the CVMSHCP and Implementing Agreement.		
AS-6 **Pet Control** – Additional signage shall be placed intermittently along the entire CV Link alignment indicating that all dogs shall be required to be on a leash while traversing CV Link. Aside from preventing individual animals from entering native habitat, the benefits of such a mandate are numerous including facilitating personal safety for other users of the Link, preventing altercations with other dogs present on the path, and increased safety for the individual pet in question (i.e. preventing collisions with bicyclists and LSEV users). In addition, disposal bins for pet waste shall also be provided throughout CV Link.	CVAG, Project Biologist, Project Contractor	Prior to the issuance of authorization to proceed	The project contractors/CVAG shall comply with and thoughtfully apply the terms and conditions set forth by the CVMSHCP and Implementing Agreement.		
AS-7 **Interpretive Signage** – Interpretive signs adjacent to areas of native habitat (such as the Whitewater Floodplain Preserve) shall illustrate and educate the public on some of the native wildlife, plant, or vegetation communities present adjacent to CV Link.	CVAG, Project Biologist, Project Contractor	Prior to the issuance of authorization to proceed	The project contractors/CVAG shall comply with and thoughtfully apply the terms and conditions set forth by the CVMSHCP and Implementing Agreement.		

Summary of Avoidance, Minimization or Mitigation Measures	Responsible Party	Timing /Phase	Action/Criteria to Comply with Task	Compliance Checked By	Date
Threatened and Endangered Species Mitigation Measures					
TE-1 CVAG will be required to pay the local development mitigation fee to mitigate for impacts to covered species and natural communities within the plan area, inside or outside of Conservation Areas. Project activities inside Conservation Areas are subject to the Joint Project Review process to determine consistency with plan goals and objectives.	CVAG, Project Contractor	Prior to the issuance of authorization to proceed	Payment of the CVMSHCP local development mitigation fee.		
TE-2 CVAG shall comply with all terms and conditions of the CVMSHCP and Implementing Agreement including, but not limited to: 1) participation in the Joint Project Review Process with the Coachella Valley Conservation Commission for projects within conservation areas as described in Section 6.6.1.1 of the CVMSHCP, and 2) Implementation of the "Land Use Adjacency Guidelines" as described in Section 4.5 of the CVMSHCP for any portion of the Proposed Project that impact or are adjacent to the Whitewater Floodplain and Santa Rosa and San Jacinto Mountains Conservation Areas. Measures for the "Land Use Adjacency Guidelines" include: a. Drainage: Development of the Proposed Project Alternative adjacent to or within a conservation area shall incorporate plans to ensure that the quantity and quality of runoff discharged to the adjacent conservation area is not altered in an	CVAG, Project Biologist, Project Contractor	Prior to the issuance of authorization to proceed	The project contractors/CVAG shall comply with and thoughtfully apply the terms and conditions set forth by the CVMSHCP and Implementing Agreement. CVAG shall review applicable drainage, lighting, and noise abatement/minimization plans per guidance by the CVMSHCP.		

Summary of Avoidance, Minimization or Mitigation Measures	Responsible Party	Timing /Phase	Action/Criteria to Comply with Task	Compliance Checked By	Date
with existing conditions. Storm water systems shall be designed to prevent the release of pollutants (e.g., toxins, chemicals, petroleum products, exotic plant materials) or other elements that might degrade or harm biological resources or ecosystem processes within the adjacent conservation area. b. Toxics: Development of the proposed project adjacent to or within a conservation area shall be required to incorporate measures to ensure that application of fertilizers, pesticides, herbicides or similar chemicals does not result in any discharge to the adjacent conservation area. c. Lighting: Lighting in areas adjacent to or located within conservation areas shall be shielded and directed away from the conservation area, toward developed areas. Landscape shielding or other appropriate methods shall be incorporated in project designs to minimize the effects of lighting adjacent to or within the adjacent conservation area in accordance with the guidelines included in the Implementation Manual. d. Noise: Noise generated by construction adjacent to or within a conservation area in excess of 75 dBA shall incorporate setbacks, berms, or walls, as appropriate, to minimize the effects of noise on the adjacent conservation area according to Implementation Manual guidelines. e. Invasives: Landscape plans shall be prepared for the Proposed Project Alternative. Landscape plans for areas that are located adjacent to or within a conservation area are prohibited from using invasive, non-native plant species in their					

Summary of Avoidance, Minimization or Mitigation Measures	Responsible Party	Timing /Phase	Action/Criteria to Comply with Task	Compliance Checked By	Date
invasive ornamental plant species are listed in Table 4-113 of the CVMSHCP (Appendix E). The Coachella Valley native plant species listed in Table 4-112 of the CVMSHCP shall be incorporated into landscape design within or adjacent to conservation areas.					
TE-3 Prior to any construction in that portion of the Proposed Project Alternative occurring within the Survey Area for Casey's June Beetle, the project proponent shall complete, and the USFWS approve a Habitat Conservation Plan for the species, and issue an incidental take permit. The HCP shall include: a. The restoration of 7.0 acres of land within the Tahquitz Creek Golf Course. b. The establishment of conservation easements over the 7.0 acres to be restored. c. The establishment of a monitoring and management plan with the CVCC for the ongoing management of the conservation easements. d. The establishment of a self-perpetuating endowment to cover the costs of the monitoring and management program	CVAG, USFWS	Prior to any site disturbance	USFWS must approve the Habitat Conservation Plan and incidental take permit shall be issued.		

Cultural Resources					
Mitigation Measures					
CUL-1 If any potentially prehistoric features, artifacts, ecofacts, manuports, or evidence of midden soil are discovered during the undertaking, all construction activities within a 60-foot (approximately 18-meter) radius of the find will be halted until a qualified archaeologist can determine the nature and the significance of the find. If such find occurs in or near the previously established boundary of a prehistoric sites identified in the APE during this study, construction activities will be halted within 60 feet of any portion of the site that falls within or close to the ADL, CUL-2 If human remains are discovered, State Health and Safety Code Section 7050.5 states that further disturbances and activities shall cease in any area or nearby area suspected to overlie remains, and the County Coroner contacted. Pursuant to Public Resources Code Section 5097.98, if the remains are found to be Native American, the coroner will notify the Native American Heritage Commission, which will then notify the Most Likely Descendant (MLD). The person who discovered the remains will contact Gary Jones, Caltrans District 8 Native American Coordinator, at (909) 383-7505 to facilitate cooperation with the MLD on the respectful treatment and disposition of the remains. Further provisions of California Public Resources Code Section 5097.98 are to be followed as applicable. CUL-3 Archaeological and tribal monitors shall be present during any construction or preconstruction- related activity in all areas designated as Archaeological Monitoring Areas. In the event that cultural deposits are uncovered, the archaeological monitor shall be empowered to implement protective measures outlined above in CR-1. Details of the monitoring plan are located in the PRDMP (see App. 4).	CVAG, Project contractor, project archaeologist	Prior to any site disturbance, During all phases of construction	The project contractors/CVAG shall comply with and thoughtfully apply the terms and conditions set forth by the local Native American groups including requested monitoring programs, recovery and curation procedures, and limits of		

Summary of Avoidance, Minimization or Mitigation Measures	Responsible Party	Timing /Phase	Action/Criteria to Comply with Task	Compliance Checked By	Date
. CUL-4. The portions of Sites 33-000064/CA-RIV-64/H, 33-000149/CA-RIV-149, 33-001178/CA-RIV-1178, 33-001530/CA-RIV-1530, 33-001754/CA-RIV-1754, 33-002935/CA-RIV-2935, 33-003005/CA-RIV-3005, and 33-007835/CA-RIV-5828 lying outside the horizontal limits of the ADI shall be designated as Environmentally Sensitive Areas, where all project-related activities or inadvertent disturbances shall be prohibited. Further provisions regarding the ESAs are located in the ESAAP (see App. 3).			ground disturbance (construction shall remain within approved APE) The presence of an approved Native American Cultural Monitor(s) during any ground disturbing activities (including archaeological testing and surveys). The monitor may request that destructive construction halt in the event that human remains or artifacts of cultural significance are encountered, and notify the coroner and/or a Qualified Archaeologist (Secretary of the Interior's Standards and Guidelines) to investigate and, if necessary, prepare a mitigation plan for submission to the State Historic Preservation Officer and the appropriate Tribal Historic Preservation Officer.		

Geological Resources					
Mitigation Measures					
GEO-1. CV Link final design and engineering shall conform to the prevailing California Building Code (CBC) for buildings and other structures, and Caltrans design standards for bridges where appropriate in order to mitigate the effects of groundshaking and earthquake damage.	CVAG, Project Engineer	Prior to Approval of Construction plan set	Approval of construction plans		

Summary of Avoidance, Minimization or Mitigation Measures	Responsible Party	Timing /Phase	Action/Criteria to Comply with Task	Compliance Checked By	Date
GEO-2. Structural foundation designs and subsurface soil improvements shall be conducted based on the California Code of Regulations Volume 18, Title 14, Article 10, Section 3721[a]) to minimize liquefaction hazards. Such measures shall include but are not limited to overexcavation and hydrocompaction, other remedial grading, strengthening and deepening structural foundations.	CVAG, Project Geologist	During construction	Construction testing.		
GEO-3. Ground improvements consisting of removal and recompaction of loose, near surface sandy soils, is recommended to minimize dynamic settlement of dry soils. Other methods may include deep dynamic compaction, additives to the soils, such as cement or fiber (e.g., nylon) and flooding of in-place loose granular soils, to increase the density of the resultant compacted fill and thereby removing or reducing to insignificant levels the tendency to settle under dynamic shaking. Deep foundation elements should also be considered when effective at bypassing zones of loose sand subject to dynamic settlement.	CVAG, Project Geologist	During construction	Construction testing.		
GEO-4. All grading plans shall include a soil erosion prevention/dust control plan. Blowing dust and sand during grading operations shall be mitigated by adequate watering of soils prior to and during grading, and limiting the area of dry, exposed and disturbed materials and soils during these activities. To mitigate against the effects of wind erosion after site	CVAG, Project contractor	Prior to ground disturbance	Approved dust control plan.		

Summary of Avoidance, Minimization or Mitigation Measures	Responsible Party	Timing /Phase	Action/Criteria to Comply with Task	Compliance Checked By	Date
development, a variety of measure shall be provided including maintaining moist surface soils, planting stabilizing vegetation, establishing windbreaks with non-invasive vegetation or perimeter block walls, and using chemical soil stabilizers.					
GEO-5. Unprotected, permanent graded slopes shall not be steeper than 3:1 (horizontal/vertical) to reduce wind and water erosion. Protected slopes with ground cover may be as steep as 2:1. However, maintenance with motorized equipment may not be possible at this inclination. Fill slopes shall be overfilled and trimmed back to competent material. Fill slope surfaces shall be compacted to 90% of the laboratory maximum density by either over-filling and cutting back to expose a compacted core or by approved mechanical methods.	CVAG, Project Geologist	During construction	Construction testing.		
GEO-6. Positive site drainage shall be established during finish grading. Finish grading shall include a minimum positive gradient of 2% away from structures for a minimum distance of 3 feet and a minimum gradient of 1% to the street, channel or other approved drainage course.	CVAG, Project Geologist	During construction	Construction testing.		
GEO-7. Utility trench excavations in slope areas or within the zone of influence of structures shall be properly backfilled in accordance with the recommendations of the project geotechnical consultant. Backfill of utilities within roads or public rights-of-way shall be placed in conformance with the requirements of the governing agency (water district, public works department, etc.). Utility trench backfill within the project area shall be placed in conformance with the provisions of	CVAG, Project Geologist	During construction	Construction testing.		

Summary of Avoidance, Minimization or Mitigation Measures	Responsible Party	Timing /Phase	Action/Criteria to Comply with Task	Compliance Checked By	Date
the project geotechnical report. In general, service lines extending inside the project area may be backfilled with native soils compacted to a minimum of 90-percent relative compaction. Backfill operations shall be observed and tested to monitor compliance with these recommendations.					
GEO-8. Installation of slope protection, cutoff walls, deepening of proposed foundations below the maximum depth of scour and comparable measures shall be applied as necessary to mitigate potential scour and any resulting instability.	CVAG, Project Geologist	During construction	Construction testing.		
GEO-9. In order to address the potential rockfall hazards at Point Happy, the adjoining rock face shall be thoroughly evaluated and scaling of loose rock from the surface of exposed slopes shall be conducted, as necessary. The installation of rock catchment devices, such as walls, steel mesh or other effective barrier, shall be installed where necessary to mitigate the rockfall hazard.	CVAG, Project Geologist	During construction	Construction testing.		
GEO-10. There shall be a cessation of grading activities during rainstorms or high wind events. The project contractor shall install flow barriers and soil catchments (such as straw bales, silt fences, and temporary detention basins) during construction to control soil erosion.	CVAG, Project Contractor	During construction	Rain or winds above 25 mph.		
GEO-11. The project contractor shall ensure that the dust control measures set forth in Sections 4.3 and 4.9 are implemented to control wind-blown sand during construction. Project grading shall be conducted in strict compliance with the requirements of the SCAQMD and the Coachella Valley PM10 SIP.	CVAG, Project contractor	Prior to ground disturbance	Approved dust control plan.		

Summary of Avoidance, Minimization or Mitigation Measures	Responsible Party	Timing /Phase	Action/Criteria to Comply with Task	Compliance Checked By	Date
GEO-12. Excavated soils may be used as fill material so long as they are free of organic or deleterious matter. Rocks or concrete larger than 6 inches in greatest dimension shall be removed from fill or backfill material. Prior to integrating reconditioned fill soil onto needed sites, receiving areas shall be scarified, brought to near optimum moisture conditions, and recompacted to at least 90% relative compaction (ASTM D1557).	CVAG, Project Geologist	During construction	Construction testing.		
GEO-13. Imported soils (if needed) shall be non-expansive, granular soils meeting the USCS classifications of SM, SP-SM, or SW-SM with a maximum rock size of 3 inches and 5 to 35 percent passing the No. 200 sieve. Imported fill shall be placed in maximum 8-inch lifts (loose) and compacted to at least 90 percent relative compaction (ASTM D 1557) near optimum moisture content.	CVAG, Project Geologist	During construction	Construction testing.		
GEO-14. Excavations within sandy soil shall be kept moist, but not saturated, to reduce the potential of caving or sloughing. Where excavations over 4 feet deep are planned, lateral bracing or appropriate cut slopes of 1.5:1 (horizontal/vertical) shall be provided. No surcharge loads from stockpiled soils or construction materials shall be allowed within a horizontal distance measured from the top of the excavation slope and equal to the depth of the excavation.	CVAG, Project Geologist	During construction	Construction testing.		
GEO-15. Removal and recompaction of susceptible soils, flooding and surcharging, and/or other ground densification techniques shall be implemented to mitigate hydro-collapse potential.	CVAG, Project Geologist	During construction	Construction testing.		

Summary of Avoidance, Minimization or Mitigation Measures	Responsible Party	Timing /Phase	Action/Criteria to Comply with Task	Compliance Checked By	Date
GEO-16. Standard geotechnical practices such as excavation of the expansive soils and replacement with non-expansive compacted fill (by using additional steel reinforcing in foundations, post-tensioned slabs, presoaking, and drainage control devices) shall be used as determined appropriate by the geotechnical and structural engineers.	CVAG, Project Geologist	During construction	Construction testing.		
Hazardous Materials					
Mitigation Measures					
HAZ-1: If the pad-mounted or pole-mounted transformers situated within or immediately adjacent to the CV Link routes must be removed during construction activities, they will be tested for PCBs prior to their removal and disposal. If PCBs are identified, the transformers and associated fluids shall be transported offsite and disposed of in accordance with Riverside County protocol.	CVAG, Project Contractor	During all phases of construction	Proper handling and testing procedures per the Riverside County Department of Environmental Health shall be adhered to in the event that transformers require temporary or permanent removal.		
HAZ-2 An Environmental Contingency Plan shall be prepared prior to any subsurface investigation or construction activities along the CV Link route. This plan will identify how project contractors and the project proponent respond to undocumented hazardous material release areas. This plan will also identify how project contractors and the project proponent are to respond to accidental hazardous material releases that occur during construction activities, such as an accidental fuel spill. The plan shall provide step-by-step responses for the field and office personnel to follow. It shall also include a detailed description of cleanup methodologies and hazardous material disposal sites.	CVAG, Project Contractor	Prior to notice to proceed.	Approved plan.		

Summary of Avoidance, Minimization or Mitigation Measures	Responsible Party	Timing /Phase	Action/Criteria to Comply with Task	Compliance Checked By	Date
Hydrology and Floodplain					
Mitigation Measures					
HYD 1 In order to reduce impacts to waters of the State and US in the Whitewater Floodplain in the vicinity of the Four Seasons development, the in-channel alignment shall be merged with the top of channel alignment in the vicinity of the DWA well site (APN: 669-590-064) and shall remain atop the levee as far as the San Rafael discharge channel.	CVAG, Project designers	Prior to finalizing design and engineering plans	Approved final plans		
HYD 2 In order to mitigate for impacts to waters of the United States (and as appropriate waters of the State), including wetlands and other jurisdictional waters, CVAG shall participate in the CVCC/USACE In-Lieu Fee Program Mitigation shall be paid for each affected site before any ground disturbance shall be permitted in each impact area.	CVAG, USACE	Prior to finalizing design and engineering plans	Payment of fees		
Minimization Measures					
HYD-A. Prior to finalizing design and engineering plans for all CV Link facilities that are located atop, within or adjacent to CVWD and/or RCFCWCD facilities and drainages, said plans shall be reviewed and approved by the responsible flood control agency to ensure that these improvements do not interfere with or adversely affect channel capacity or the ability of the flood control agencies to manage and maintain these facilities.	CVAG, Project Contractor	Prior to finalizing design and engineering plans	Flood control agencies must approve project engineering/design plans for portions of the project located atop, within or adjacent to CVWD and/or RCFCWCD facilities and drainages.		

Summary of Avoidance, Minimization or Mitigation Measures	Responsible Party	Timing /Phase	Action/Criteria to Comply with Task	Compliance Checked By	Date
HYD-B. Prior to the completion of 60% plans for the Cook Street and Point Happy bridges, the project designers shall ensure that bridge supports do not impact requisite stormwater channel freeboard at these locations and shall secure CVWD concurrence before final design engineering is completed.	CVAG, Project Contractor	Prior to and during construction activities	CVAG shall review and approve construction plans. Final plans shall conform to the requirements of the Project Engineer. Plans shall also be reviewed and approved by the appropriate flood control agency to assure that adequate erosion protection is provided for all parts of the project.		
HYD-C. A wide range of effective construction BMPs, further described below, are available and shall be implemented during construction activities to prevent pollutants of concern from entering nearby receiving waters, which will avoid or minimize short-term water quality impacts caused by the construction of the Proposed Project Alternative	CVAG, Project Contractor	Prior to and during construction activities	CVAG shall review and approve construction plans, ensuring standards and guidelines promulgated by CVWD and RCFCWCD are thoughtfully adhered to.		
HYD-D. As applicable, CV Link construction shall follow the design and development standards and guidelines promulgated by CVWD and RCFCWCD, including but not limited to the Riverside County Whitewater River Region Stormwater Quality Best Management Practice Design Handbook for Low Impact Development (RCFCWCD, 2014) and the CVWD Development Design Manual (CVWD, 2013).	CVAG, Flood Control Agencies (CVWD, RCFC&WCD), Project Contractor	Prior to finalizing engineering plans	Flood control agencies must approve project engineering/design plans.		
HYD-E. At sections of the WWR Channel and the CVSC that do not meet requisite 100-year capacity or freeboard standards, necessary embankment or levee adjustment shall be accomplished before or concurrent with CV Link improvements construction.	CVAG, Flood Control Agencies (CVWD, RCFC&WCD)	Prior to finalizing engineering plans	Flood control agencies must approve project engineering/design plans.		

Summary of Avoidance, Minimization or Mitigation Measures	Responsible Party	Timing /Phase	Action/Criteria to Comply with Task	Compliance Checked By	Date
HYD-F. Construction activities for the project could result in erosion and siltation from earthmoving and other construction activities. Earthmoving activities at all sites would temporarily alter existing drainage patterns to some degree, including grading, excavation, and soil stockpiling. Exposed soil from excavated areas, stockpiles, and other areas where ground cover are be removed could be inadvertently transported offsite by wind or water. Construction activities would disturb more than one acre of soil; therefore, project construction activities would be subject to the NPDES Construction General Permit requirements. Implementation of a Stormwater Pollution Prevention Plan will ensure that erosion, siltation and runoff do not result in flooding on or off the project sites, and would reduce this impact to a less than significant level.	CVAG, Project contractor	During construction	Approval of best management practices.		
HYD-G. Construction activities for the project could result in erosion and siltation from earthmoving and other construction activities. Earthmoving activities at all sites would temporarily alter existing drainage patterns to some degree, including grading, excavation, and soil stockpiling. Exposed soil from excavated areas, stockpiles, and other areas where ground cover are be removed could be inadvertently transported offsite by wind or water. Construction activities would disturb more than one acre of soil; therefore, project construction activities would be subject to the NPDES Construction General Permit requirements. Implementation of a Stormwater Pollution Prevention Plan will ensure that erosion, siltation and runoff do not result in flooding on or off the project	CVAG, Project Contractor	Prior to approval to initiate construction	Approval of the SWPPP (CVAG). Construction manager shall conduct daily inspections to ensure BMPs are implemented thoughtfully and properly throughout all phases of construction.		

Summary of Avoidance, Minimization or Mitigation Measures	Responsible Party	Timing /Phase	Action/Criteria to Comply with Task	Compliance Checked By	Date
sites, and would reduce this impact to a less than significant level. a. CV Link construction shall be avoided within the limits of identified waterways as depicted on the Jurisdictional Delineation Report prepared for this DEIR, except where authorized by federal, state or local permits. b. Protect inlets and outlets of culverts from construction material intrusions using temporary berms to prevent channel incision, erosion, and sedimentation. c. Erosion control measures appropriate for on-the-ground conditions, including percent slope, length of slope, and soil type and erosive factor, shall be implemented. d. Temporary erosion shall be properly maintained throughout construction (on a daily basis) and reinstalled as necessary (such as after backfilling) until replaced with permanent erosion controls or restoration is complete. e. Where jurisdictional waters are adjacent to the construction right-of-way, the contractor shall install sediment barriers along the edge of the construction right-of-way as necessary to contain spoil and sediment within the construction right-of-way. f. Ensure that all employees and contractors are properly informed and trained on how to properly install and maintain erosion control BMPs. Contractors shall require all employees and contractors responsible for supervising the installation and maintenance of BMPs and those responsible for the actual					

Summary of Avoidance, Minimization or Mitigation Measures	Responsible Party	Timing /Phase	Action/Criteria to Comply with Task	Compliance Checked By	Date
installation and maintenance to receive training in proper installation and maintenance techniques. g. Project scheduling will include efficient staging of CV Link construction that minimizes the extent of disturbed and destabilized work area, and reduces the amount of soil exposed and the duration of its exposure to wind, rain, and vehicle tracking. h. The use of a schedule or flow chart will be incorporated to lay out the construction plan. i. The sequencing and time frame for the initiation and completion of tasks, such as site clearing, grading, excavation, path construction, and reclamation, shall be planned in advance to ensure minimization of potential impacts. j. Erosion and sediment control BMPs shall be incorporated into travelway construction plans.					
HYD-H. To prevent construction-related petroleum products from contaminating soils and water bodies, the following BMPs shall be implemented, as appropriate: a. Construction equipment and vehicles shall be properly maintained to prevent leakage of petroleum products. b. Herbicides, fertilizers, vehicle maintenance fluids, petroleum products shall be stored, and/or changed in staging areas established	CVAG, Project Contractor	During all phases of construction	Construction manager shall conduct daily inspections to ensure BMPs are implemented thoughtfully and properly throughout all phases of construction.		

Summary of Avoidance, Minimization or Mitigation Measures	Responsible Party	Timing /Phase	Action/Criteria to Comply with Task	Compliance Checked By	Date
at least 100 feet from delineated streams and other drainages. These products must be discarded at disposal sites in accordance with state and federal laws, rules, and regulations. c. Drip pans and tarps or other containment systems shall be used when changing oil or other vehicle/equipment fluids. d. Areas where discharge material, overburden, fuel, and equipment are stored shall be designed and established at least 300 vegetated (permeable) feet from the edge of delineated streams. e. Any contaminated soils or materials will be disposed of off-site in proper receptacles at an approved disposal facility. f. All erosion control measures shall be inspected and repaired after each rainfall event that results in overland runoff. The project contractor and CVAG shall be prepared year round to deploy and maintain erosion control BMPs associated with CV Link, as necessary. g. Existing culverts shall be maintained during construction in order to ensure that they function properly. Considerations include: maintenance of inlet and outlet elevations, grade, adequate compacted material cover, and inlet/outlet protection.					
HYD-I. Restoration involves restoring the right-of-way to pre-construction conditions by final grading, installation of permanent erosion control measures such as slope breaks and retaining walls at appropriate distances to prevent rill (channel) formation between slope breaks, and re-establishing vegetation.	Project Contractor	During all phases of construction	Construction manager shall inspect to ensure compliance with restoration requriements.		

Summary of Avoidance, Minimization or Mitigation Measures	Responsible Party	Timing /Phase	Action/Criteria to Comply with Task	Compliance Checked By	Date
a. Cleanup operations shall commence immediately following backfill operations on slopes approaching delineated streams and other drainages. b. Final grading to restore pre-construction contours shall be completed and soil left in pre-existing condition within 7 days after backfilling the trench. c. Restoration crew shall follow construction crews as they work systematically from one end to the other end of each Link alignment. If crews cannot work systematically from one end to the other, then erosion control BMPs shall be maintained on all slopes approaching a delineated stream and adjacent to these sensitive areas. If seasonal or other weather related conditions prevent compliance with these time frames, erosion control BMPs shall be maintained until conditions allow completion of cleanup.					
HYD-J. Human access into the channels during periods of storms and potential flooding shall be restricted by barriers and noticed by signage to ensure that there is no significant risk of injury or death.	CVAG	Prior to finalizing design plans	Barriers and signage programs shall be prepared, reviewed, and approved by CVAG.		
Land Use					
Minimization Measures					
LU-A. On an on-going basis and prior to the completion of 90% plans, CVAG and project designers and engineers shall meet and confer with land use and public facility managers of each jurisdiction to ensure that CV Link facilities are adequately screened	CVAG	Prior to finalizing project plans	CVAG staff shall review and approve structural and landscaping screening plans to ensure adequate privacy measures are applied near residential land uses.		

Summary of Avoidance, Minimization or Mitigation Measures	Responsible Party	Timing /Phase	Action/Criteria to Comply with Task	Compliance Checked By	Date
and/or buffered from adjoining land uses, and adequately golf course improvements and areas of play located in proximity CV Link alignments. These include Tahquitz Creek Golf Course in Palm Springs, Cimarron Golf Course and Cathedral Canyon Country Club in Cathedral City, and Indian Well Golf Resort in Indian Wells. Some minor adjustment in these areas may be needed to avoid conflicts between the Link path and golf facilities in these areas.					
LU-B CVAG and project designers and engineers will meet and confer with the owners and managers of the Tahquitz Creek Golf Course through which CV Link alignments pass prior to construction to ensure that adequate buffers between CV Link facilities and fairways, greens, tee boxes and in play areas are installed along the proposed alignments to avoid conflicts between the Link path and golf facilities. The safety of CV Link users shall also be taken into consideration and protected through minor alignment adjustments, protective netting or other means		Prior to finalizing project plans	CVAG staff shall review and approve structural and landscaping screening plans to ensure adequate privacy measures are applied near residential land uses		

LU-C.	At those locations where CV Link alignments are at an elevation higher than adjoining residential lands, the project shall incorporate landscape screens to ensure that the privacy of residents is protected. CVAG and project designers and engineers will meet and confer with the owners and managers of the Cathedral Canyon golf course, and any underlying leaseholders prior to construction to ensure that CV Link facilities adequately buffers between CV Link facilities and fairways, greens, tee boxes and in play areas are installed along the proposed alignments to avoid conflicts between the Link path and golf facilities. .	CVAG	Prior to finalizing project plans	CVAG staff shall review and approve structural and landscaping screening plans to ensure adequate privacy measures are applied near residential land uses.		
LU-D.	CVAG and project designers and engineers will meet and confer with the owners and managers of the Indian Wells Golf Resort golf course through which CV Link alignments pass prior to construction to ensure that adequate buffers between CV Link facilities and fairways, greens, tee boxes and in play areas are installed along the proposed alignments to avoid conflicts between the Link path and golf facilities. The safety of CV Link users shall also be taken into consideration and protected through minor alignment adjustments, protective netting or other means.	CVAG	Prior to finalizing project plans	CVAG staff shall review and approve structural and landscaping screening plans to ensure adequate privacy measures are applied near residential land uses.		

Summary of Avoidance, Minimization or Mitigation Measures	Responsible Party	Timing /Phase	Action/Criteria to Comply with Task	Compliance Checked By	Date
Water Quality and Stormwater Runoff					
Minimization Measures					
WQ-A. Prior to finalizing design and engineering plans for all CV Link facilities that are located atop, within or adjacent to CVWD and/or RCFCWCD facilities and drainages, said plans shall be reviewed and approved by the responsible flood control agency to ensure that these improvements do not interfere with or adverse effect channel capacity or the ability of the flood control agencies to management maintain these facilities.	CVAG, Project Contractor	Prior to finalizing design and engineering plans	Flood control agencies must approve project engineering/design plans for portions of the project located atop, within or adjacent to CVWD and/or RCFCWCD facilities and drainages.		
WQ-B. A wide range of construction BMPs are available and shall be implemented during construction activities to reduce any pollutants of concern that may enter nearby receiving waters, which will reduce short term water quality impacts caused by the construction of the Proposed Project Alternative.	CVAG, Project Contractor	During construction	Approved SWPPP		
WQ-C. As applicable, the CV Link project construction shall follow the design and development standards and guidelines promulgated by CVWD and RCFCWCD, including but not limited to the Riverside County Whitewater River Region Stormwater Quality Best Management Practice Design Handbook for Low Impact Development (RCFCWCD, 2014) and the CVWD Development Design Manual (CVWD, 2013).	CVAG, Project Contractor	Prior to finalizing design and engineering plans	Flood control agencies must approve project engineering/design plans for portions of the project located atop, within or adjacent to CVWD and/or RCFCWCD facilities and drainages.		

Summary of Avoidance, Minimization or Mitigation Measures	Responsible Party	Timing /Phase	Action/Criteria to Comply with Task	Compliance Checked By	Date
WQ-D. At sections of the WWRSC/CVSC that do not meet requisite 100-year freeboard standards, necessary embankment or levee adjustment shall be accomplished before or concurrent with CV Link improvements construction.	CVAG, Project Contractor	Prior to finalizing design and engineering plans	Flood control agencies must approve project engineering/design plans for portions of the project located atop, within or adjacent to CVWD and/or RCFCWCD facilities and drainages.		
WQ-E. Construction activities for the project could result in erosion and siltation from earthmoving and other construction activities. Earthmoving activities at all sites would temporarily alter existing drainage patterns to some degree, including grading, excavation, and soil stockpiling. Exposed soil from excavated areas, stockpiles, and other areas where ground cover shall be removed could be inadvertently transported offsite by wind or water. Construction activities would disturb more than one acre of soil; therefore, project construction activities would be subject to the NPDES Construction General Permit requirements. Implementation of a Stormwater Pollution Prevention Plan will ensure that erosion, siltation and runoff do not result in flooding on or off the project sites, and would reduce this impact to a less than significant level.	CVAG, Project Contractor	During construction	Approved SWPPP		
WQ-F. Erosion and sediment controls, including any necessary stabilization practices or structural controls, shall be implemented at and in all potentially affected drainages. General structural practices	CVAG, Project Contractor	During construction	Approved SWPPP		

Summary of Avoidance, Minimization or Mitigation Measures	Responsible Party	Timing /Phase	Action/Criteria to Comply with Task	Compliance Checked By	Date
may include, but are not limited to, silt fences, earth dikes, drainage swales, sediment traps, check dams, reinforced soil retaining systems, temporary or permanent sediment basins and flow diversion. Temporary erosion and sediment control measures shall be installed during or immediately after initial disturbance of the soil, maintained throughout construction (on a daily basis), and reinstalled as necessary until replaced by permanent erosion control structures or restoration of the construction right-of-way is complete. In addition, the following specific actions shall be taken to ensure that impacts are less than significant. a. CV Link construction shall be avoided within the limits of identified waterways as depicted on the Jurisdictional Delineation Report prepared for this DEIR, except where authorized by federal, state or local permits. b. Protect inlets and outlets of culverts from construction material intrusions to prevent channel incision, erosion, and sedimentation. c. Erosion control measures appropriate for on-the-ground conditions including percent slope, length of slope, and soil type and erosive facto shall be implemented. d. Temporary erosion controls shall be properly maintained throughout construction (on a daily basis) and					

Summary of Avoidance, Minimization or Mitigation Measures	Responsible Party	Timing /Phase	Action/Criteria to Comply with Task	Compliance Checked By	Date
reinstalled as necessary (such as after backfilling) until replaced with permanent erosion controls or restoration is complete. e. Where jurisdictional waters are adjacent to the construction right-of-way, the contractor shall install sediment barriers along the edge of the construction right-of-way as necessary to contain spoil and sediment within the construction right-of-way. f. Ensure that all employees and contractors are properly informed and trained on how to properly install and maintain erosion control BMPs. Contractors shall require all employees and contractors responsible for supervising the installation and maintenance of BMPs and those responsible for the actual installation and maintenance to receive training in proper installation and maintenance techniques. g. Project scheduling will include efficient staging of CV Link construction, and reduce the amount of soil exposed and the duration of its exposure to wind, rain, and vehicle tracking. h. The use of a schedule or flow chart will be incorporated to lay out the construction plan. i. The sequencing and time frame for the initiation and completion of tasks, such as site clearing, grading, excavation, path construction, and reclamation, shall be planned in advance to ensure					

Summary of Avoidance, Minimization or Mitigation Measures	Responsible Party	Timing /Phase	Action/Criteria to Comply with Task	Compliance Checked By	Date
minimization of potential impacts. j. Erosion and sediment control BMPs shall be incorporated into travelway construction plans.					
WQ-G. To prevent petroleum products from contaminating soils and water bodies, the following BMPs shall be implemented, as appropriate (also see Section 2-2.1): Hydrology and Floodplain for additional avoidance and minimization measures: a. Construction equipment and vehicles shall be properly maintained to prevent leakage of petroleum products. b. Herbicides, fertilizers, vehicle maintenance fluids, petroleum products shall be stored, and/or changed in staging areas established at least 100 feet from delineated streams and other drainages. These products must be discarded at disposal sites in accordance with state and federal laws, rules, and regulations. c. Drip pans and tarps or other containment systems shall be used when changing oil or other vehicle/equipment fluids. d. Areas where discharge material, overburden, fuel, and equipment are stored shall be designed and established at least 300 vegetated (permeable) feet from the edge of delineated streams. e. Any contaminated soils or materials will be disposed of off-site in proper receptacles at an approved disposal facility.	CVAG, Project Contractor	During construction	Approved SWPPP		

Summary of Avoidance, Minimization or Mitigation Measures	Responsible Party	Timing /Phase	Action/Criteria to Comply with Task	Compliance Checked By	Date
f. All erosion control measures shall be inspected and repaired after each rainfall event that results in overland runoff. The project contractor and CVAG shall be prepared year round to deploy and maintain erosion control BMPs, as necessary. g. Existing culverts shall be carefully maintained in place in order to ensure that they function properly. Considerations include: maintenance of inlet and outlet elevations, grade, adequate compacted material cover, and inlet/outlet protection.					
WQ-H. Restoration involves restoring the right-of-way to pre-construction conditions by final grading, installation of permanent erosion control measures such as slope breaks at appropriate distances to prevent rill (channel) formation between slope breaks, and re-establishing vegetation. a. Cleanup operations shall commence immediately following backfill operations on slopes approaching delineated streams and other drainages. b. Final grading to restore pre-construction contours shall be completed and soil left in pre-existing condition within 7 days after backfilling the trench. c. Restoration crew shall follow construction crews as they work systematically from one end to the other end of the pipeline alignment. If crews cannot work systematically from one end	CVAG, Project Contractor	At completion of construction	Approved restoration plan		

Summary of Avoidance, Minimization or Mitigation Measures	Responsible Party	Timing /Phase	Action/Criteria to Comply with Task	Compliance Checked By	Date
to the other end, then erosion control BMPs shall be maintained on all slopes approaching a delineated stream and adjacent to these sensitive areas. If seasonal or other weather related conditions prevent compliance with these time frames, maintain erosion control BMPs shall be maintained until conditions allow completion of cleanup.					
WQ-I. Human access into the channels during periods of storms and potential flooding shall be restricted through the use of gates and barriers, with appropriate danger warning signs, to ensure that there is no significant risk of injury or death.	CVAG, Project contractor	Prior to initiation of construction	Approved final construction plans		
Noise					
Mitigation Measures					
N-1: Project construction activities shall only occur between the permitted hours of each local jurisdiction's Municipal Code or in compliance with Caltrans Standard Specification (Noise Control) Section 14-8.02, whichever is more stringent.. The project construction supervisor shall ensure compliance.	CVAG, Project Contractor	All phases of project construction	The appropriate jurisdiction or CVAG designee shall conduct daily inspections of the project and intervene when contractor deviates from jurisdictional Noise Ordinances.		
N-2: During all project site construction, all construction equipment, fixed or mobile, shall be equipped with properly operating and maintained mufflers, consistent with manufacturers' standards. The construction supervisor shall place all stationary construction equipment so that emitted noise is directed away from the noise-sensitive receivers nearest the Project site.	CVAG, Project Contractor	All phases of project construction	CVAG and project contractors shall review and approve project staging plans. The plan or equivalent documentation shall address issues of construction vehicle staging and maintenance.		

Summary of Avoidance, Minimization or Mitigation Measures	Responsible Party	Timing /Phase	Action/Criteria to Comply with Task	Compliance Checked By	Date
N-3: The construction supervisor shall locate equipment staging in areas that will create the greatest distance between construction-related noise sources and noise-sensitive receivers nearest the project site (i.e., at the planned staging areas or further from nearby sensitive receiver locations if possible) during all Project construction. 61 staging areas have been determined along the Route please see Appendix B (Alignments Map Book). The closest distance between a sensitive receptor to a staging area will be 30 feet.	CVAG, Project Contractor	Prior to issuance of any grading or building permits or authorizations to proceed	CVAG must approve and/or shall secure approval of the final noise specifications regarding the attenuation of noise from construction vehicles and activities.		
N-4: The use of large bulldozers within 100 feet of nearby sensitive land uses (e.g. residential, school, etc.) shall be minimized and avoided if possible.	CVAG, Project Contractor	All phases of project construction	CVAG and project contractors shall review and approve project staging plans. The plan or equivalent documentation shall address issues of construction vehicle staging and maintenance.		
N-5: The construction supervisor shall limit haul truck deliveries to the same hours specified for construction equipment by each local jurisdiction's Municipal Code.	CVAG, Project Contractor	All phases of project construction	Construction managers shall schedule haul truck delivery times to adhere to local jurisdictions Municipal Code.		
N-6 Alternative piling methods shall be used to reduce the potential impacts at nearby sensitive receiver locations as follows: a. No impact pile driving devices and CIDH piling methods shall be used within 76 feet of sensitive receiver locations near the Thunderbird Channel and Deep Canyon Channel Bridge (as indicated on Table 4). Alternative piling methods are required to reduce the vibration levels at these locations. Based on an evaluation by Caltrans an alternative method, such as Tubex piles, which can produce lower vibration levels of	CVAG, Project Contractor	During construction	Use of alternative methods		

	Summary of Avoidance, Minimization or Mitigation Measures	Responsible Party	Timing /Phase	Action/Criteria to Comply with Task	Compliance Checked By	Date
	0.05 in/sec PPV at 25 feet during installation shall be used. Other pile driving alternatives capable of producing equal or lower vibration levels are acceptable. b. Cast-in-Drilled Hole (CIDH) alternatives capable of producing equal or lower vibration levels, shall be used for the following bridge locations as an alternative to pile driving activities planned within 400 feet of sensitive receiver locations (as indicated on Table 2-34, below): ✦ Highway 111 Overcrossing ✦ West Magnesia Canyon Channel Bridge at Highway 111 ✦ West Magnesia Canyon Channel Bridge at Library ✦ Cook Street Overcrossing ✦ La Quinta Channel Bridge					
N-7	Residences and other sensitive land uses within 400 feet of the planned pile locations shall be notified of the construction in writing. The notification shall describe the activities anticipated, provide dates and hours, and provide contact information with a description of a noise and vibration complaint and response procedure.	CVAG, Project Contractor	During construction	Established complaint and response procedure		

Paleontology						
Mitigation Measures						
P-1	In the unlikely event paleontological resources be discovered, the cultural monitor shall, upon discovery of any fossils, quickly salvage them as they are unearthed to avoid construction delays. The monitor shall remove samples of sediments that are likely to contain the remains of small fossil invertebrates and vertebrates. The monitor shall have the authority to temporarily halt or divert grading and excavation equipment to allow for removal of abundant or large	CVAG, Cultural Monitor	During earth moving activities	Completion of report		

Summary of Avoidance, Minimization or Mitigation Measures	Responsible Party	Timing /Phase	Action/Criteria to Comply with Task	Compliance Checked By	Date
specimens.					
Traffic					
Minimization Measures					
TR-A. The construction activities shall meet or exceed all federal, state and local statutory requirements for public safety.	CVAG, Project Contractor	Prior to finalizing engineering plans.	CVAG and each jurisdiction Publics Works Department (equivalent) shall review and approve project plans to ensure public safety requirements are met.		
TR-B. All necessary permits or approvals shall be secured prior to the initiation of site disturbance such as grading, paving and other construction activities. Prior to the initiation of site development, CVAG shall confer with the appropriate City Public Works Department to ensure that construction activities are carried out in a manner that causes minimal disruption to traffic on adjoining city streets.	CVAG, Project Contractor	Prior to the initiation of site disturbance	Approval of all necessary permits/approvals from each jurisdiction.		
TR-C. The Construction Manager shall be required to identify and promptly repair any project-related damage to existing public roads upon completion of the construction activities within the project site. The contractor shall monitor the condition of these routes throughout the construction process and, in the event of an accidental load spill, to arrange for the immediate clean-up of any spilled material with street sweeping or other procedures, as needed.	Project Contractor	All phases of construction	Contractor shall make daily inspections to monitoring for roadway damage.		

Summary of Avoidance, Minimization or Mitigation Measures	Responsible Party	Timing /Phase	Action/Criteria to Comply with Task	Compliance Checked By	Date
TR-D. The final location and design of the Link access points and the internal circulation improvements shall comply with applicable city access and design standards, and be reviewed by the City Engineer. CVAG shall submit CV Link and associated street improvement and striping plans to each respective City Engineer for review and approval, prior to the issuance of grading and/or construction permits.	CVAG	Prior to issuance of grading and/or construction permits	City/jurisdiction engineers must approve project plans.		
TR-E. Properly designed and maintained CV Link and any associated street, roadway, and access area lighting shall be provided along the CV Link route, as needed, to facilitate the safe movement of vehicular, pedestrian and bicycle traffic, and to ensure good visibility under both daylight and nighttime conditions.	CVAG, Project Contractor	All phases of construction	CVAG shall approve construction lighting plan.		

TR-F.	Prior to the issuance of grading permits or other work authorization for specific CV Link segments, the CV Link Construction Manager shall develop and implement construction management strategies and traffic control and operations plans that minimize the disruption of traffic flow through CV Link construction areas, in order to minimize or avoid accessibility issues for nearby residences, business and schools.	CVAG, Project Contractor	All phases of construction	Implementation and adherence to Traffic Control Plan should be monitored during all phases of construction		

Appendix D: Project Planning Area Maps

CV Link
Environmental Assessment

November 2016

CV LINK

MAPBOOK UPDATE

LEGEND

CV LINK Route

- Alignment Determined
- Alignment with Alternatives
- Existing Tahquitz Creek Trail

Ownership of Potentially Affected Parcels

- Private
- Public
- Tribal
- Water/Flood Control Districts
- CVWD Easements
- City Boundaries

Crossings

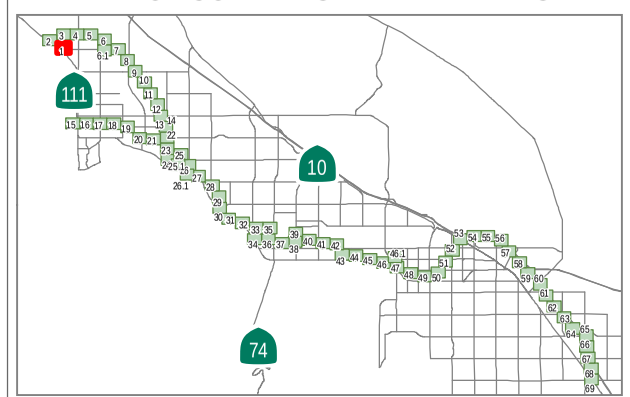
- At Grade
- Undercrossing
- Overcrossing

Access Points

TYPE

- AP — Access Point
- EP — Entry Point
- RS — Rest Stop
- Access Point Work Limits
- Construction Staging Area
- Path Work Limits

INDEX OF CORE ALIGNMENT MAP PAGES



CVAG

Data obtained from CVAG, MSA CONSULTING, INC. CALSIL, RCTLMA, ACBCI, CVWD, and RCFCWCD

Date: 9/30/2016

0 125 250 FT.

1 in = 250 ft

Map Page 1

RETAIN GAZEBO, INSTALL PATH BYPASS

GATEWAY DR. NEW CROSSWALK AND SIGNAL MODS

DRAINAGE CULVERT STEEP BANK

POTENTIAL GATEWAY AND TOURIST PHOTO OP

VISITOR CENTER ACCESS POINT ROUTE MAP AND SIGNAGE

PALM SPRINGS VISITOR'S CENTER

PALM SPRINGS

TIERRA LN

VENTANA RIDGE

MOUNTAIN GATE

VISTA VERDE

VISTA DUNES

VIDEO RD

LAWRENCE CIR

TERRAZA LN

HOWARD CIR

ALBERTO CIR

JIMINEZ CIR

MISSION MEADOW PERKINS

ROSA PARKS RD

GATEWAY DR

JUAN CIR

JUANITA CIR

ASHBY CIR

GLADYS CIR

EASTGATE RD

AVENIDA CERCA

RADIO RD

MC CARTHY RD

SAN RAFAEL DR

LOS FELICES CIR N

LOS FELICES CIR E

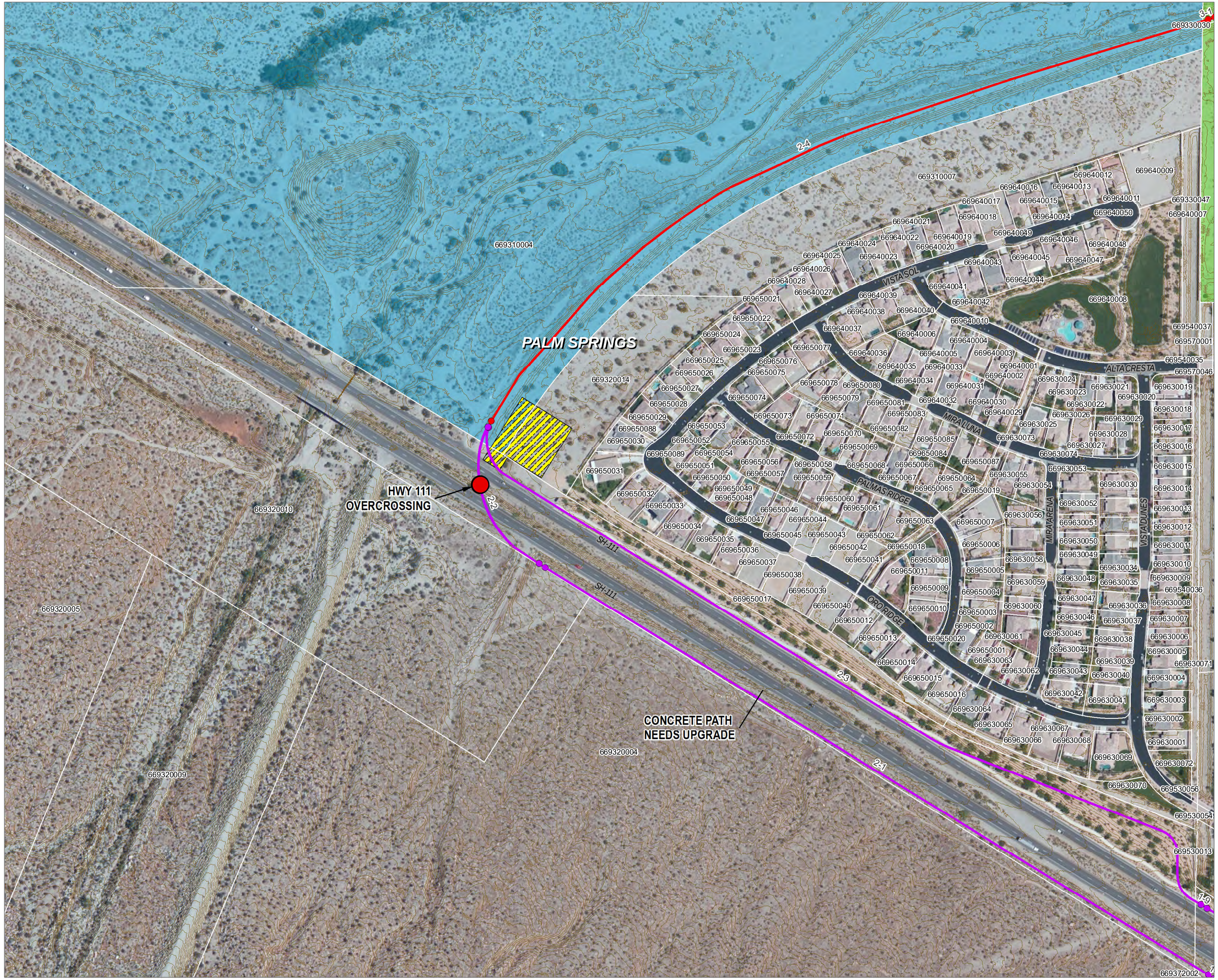
LOS FELIZ RD

TRAMWAY RD

SANTA CATALINA RD

YORBA RD

SR-111



CV LINK

MAPBOOK UPDATE

LEGEND

CV LINK Route

- Alignment Determined
- Alignment with Alternatives
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- Private
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- Tribal
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- City Boundaries

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- Undercrossing
- Overcrossing

Access Points

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- EP Entry Point
- RS Rest Stop

- Access Point Work Limits
- Construction Staging Area
- Path Work Limits

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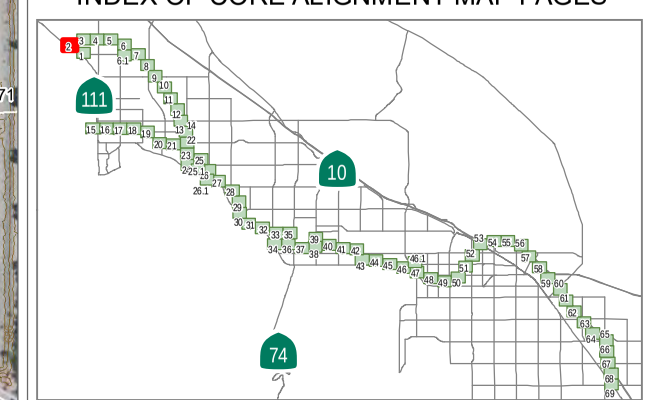

CVAG

0 125 250 FT.

1 in = 251 ft

Data obtained from CVAG, MSA CONSULTING, INC. CALSIL, RCTLMA, ACBCI, CVWD, and RCFCWCD

Date: 9/30/2016

Map Page 2

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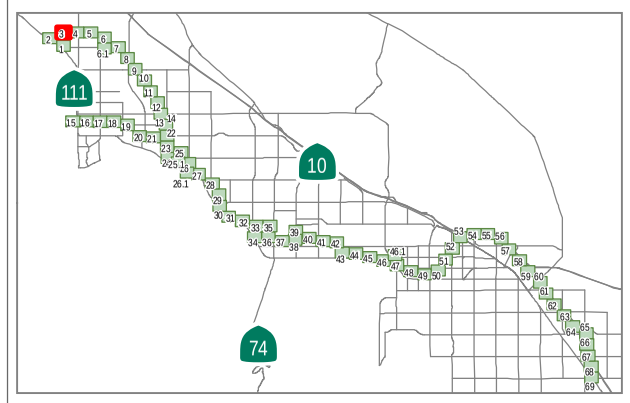

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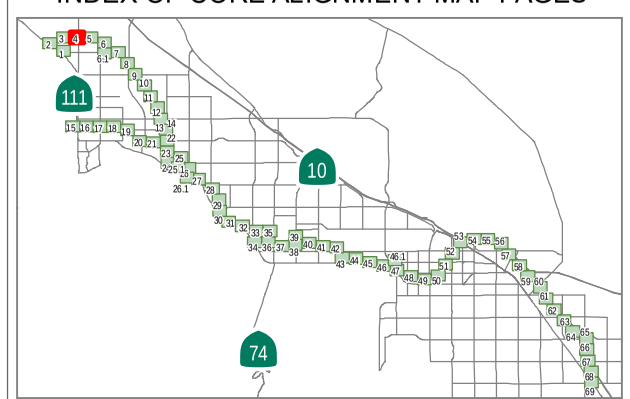

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1 in = 250 ft

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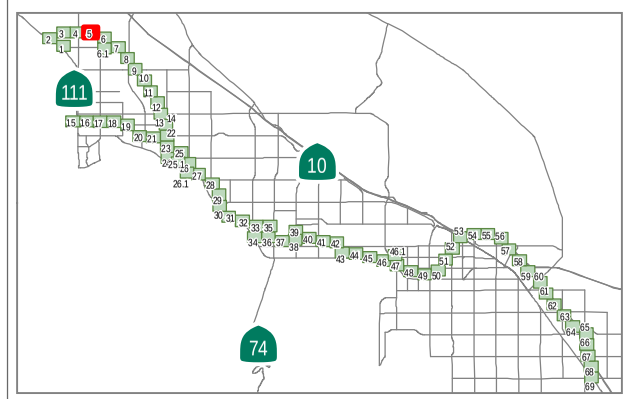

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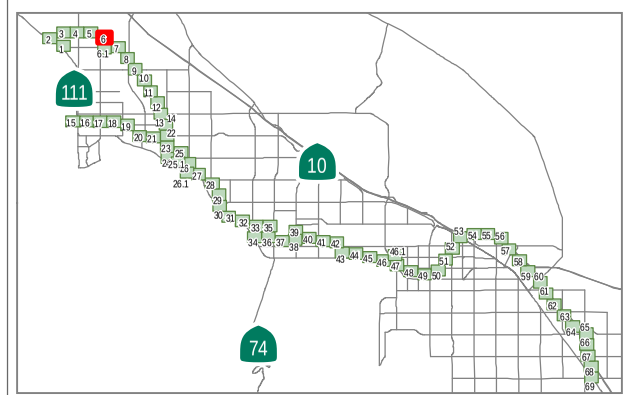

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Date: 9/30/2016

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PALM SPRINGS

PRIVACY CONCERNS

PRIVACY CONCERNS

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669330045
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CV LINK

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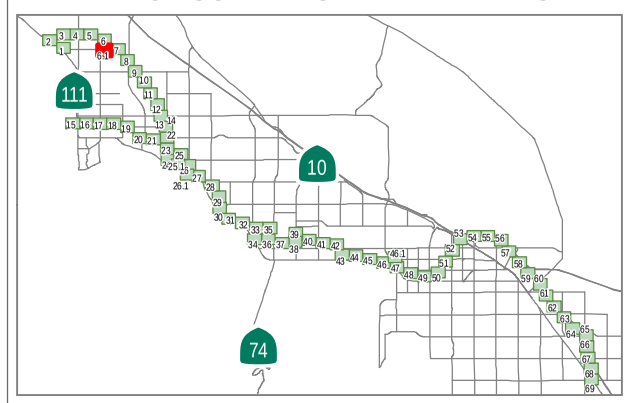

CVAG

Data obtained from CVAG, MSA CONSULTING, INC. CALSIL, RCTLMA, ACBCI, CVWD, and RCFCWCD

Date: 9/30/2016

0 125 250 FT.

1 in = 250 ft

Map Page 6.1

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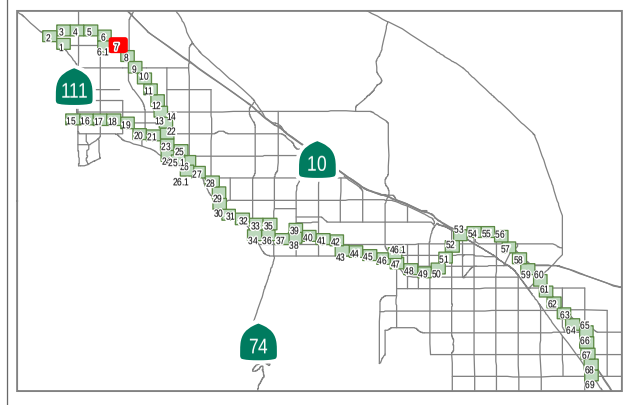

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0 125 250 FT.

1 in = 250 ft

Map Page 7

PALM SPRINGS

BRIDGE OVER OUTFLOW OR CHANNEL BOTTOM CROSSING USING RCFC RAMPS

CHANNEL MAINTENANCE ACCESS

AP

SUNBEAM WAY

SAVANNA WAY

WINDMILL WAY

DESERT BREEZE WAY

ALEXANDER CLUB DR

WHITEWATER CLUB DR

669470034 669490002 669480029 669600001 669590006 669590005 669590004 669590003 669590002 669590001 669590012 669590064 669590013 669590065 669590015 669590016 669590061 669590017 669590018 669480027 669590019 669590020 669590021 669590022 669590023 669590024 669590025 669590057 669590026 669590066 669590060 669590028 669590027 669590029 669590031 669590030 669590032 669590033 669590034 669590059 669590035 669590063 669590067 669590053 669590054 669590052 669590055 669590058 669590049 669590045 669590047 669590050 669590044 669590048 669590051 669590046 669590039 669590056 669590043 669590041 669590038 669590036 669590040 669590037 669590042 669490005 660300001 660300002 660300003 660300004 501241021 501241022 501241023 501241024 501241025 501254001 501254002 501254003 501254004 501254005 501254006 501254008 501620010 501620011 501620012 501620013 501620014 501620009 501620008 501620022 501620021 501620023 501620024 501620025 501620029 501620007 501620006 501620005 501620020 501620019 501620018 501620004 501620026 501190011 501190002 677020017

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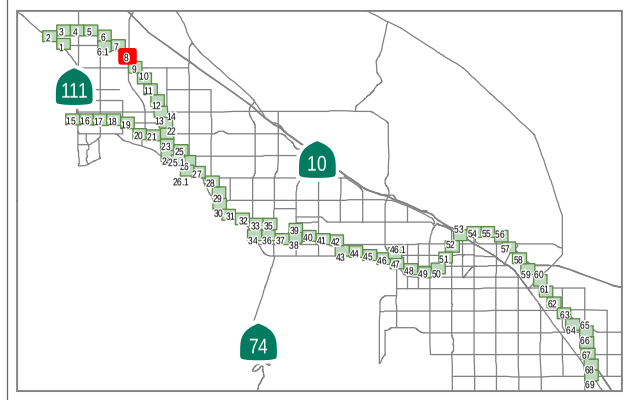

CVAG

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Date: 9/30/2016

0 125 250 FT.

1 in = 250 ft

Map Page 8

PALM SPRINGS

ART- WIND SCULPTURE

GENE AUTRY OVERCROSSING

CHANNEL MAINTENANCE ACCESS

Agua Caliente Indian Reservation

WHITEWATER CLUB DR

LOS ALAMOS RD

VERONA RD

VINCENTIA RD

VENTURA RD

GENE AUTRY TRL

CV LINK

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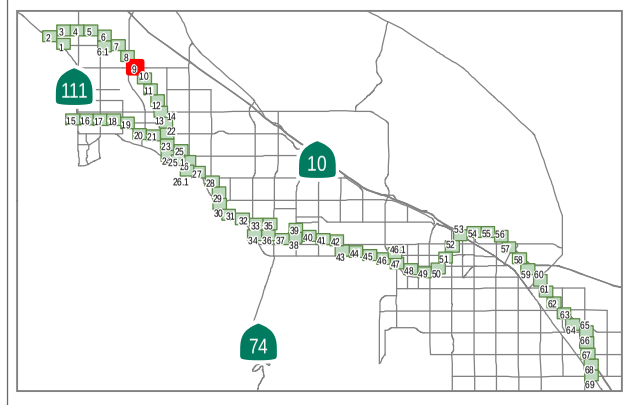

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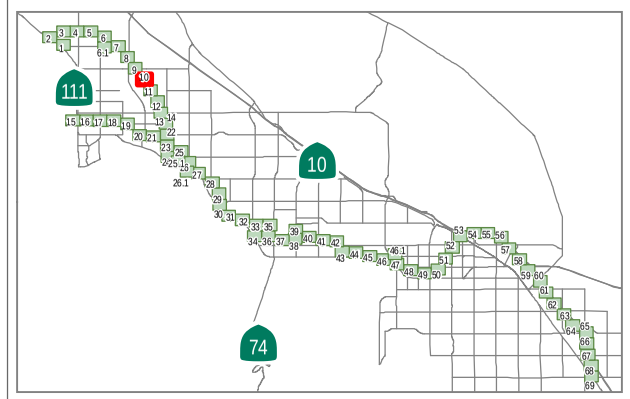

CVAG

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Map Page 10

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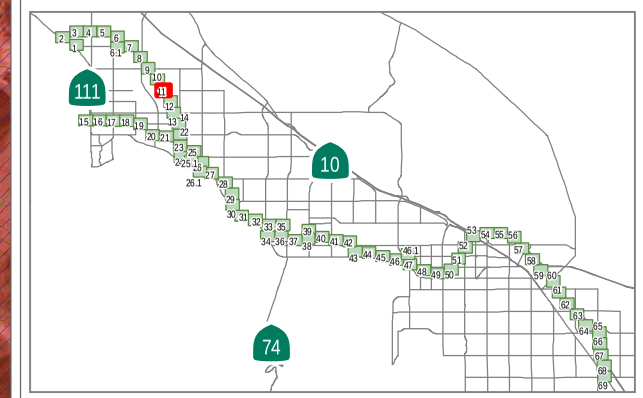

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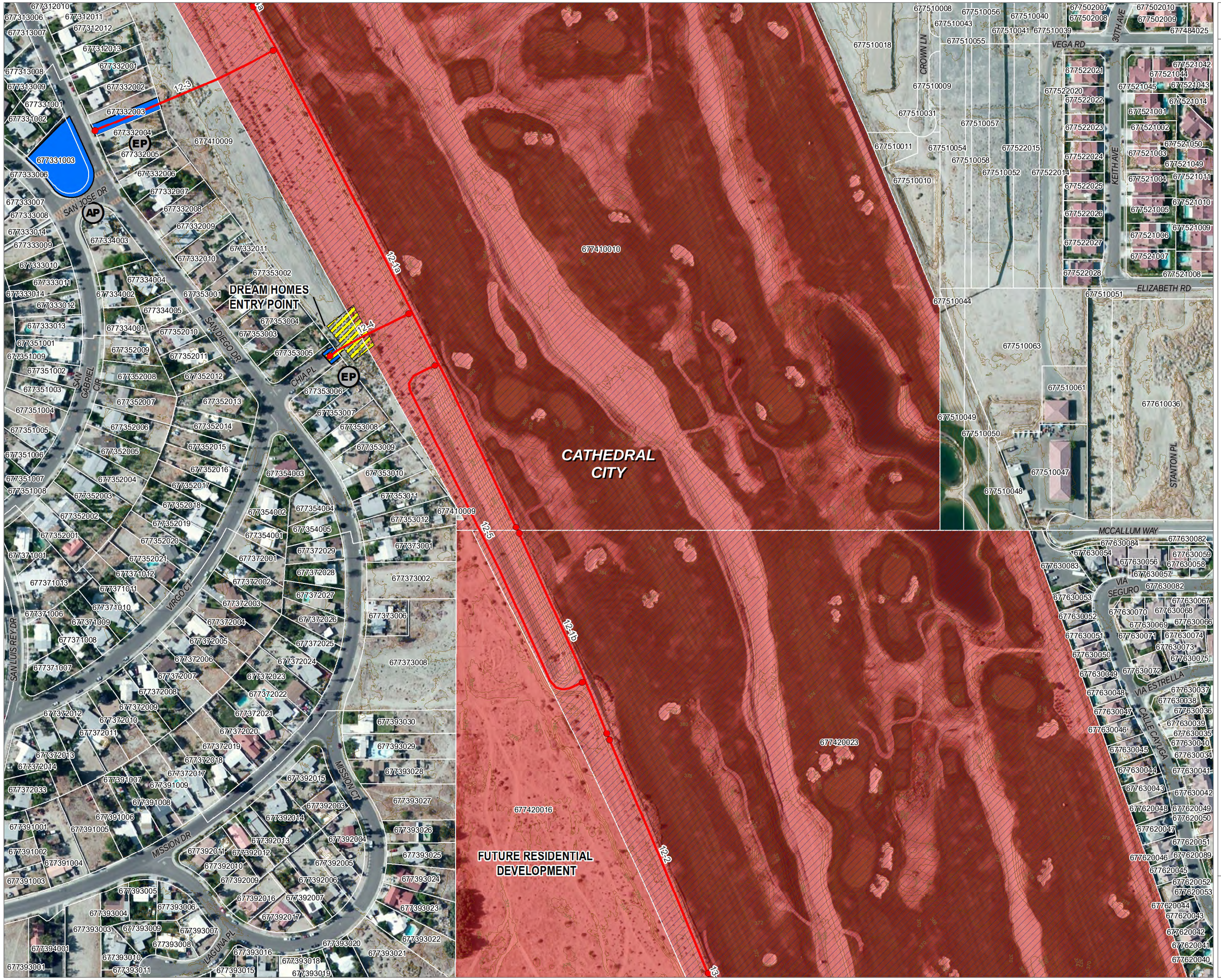

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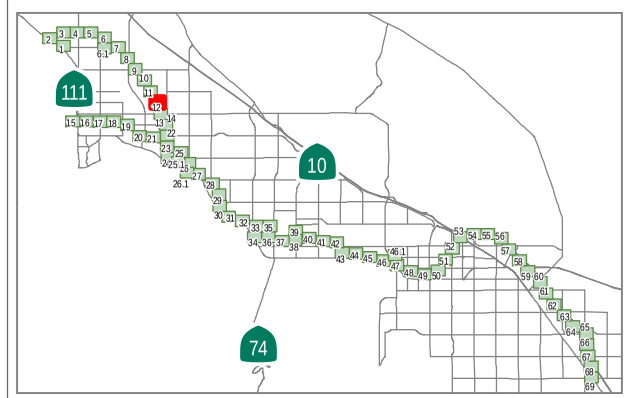

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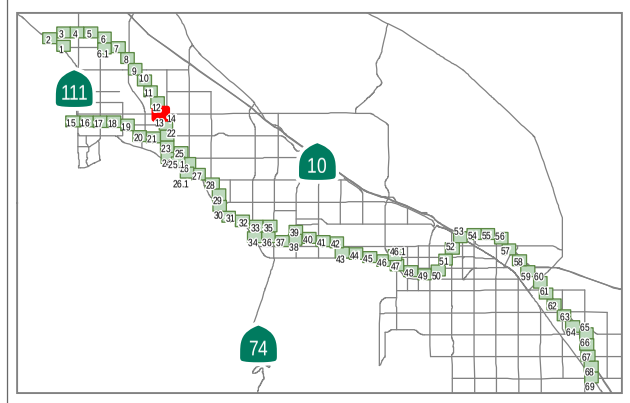

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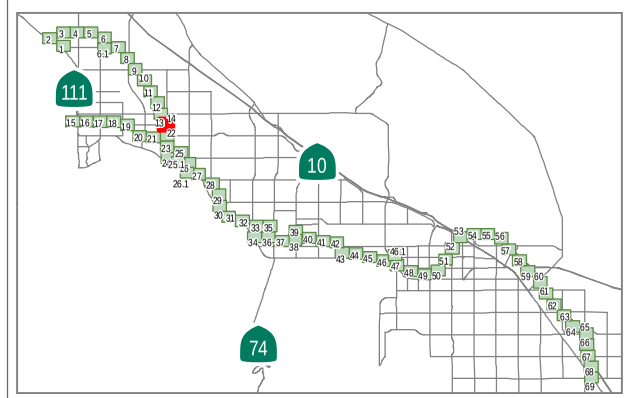

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N

0 125 250 FT.

1 in = 250 ft

Data obtained from CVAG, MSA CONSULTING, INC. CALSIL, RCTLMA, ACBCI, CVWD, and RCFCWCD

Date: 9/30/2016

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CV LINK

MAPBOOK UPDATE

LEGEND

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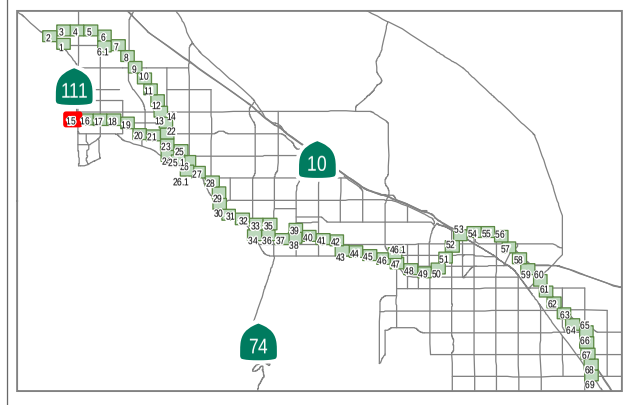

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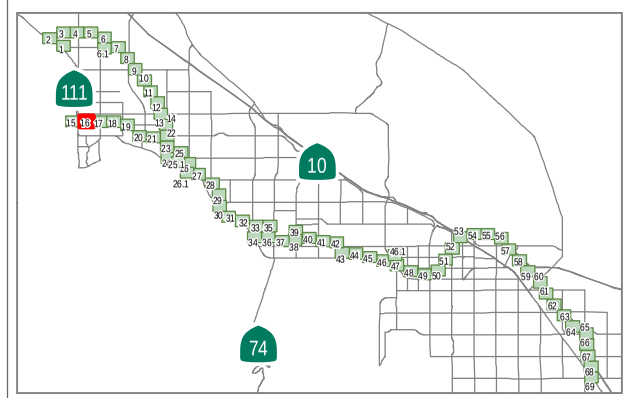

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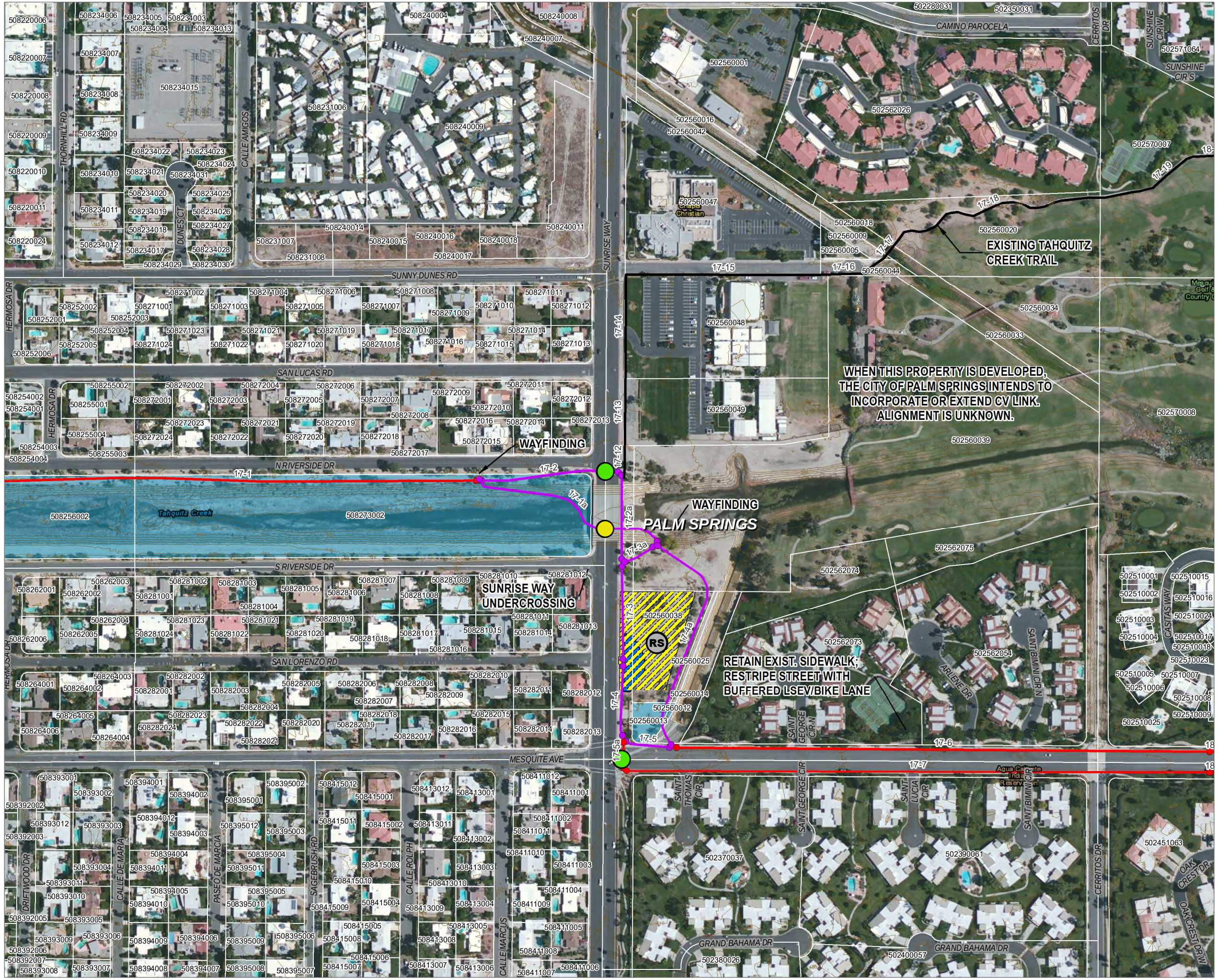

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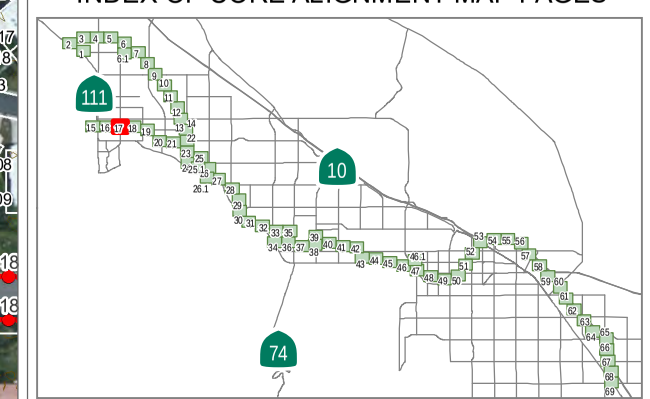

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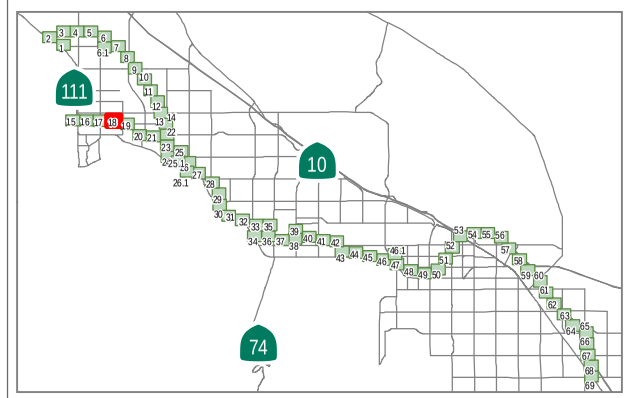

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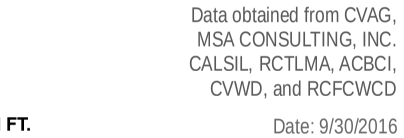

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Date: 9/30/2016

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SUNSHINE DR
SUNSHINE CIR E
SUNSHINE CIR S
502571064
502572060
502574022
502580003
502570007
502570008
18-11
18-12
18-13
18-14
18-15
18-16
18-17
502582022
COMPADRE RD
ROXBURY DR
BEDFORD DR
BEVERLY DR
SUNNY DUNES RD
Bel Air Greens
Mesquite Golf & Country Club
FARRELL DR
PALM SPRINGS
502590011
Tahquitz Creek
RS
18-7
18-8
BEL AIR GREENS
502590004
502591041
FARRELL DRIVE
AT-GRADE CROSSING
CASITAS WAY
502510015
502510016
502510017
502510018
502510019
502510020
502510021
502510022
502510023
502510024
502510009
502510010
502510011
502510012
502510013
502510014
502510025
502520019
502520015
502520013
502520016
502520010
502520014
502520012
502520018
502520017
502520001
502520002
502520004
502520003
502520009
502520020
RETAIN EXIST. SIDEWALK; RESTRIPE STREET WITH BUFFERED LSEV/BIKE LANE
18-1
18-2
MESQUITE AVE
OAK CREST DR
502451063
502451064
502452069
OAK CREST DR E
502334012
502334013
502334010
502334011
502334006
502334007
502334009
502334008
502334005
SAN MATEO CIR
502334004
502334003
502334002
502334001
SAN MATEO DR
502332001
502332018
502332017
502332002
502332016
SAN JOAQUIN DR
502331001
502331002
502331003
502331004
502331005
502331006
502331007
Agua Caliente Indian Reservation
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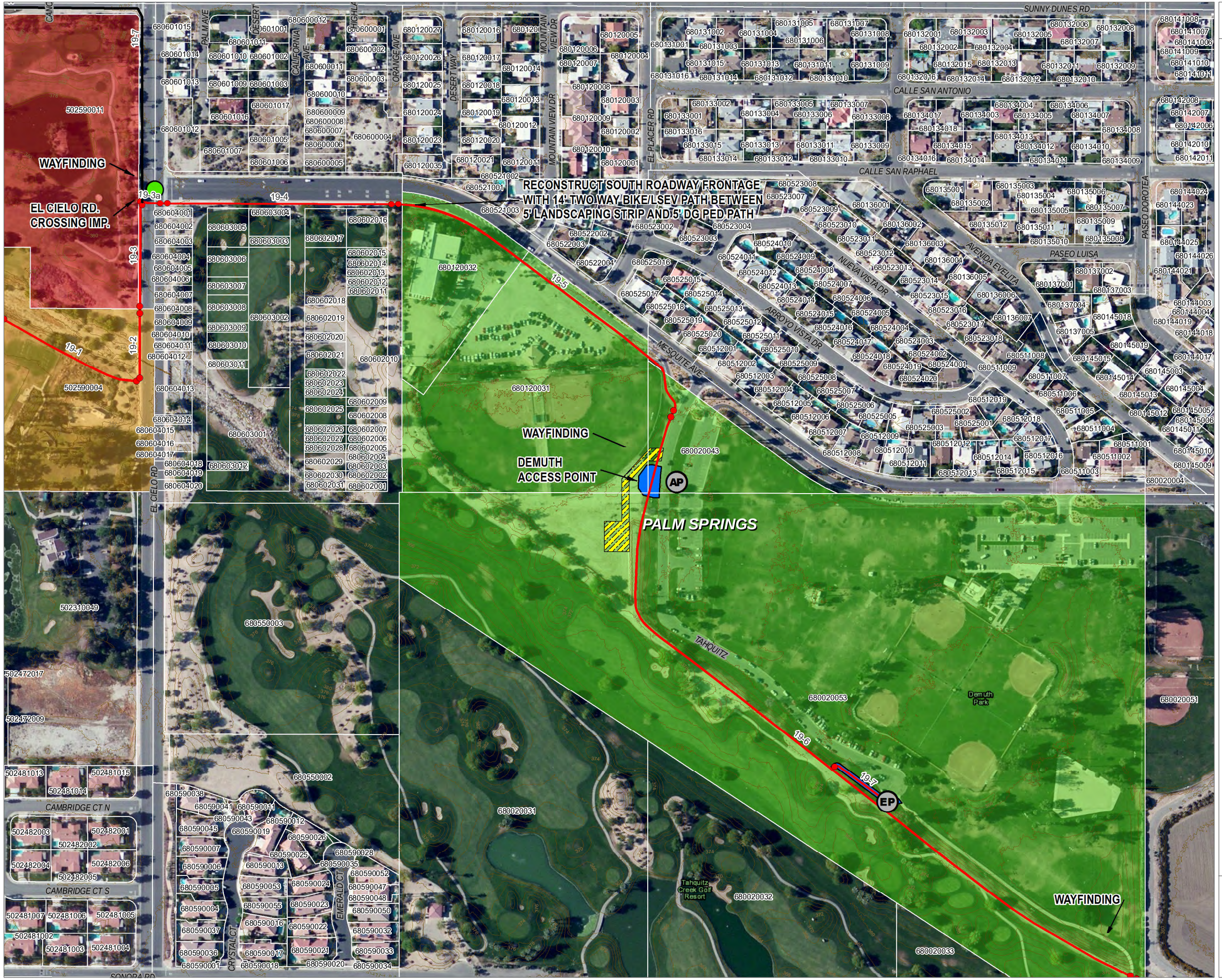
502472015
502472014
502472012
502472017
502472016
502472013
502472011
502472010
502472009



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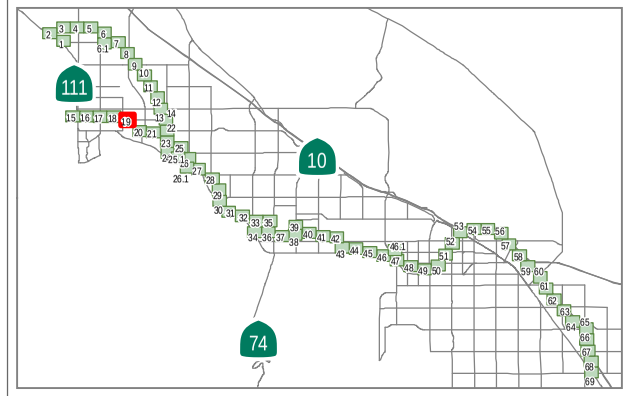

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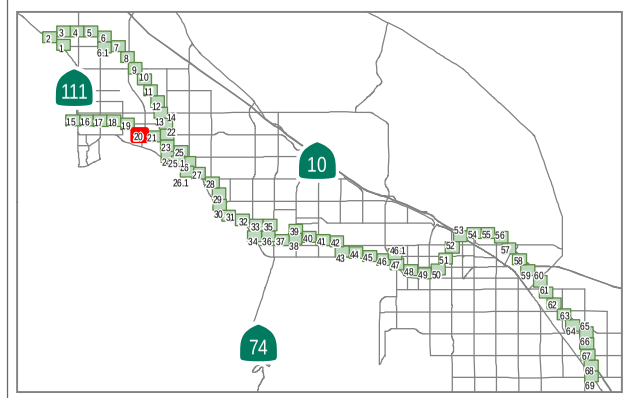

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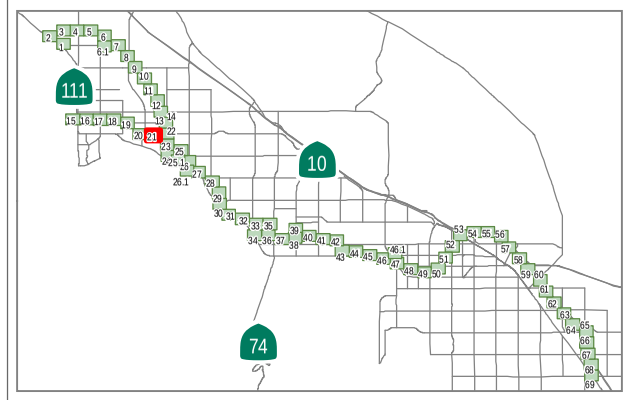

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POSSIBLE NEW PATH ACCESS TO WATER PARK

WAYFINDING

BIKE LANES END NARROW 4-LANE CROSS SECTION

SHARED USE PATH CONFLICT WITH DRIVE

GOLF CLUB AT-GRADE CROSSING

WAYFINDING

GOLF CLUB AT-GRADE CROSSING

PALM SPRINGS

CROSSLEY RD

34TH AVE

CHERRY HILLS DR

MENLO CIR

BRENTWOOD DR

BOB O'LINK LN

PEBBLE BEACH DR

FAIRWAY CIR

PARADISE PLAZA

MIRAMAR PLAZA

LOS ALTOS DR

LOS COYOTES DR

GOLF CLUB DR

MONTECITO DR

ARROYO RD

Tahquitz Creek Golf Resort

CV LINK

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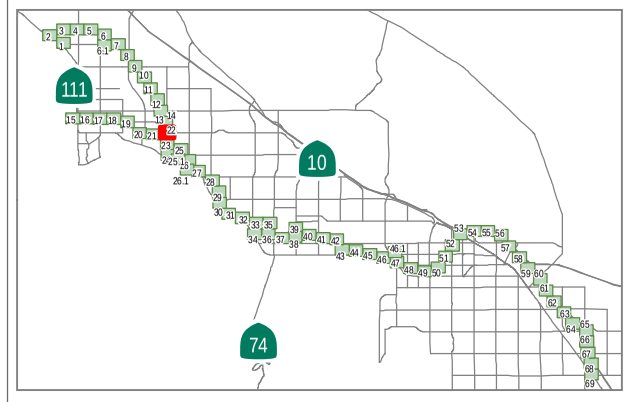

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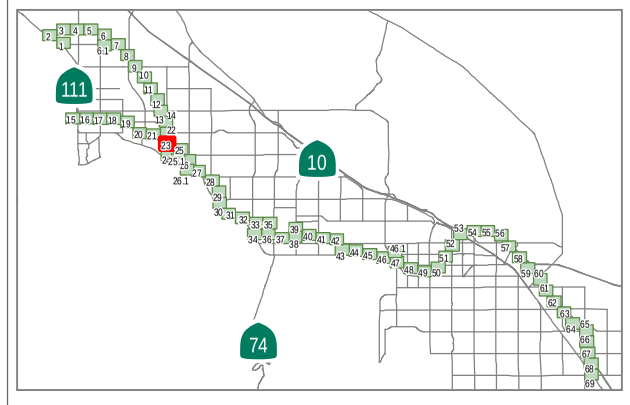

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LIMITED WIDTH
WIDEN EXIST. PATH

TAHQUITZ CREEK GC ROW CONSTRAINT

14' WIDE SHARED USE CONCRETE PATH THROUGH CHANNEL CONFLUENCE

TAHQUITZ CHANNEL AT GRADE CROSSING

TAHQUITZ CHANNEL AT GRADE CROSSING

14' WIDE SHARED USE CONCRETE PATH THROUGH CHANNEL CONFLUENCE

LIMITED WIDTH
NO BUILD ALT

CATHEDRAL CITY

PALM SPRINGS

CATHEDRAL CITY

Whitewater River

Tahquitz Creek Golf Resort

Cathedral Canyon Country Club

Cathedral City

Palm Springs

CV LINK

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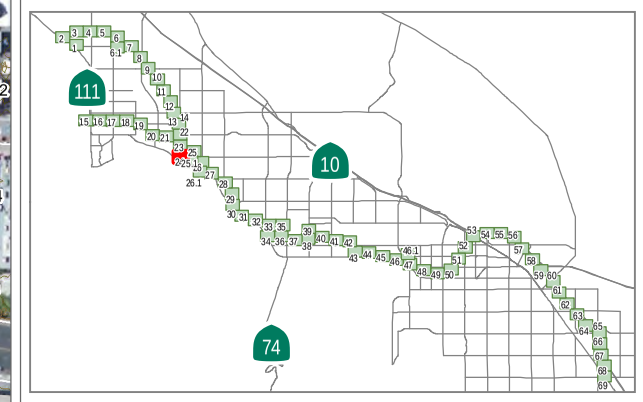

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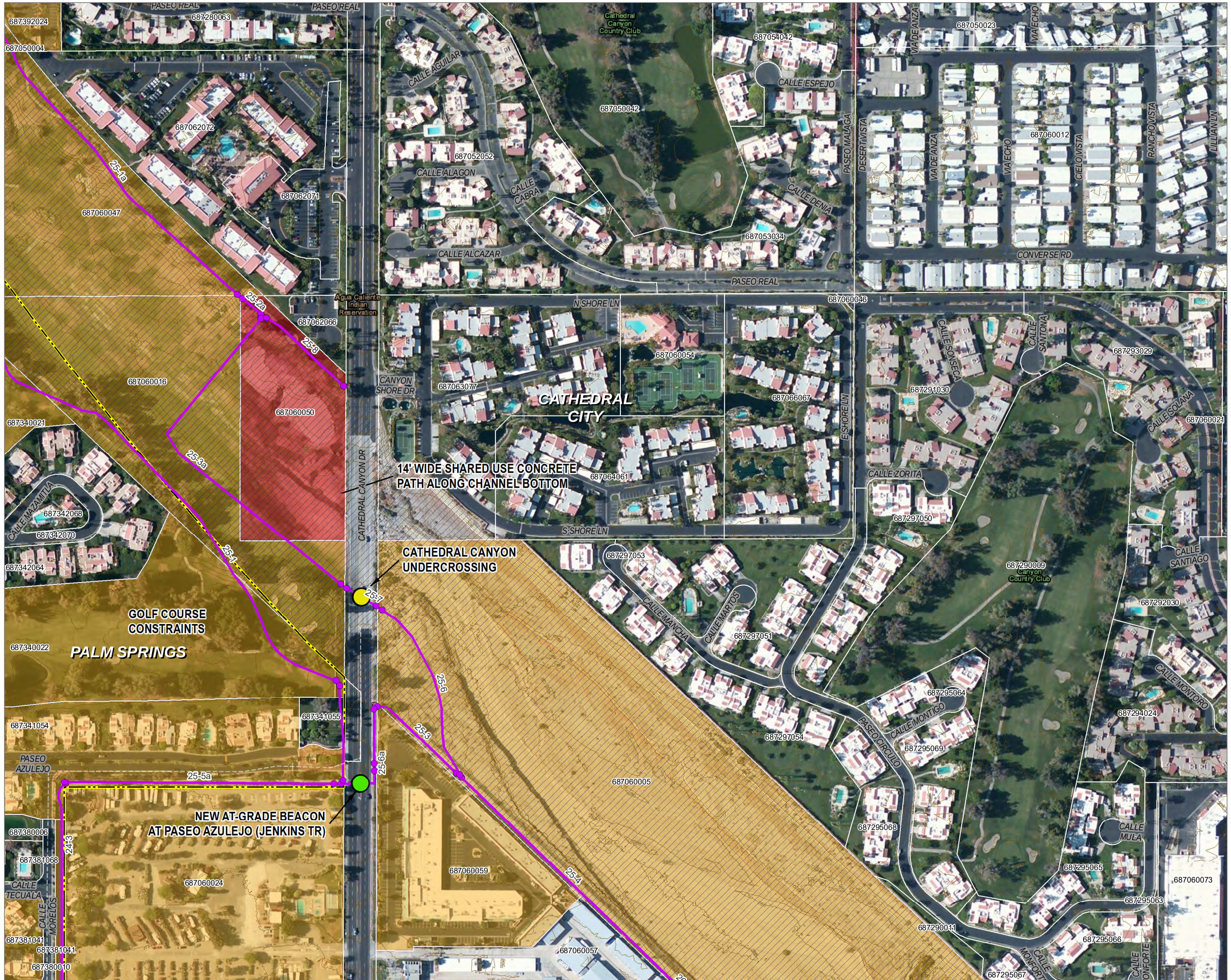

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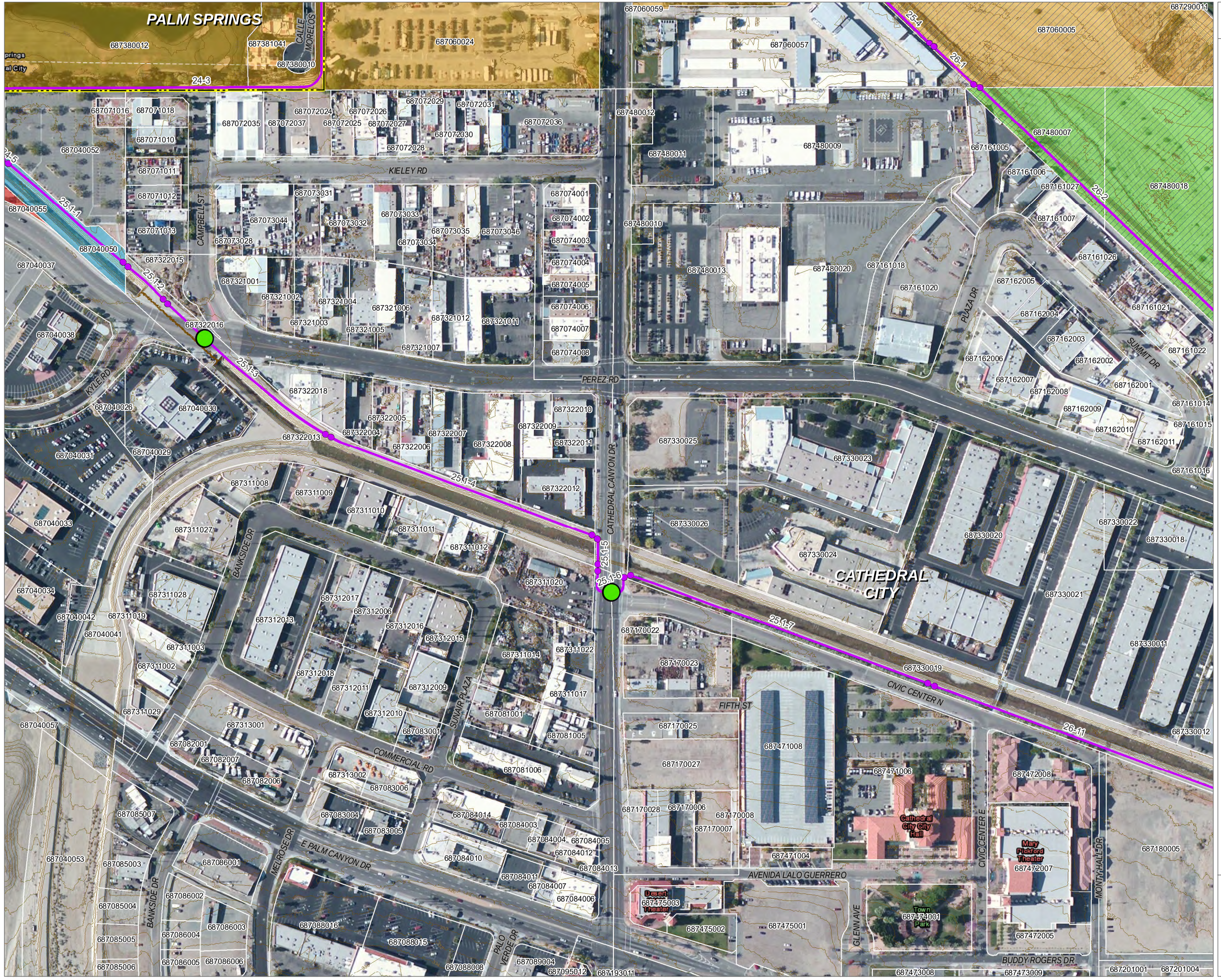

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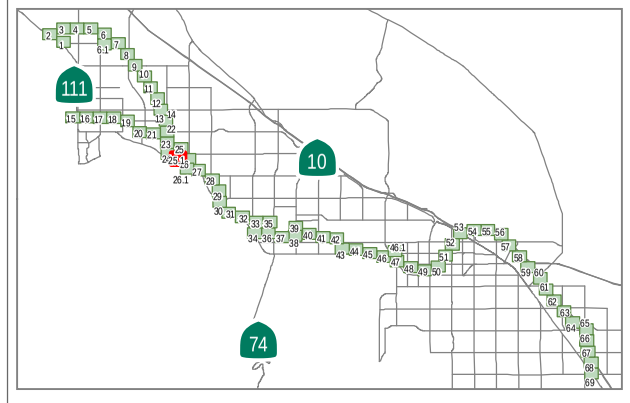

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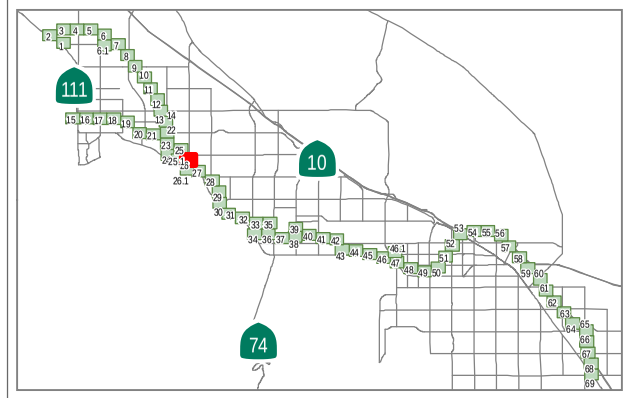

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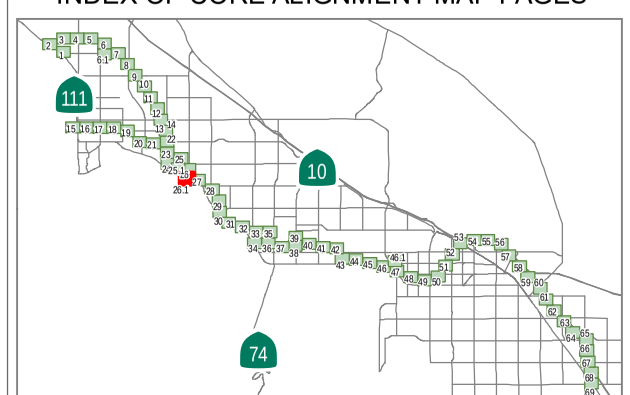

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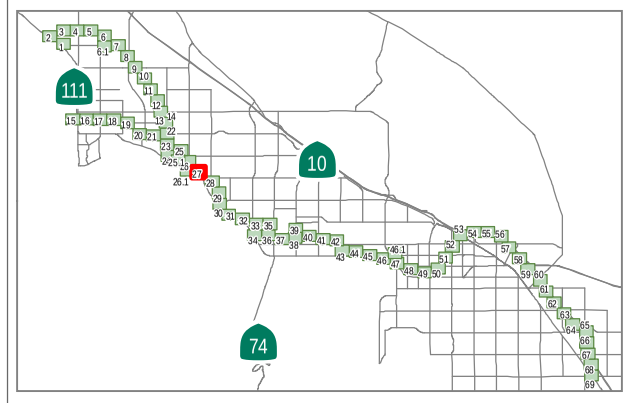

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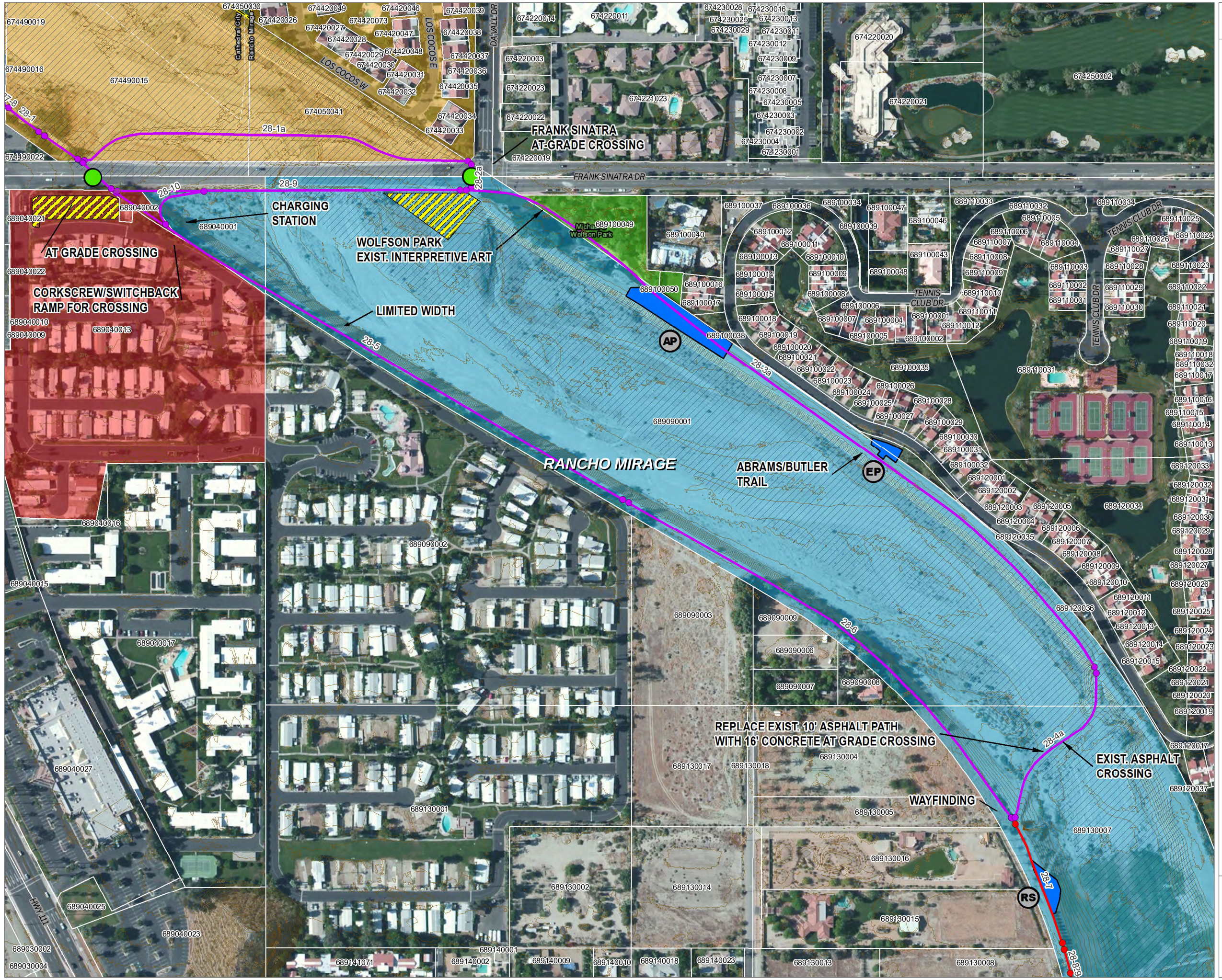

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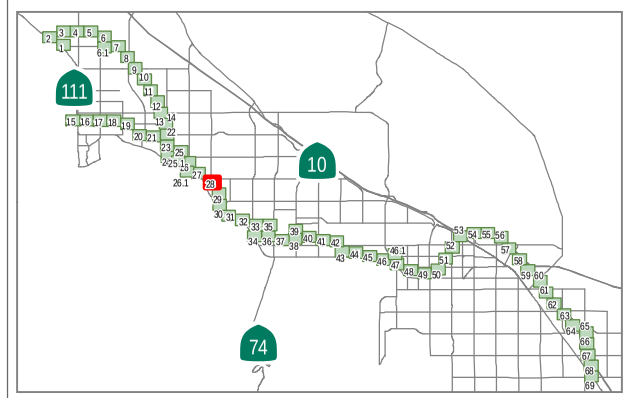

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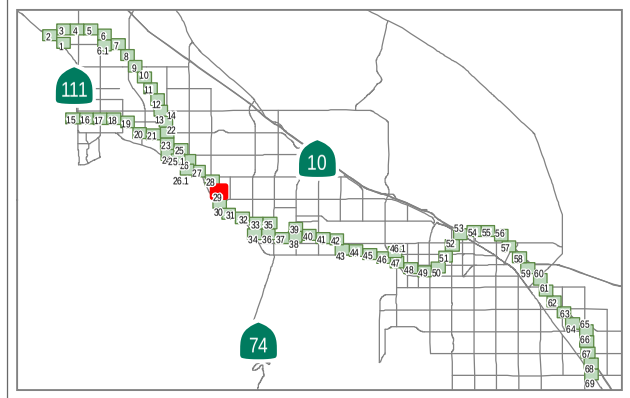

CVAG

Data obtained from CVAG, MSA CONSULTING, INC. CALSIL, RCTLMA, ACBCI, CVWD, and RCFCWCD

Date: 9/30/2016

0 125 250 FT.

1 in = 250 ft

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CV LINK

MAPBOOK UPDATE

LEGEND

CV LINK Route

- Alignment Determined
- Alignment with Alternatives
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Ownership of Potentially Affected Parcels

- Private
- Public
- Tribal
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- Undercrossing
- Overcrossing

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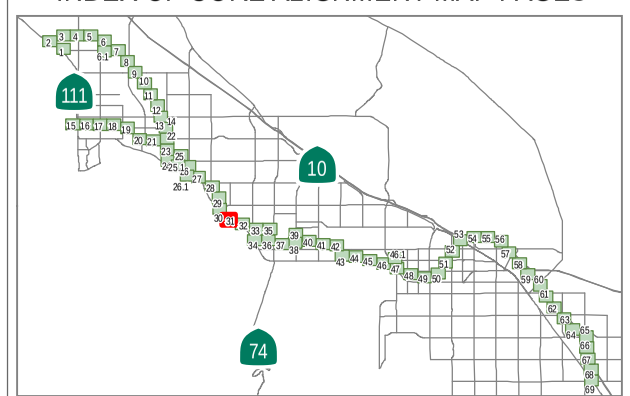

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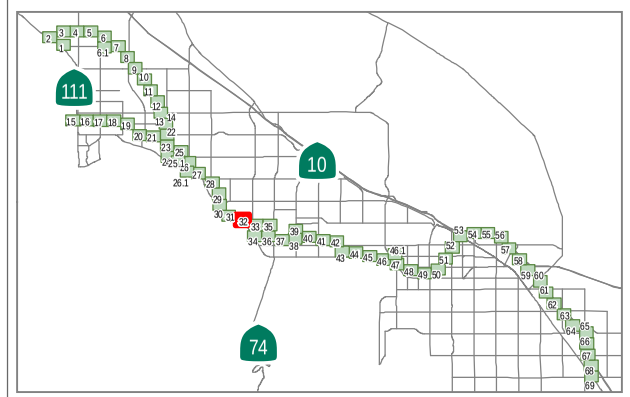

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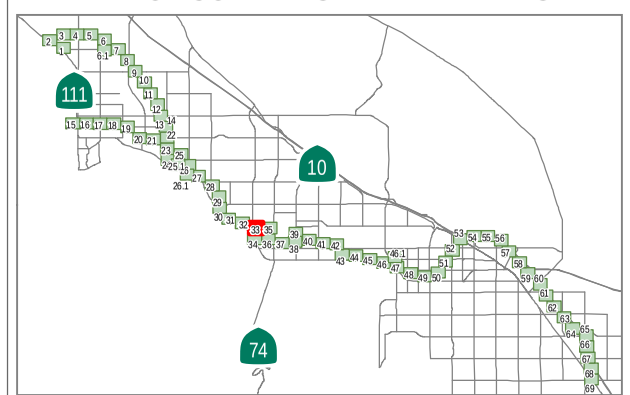

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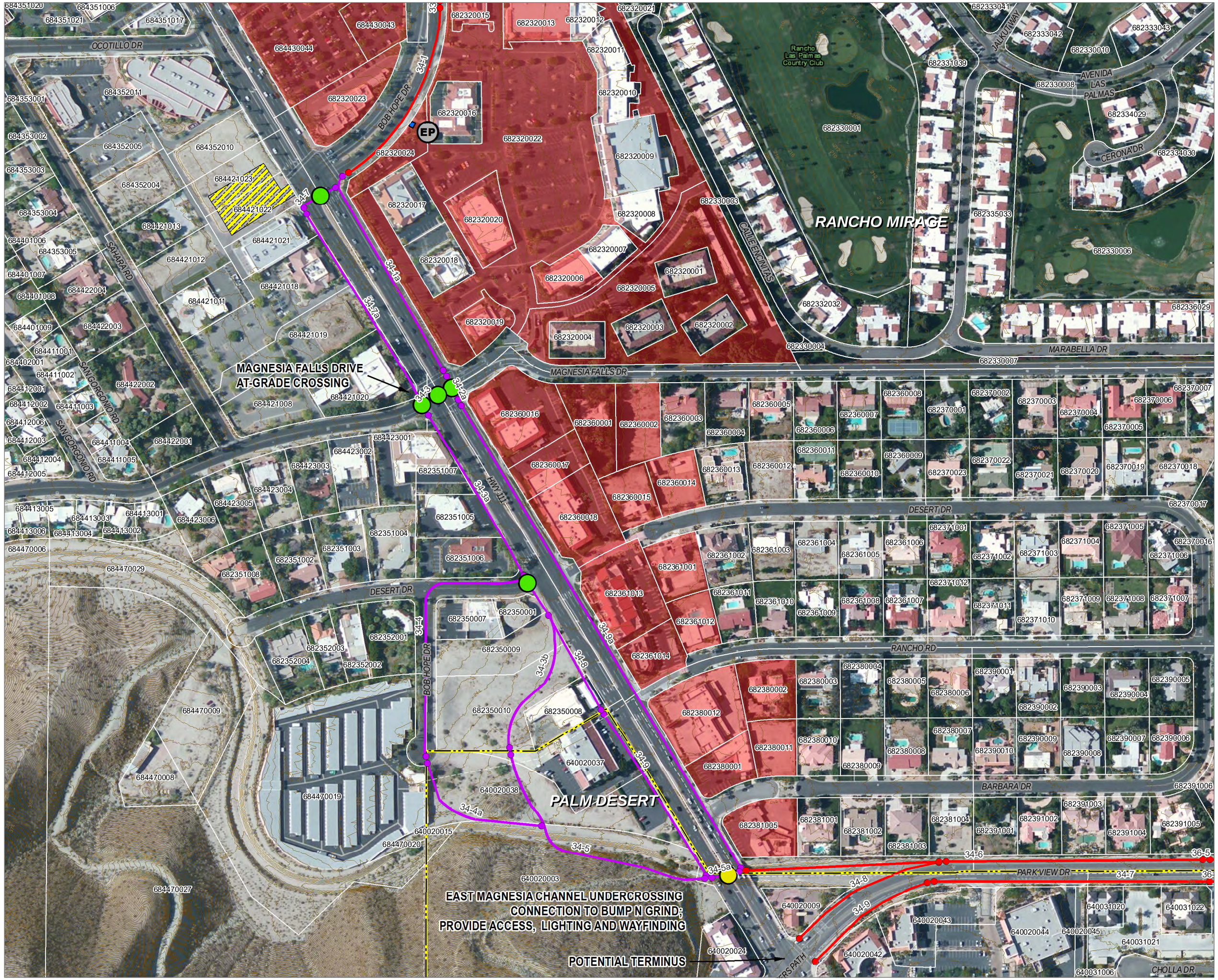

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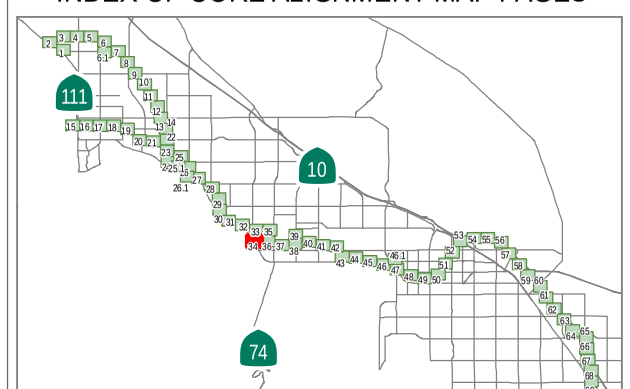

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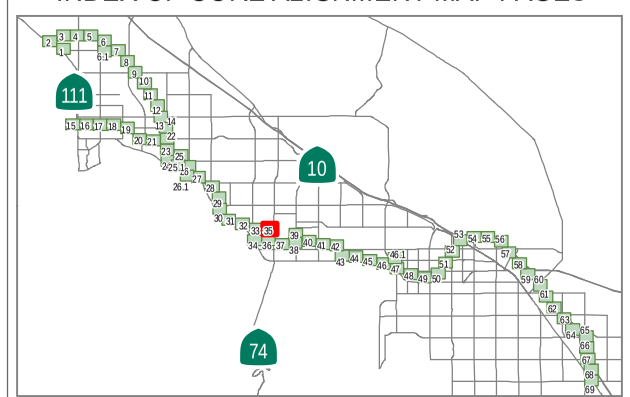

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RANCHO MIRAGE

PALM DESERT

WAYFINDING

WAYFINDING

INSTALL 14' WIDE TWO-WAY PATH ON NORTH SIDE OF EXISTING BRIDGE BY REMOVING LEFT TURN LANE

TWO WAY PATH ON EAST SIDE OF MONTERREY

MONTEREY AVE AT-GRADE CROSSING

Rancho Las Palmas Country Club

ALFARO DR

SAN SEBASTIAN DR

WHITE SUN WAY

PRISTINA CT

VISTARA DR

MESQUITE RIDGE LN

STONECREST CIR

FLEETWOOD CIR

PARK VIEW DR

MAGNESIA FALLS DR

MAGNESIA FALLS AVE

RANCHO RD

JOSHUA RD

CHOLLA DR

MARABELLA DR

W TORREMOLINOS DR

E TORREMOLINOS DR

S TORREMOLINOS DR

DURANGO DR

DURANGO CIR

RONDA DR

MONTEREY AVE

CASTELLANA W

FLORENTINA DR

NOVATO TER

MARRISSA DR

PASEO VISTA CIR

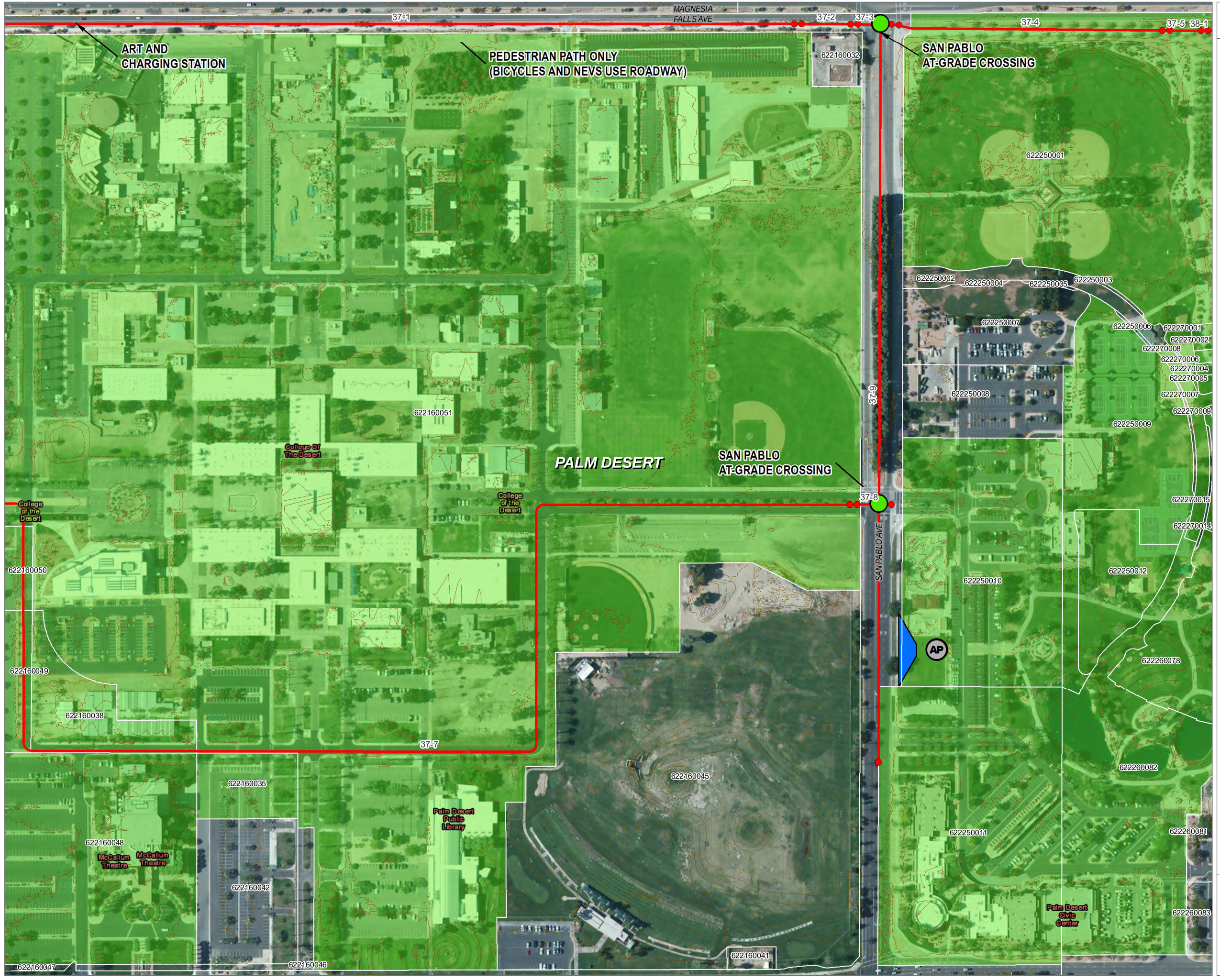
PASEO VISTA WAY

SAN JUAN DR

ACACIA DR

MIMOSA DR

FAIRHAVEN DR



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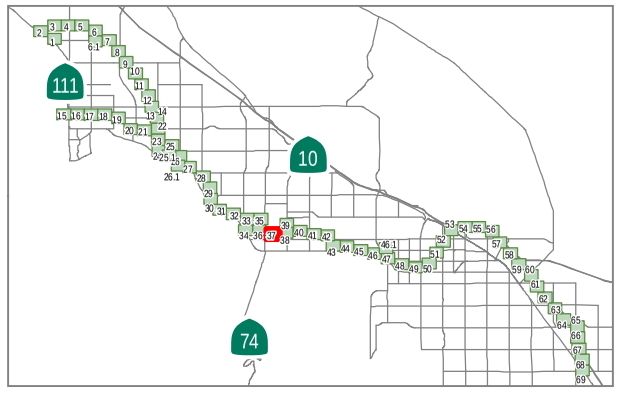

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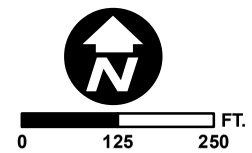

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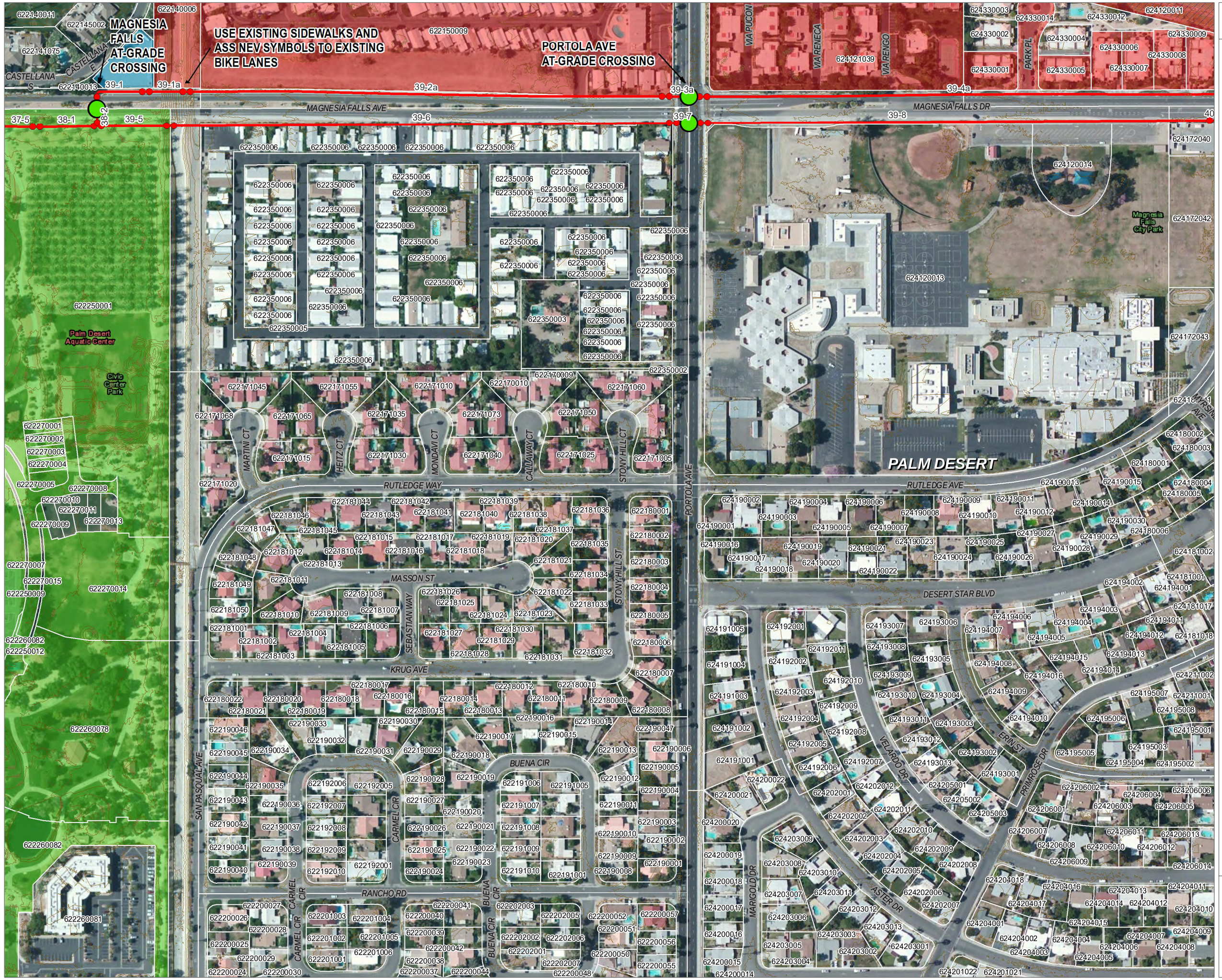

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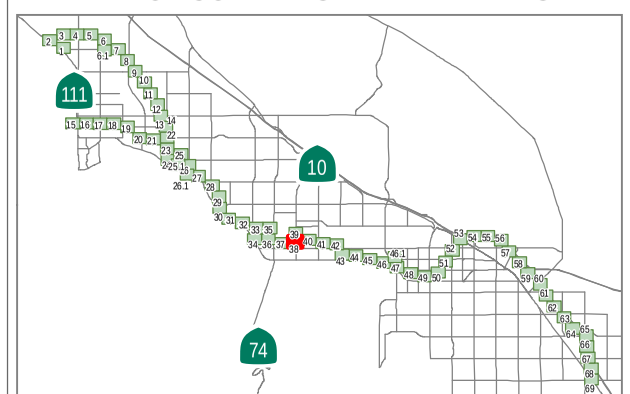

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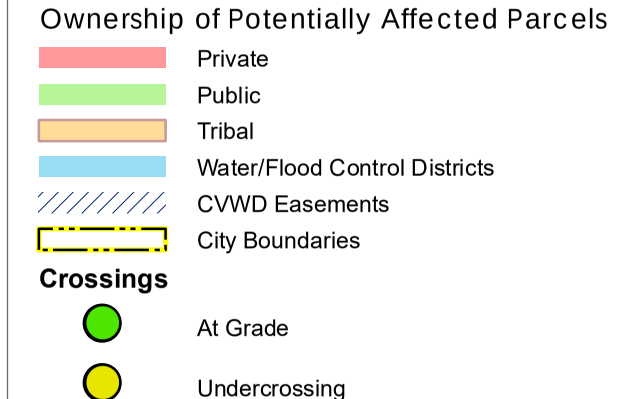

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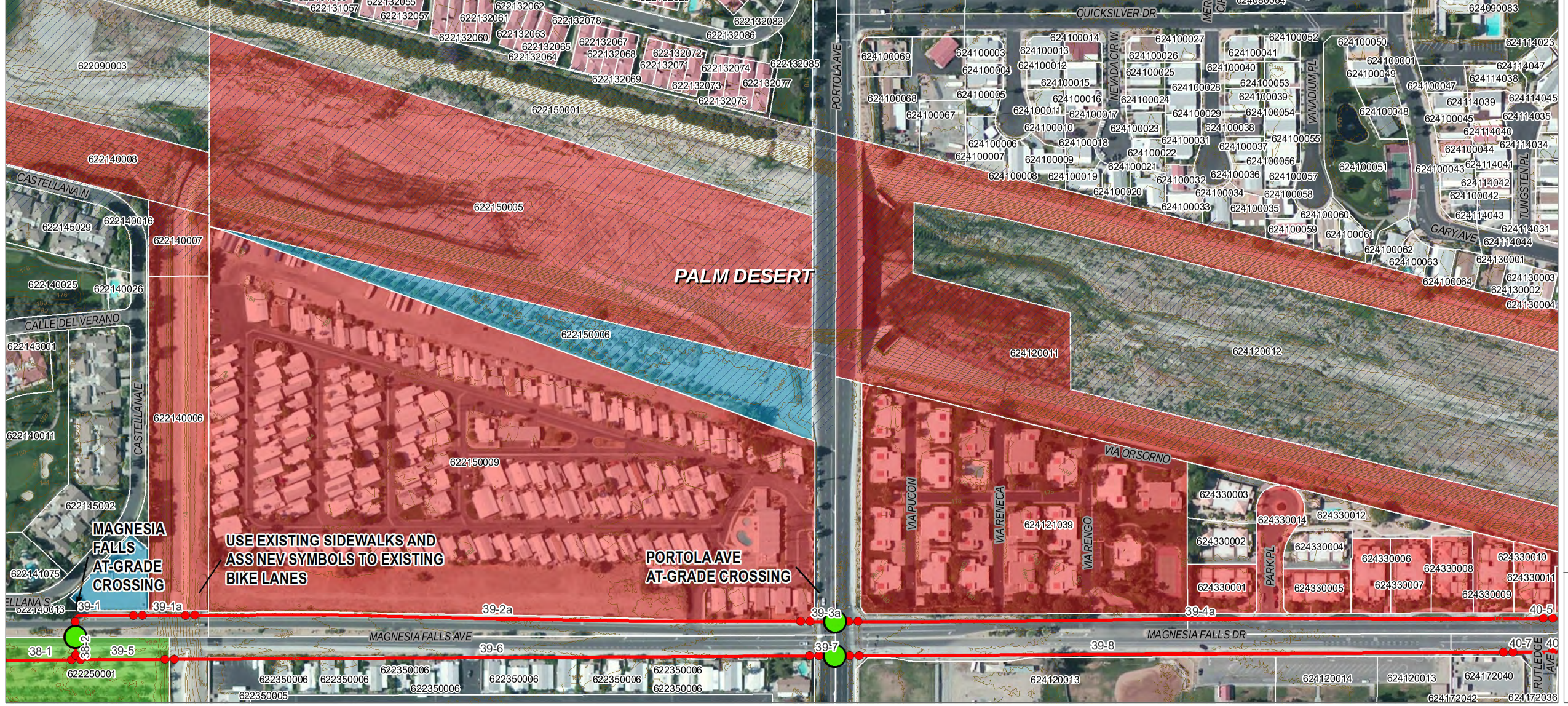

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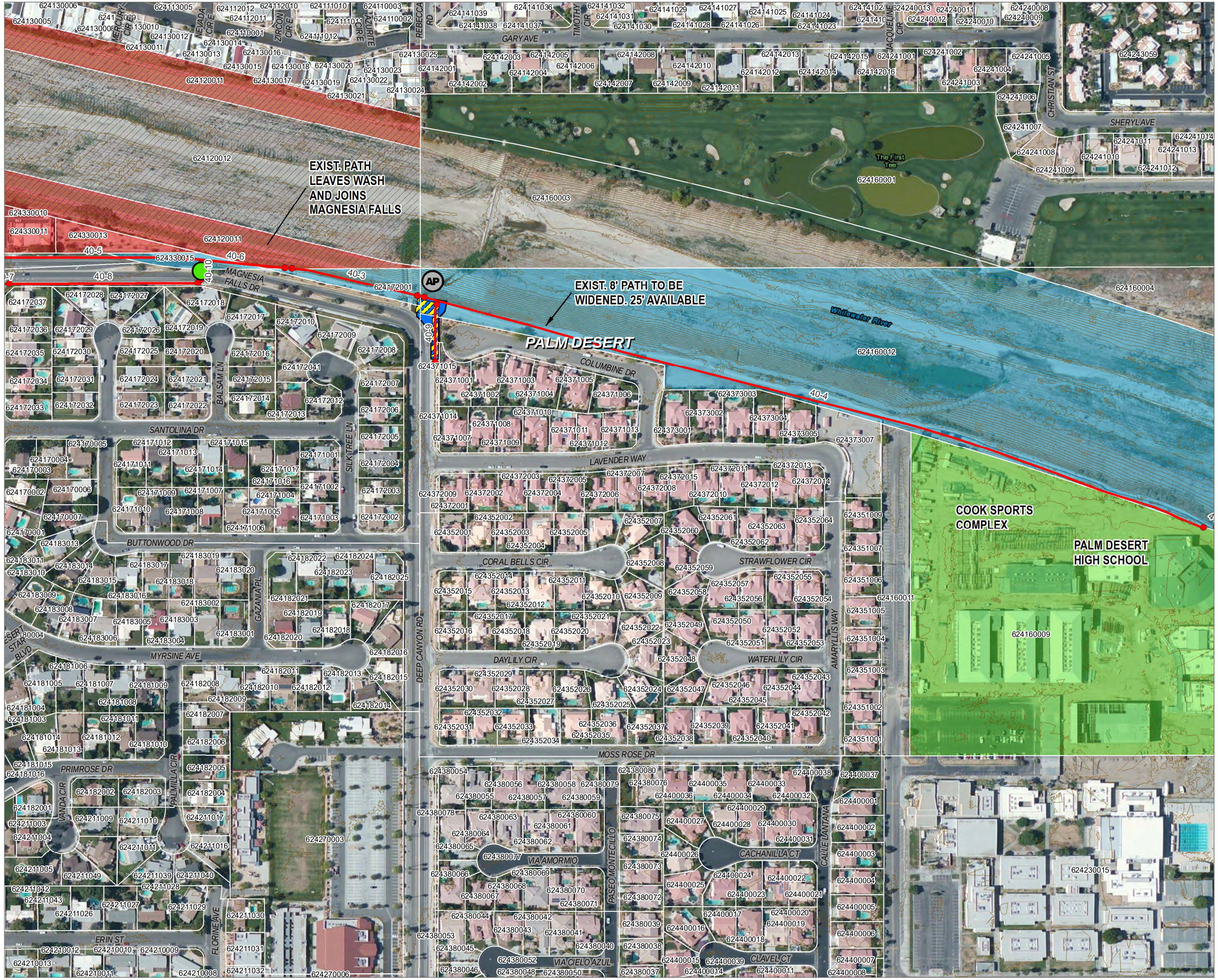

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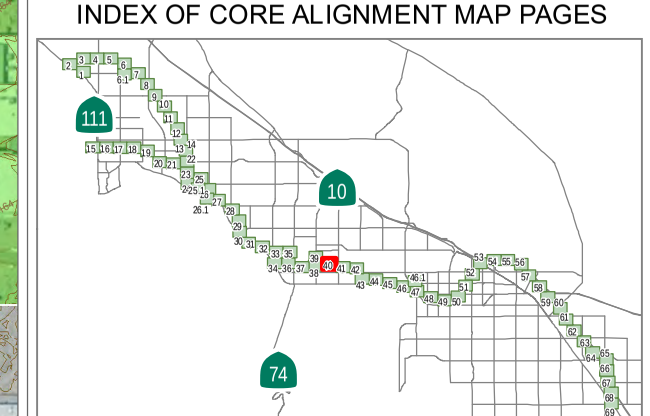

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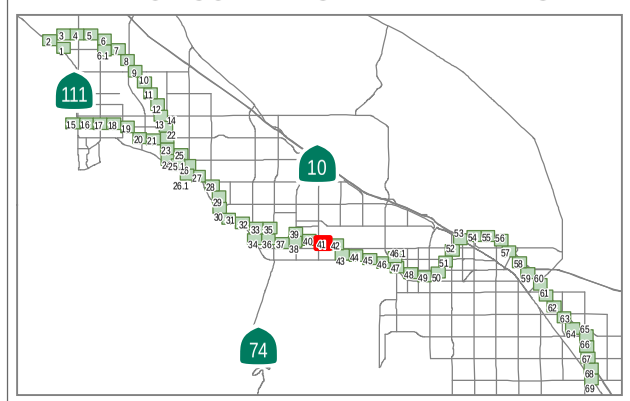

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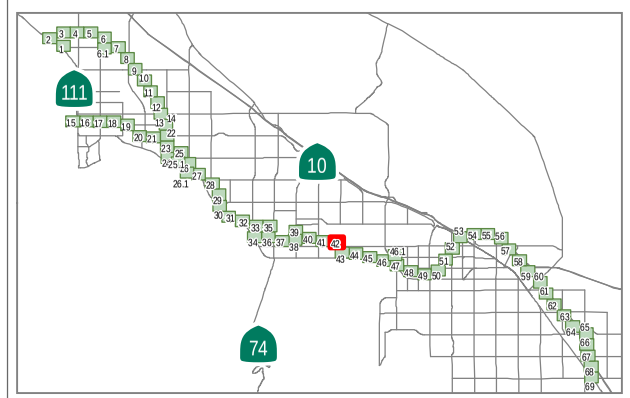

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VIA SENA
VIA LUCCA
VIA GHIANTI
VIA TOSCANA
VIA CORTONA
VIA FIRENZE
44TH AVE
CAMINO DE PACO
SPYGLASS DR
WINGED FOOT DR
SANTA ROSA DR
GUADALUPE DR
ELDORADO DR
Tuscana Country Club
INDIAN WELLS
634270007
634270004
634270005
634270011
634300006
634300007
634270003
634270001
634300010
634300001
634040021
634040020
634270009
634270010
633770002
633770001
633770015
633640016
633150073
633150032
633150052
633150074
INTERPRETATION: POWER AND ENERGY
EXIST. SHADE TREES AND AMBIANCE
INDIAN WELLS SUBSTATION (MAJOR INSTALLATION)
FUTURE UNDERCROSSING
POTENTIAL TERMINUS
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42-1a
42-2
42-3
42-6
42-6a
42-7
42-8
42-8a
42-8b
42-8c
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42-11
42-12
42-13
AP
EP



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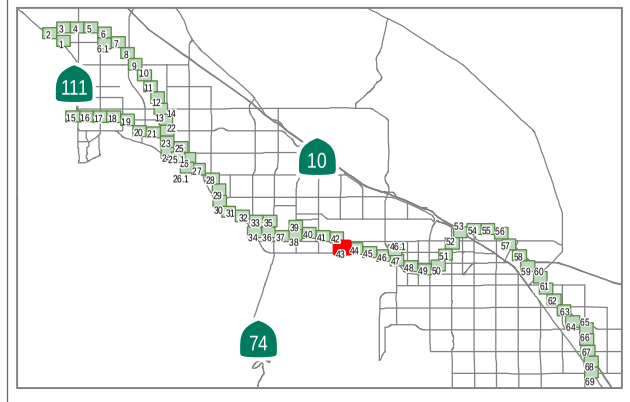

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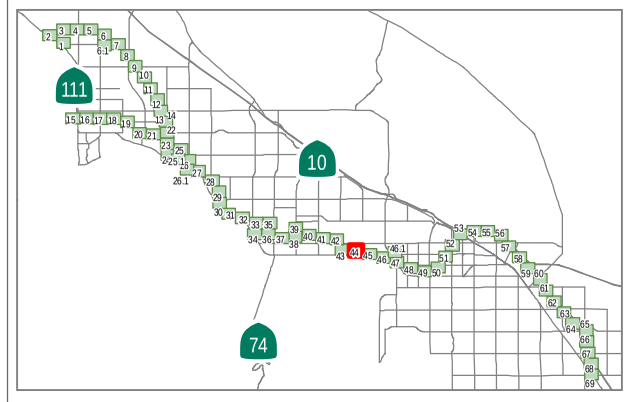

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REPLACE WITH HEAVY DUTY BRIDGE OR USE EXISTING

HYATT GRAND CHAMPIONS RESORT

INDIAN WELLS

UTILIZE EXISTING CROSS CHANNEL PATH AND STONE BRIDGE

CHARGING STATION

ESMERALDA HOTEL

HWY 111

INDIAN WELLS LN

CLUB DR

CASAS DE MARIPOSA

INCA DR

Indian Wells Golf Course

44-1 44-2 44-3 44-4 44-5 44-6 44-7 44-8 44-9 44-10 44-11 44-12 45-1 45-4a 45-8

633300002 633150073 633300001 633310014 633150028 633310012 633310025 633150078 633150077 633310004 633150071 633150044 633900005 633900008 633900042 633900007 633900043 633900006 633570067 633570068 633570049 633570048 633170014 633240042 633240040 633160078 633240030 633240031 633240034 633240037 633240039 633240036 633750056 633750054 633750055 633750053 633750052 633750044 633750050 633750051 633750035 633750034 633750033 633750041 633750040 633750011 633750023 633750012 633750027 633750037 633750022 633750013 633750038 633750039 633750018 633750019 633750016

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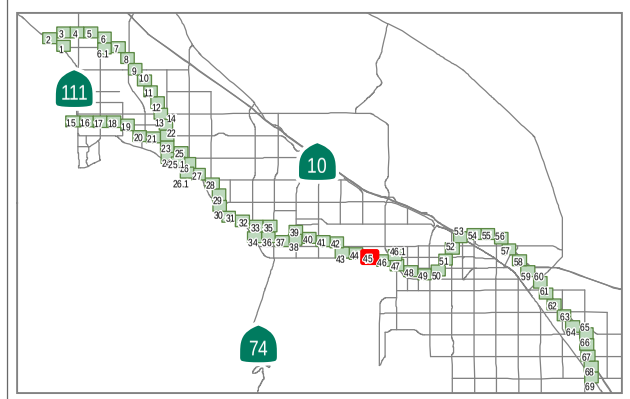

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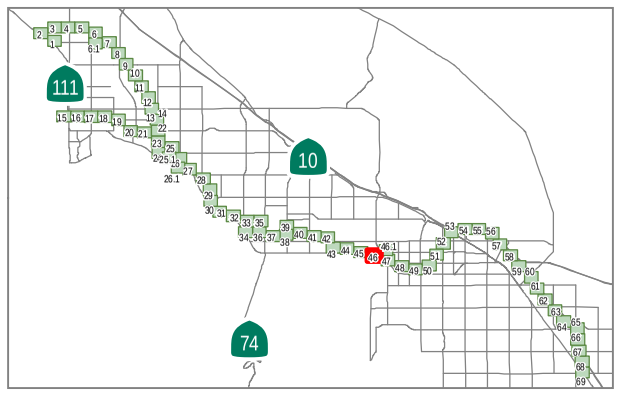

CVAG

Data obtained from CVAG, MSA CONSULTING, INC. CALSIL, RCTLMA, ACBCI, CVWD, and RCFCWCD

Date: 9/30/2016

0 125 250 FT.

1 in = 250 ft

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CV LINK

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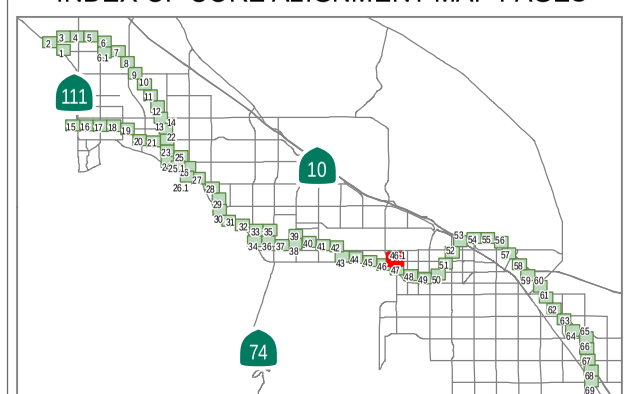

CVAG

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Data obtained from CVAG, MSA CONSULTING, INC. CALSIL, RCTLMA, ACBCI, CVWD, and RCFCWCD

Date: 9/30/2016

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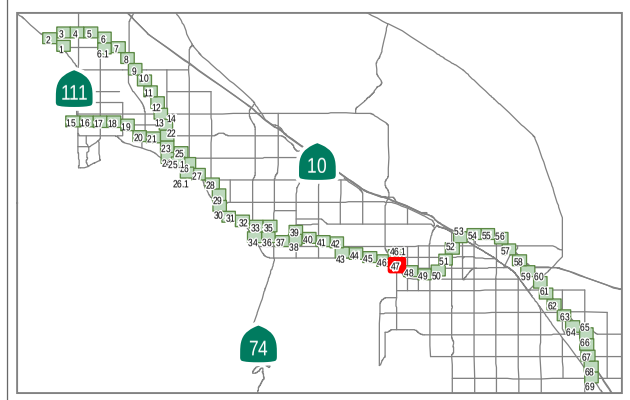

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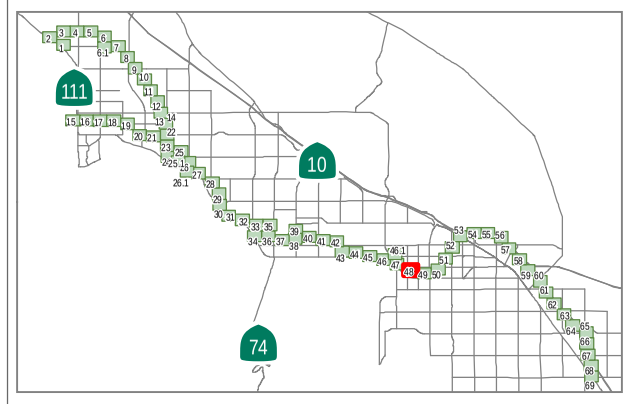

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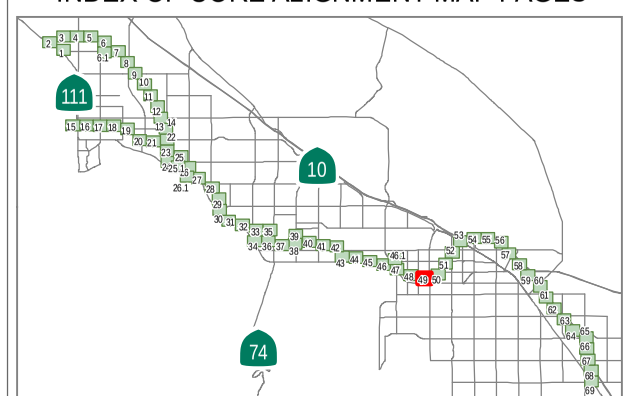

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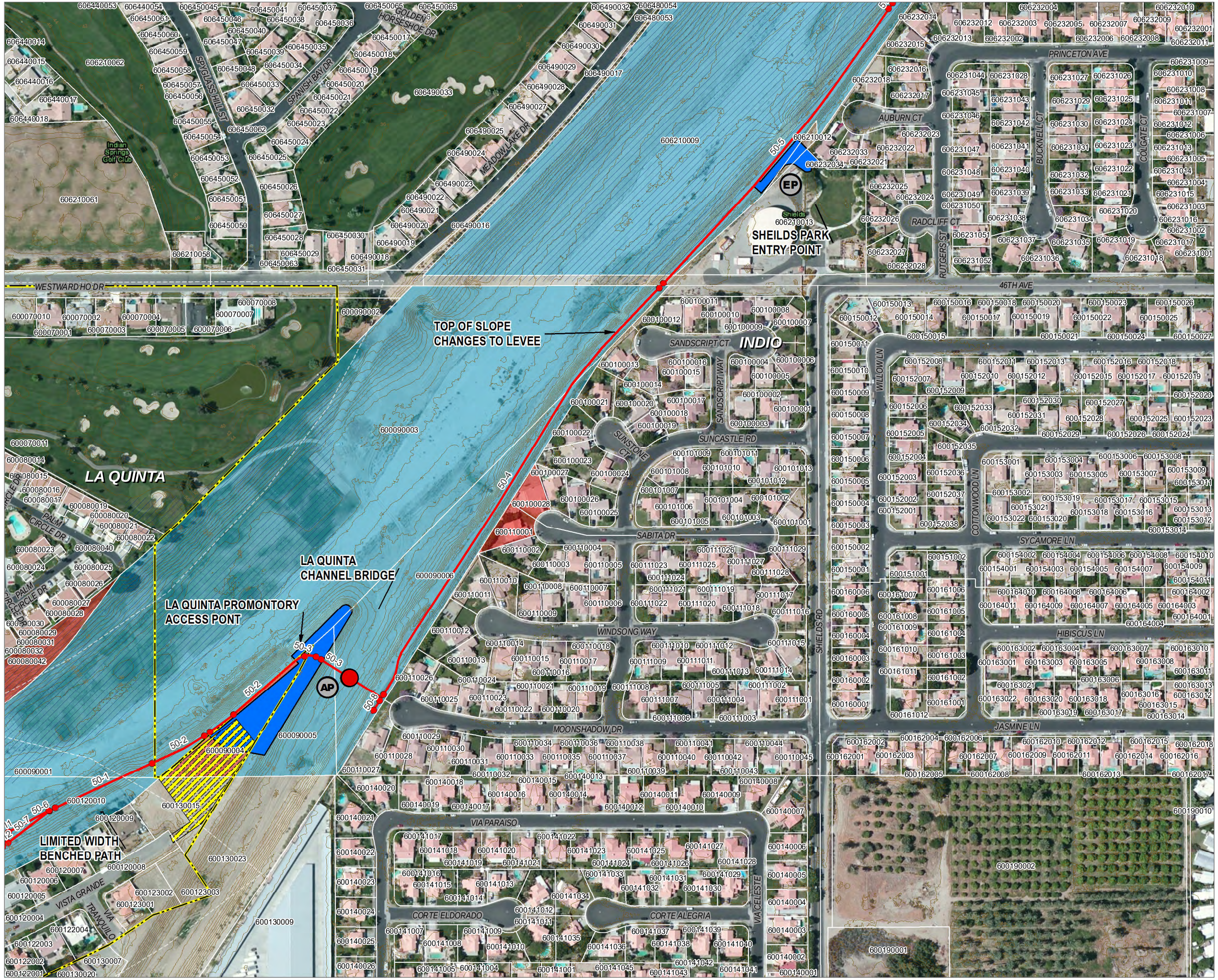

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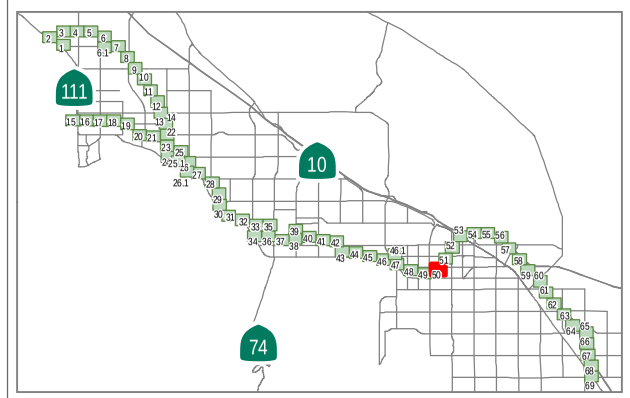

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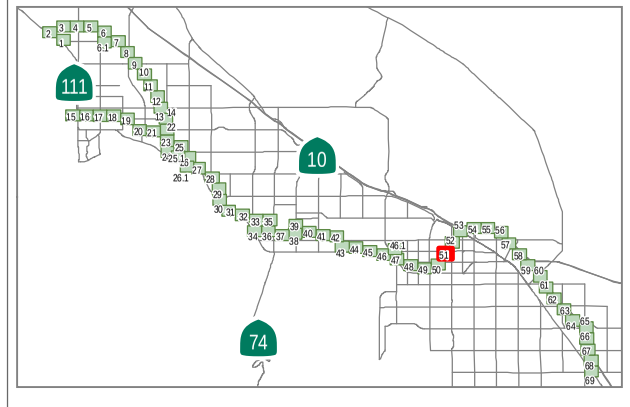

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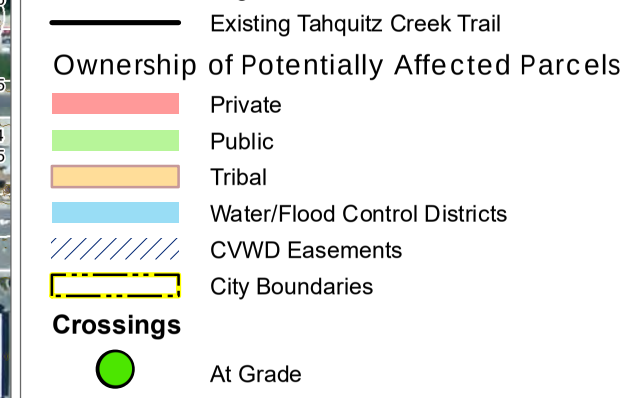

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Date: 9/30/2016

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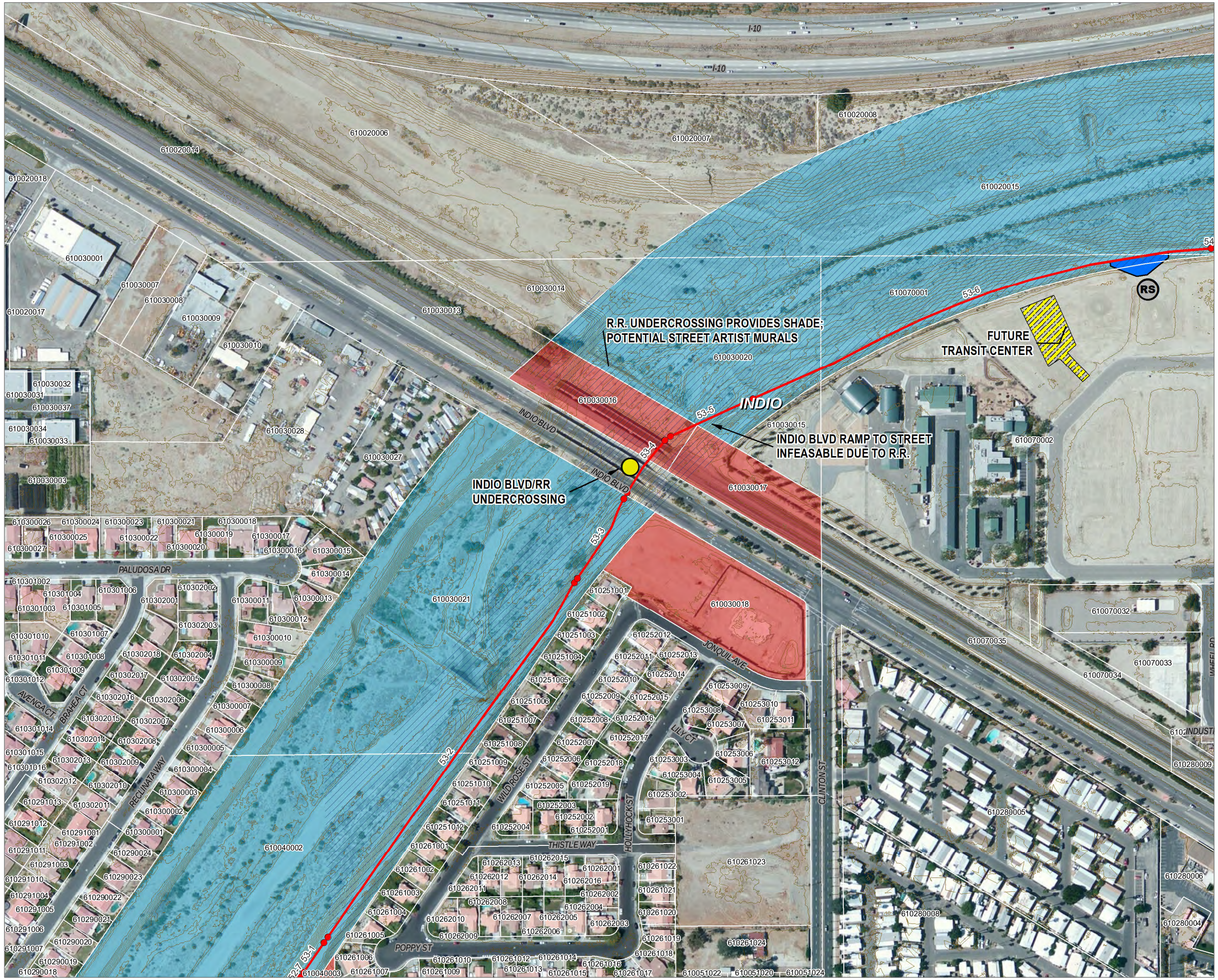

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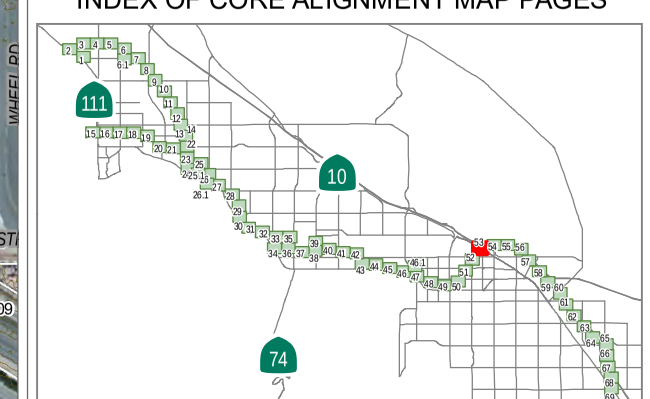

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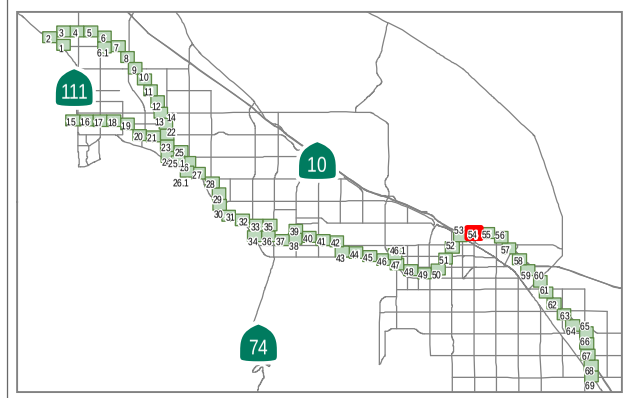

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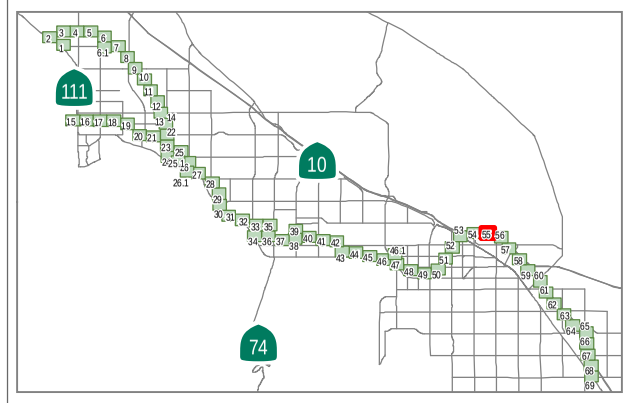

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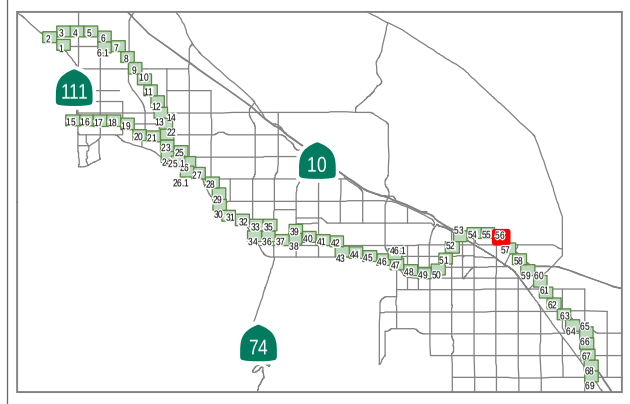

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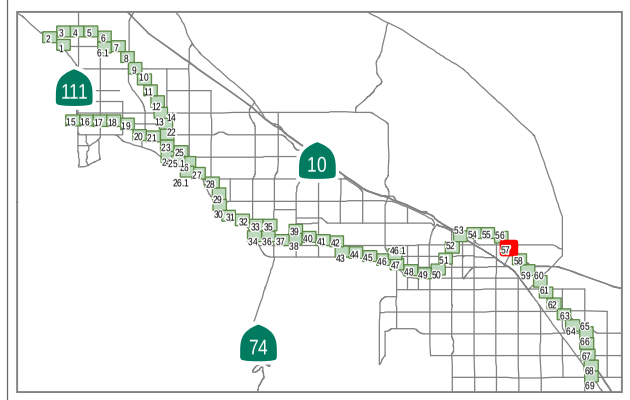

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0 125 250 FT.

1 in = 250 ft

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CV LINK

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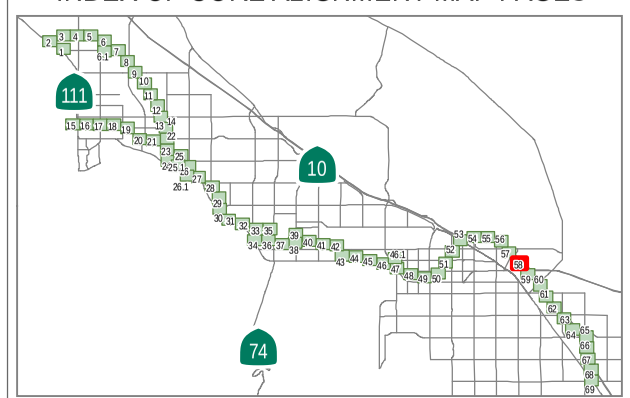

CVAG

0 125 250 FT.

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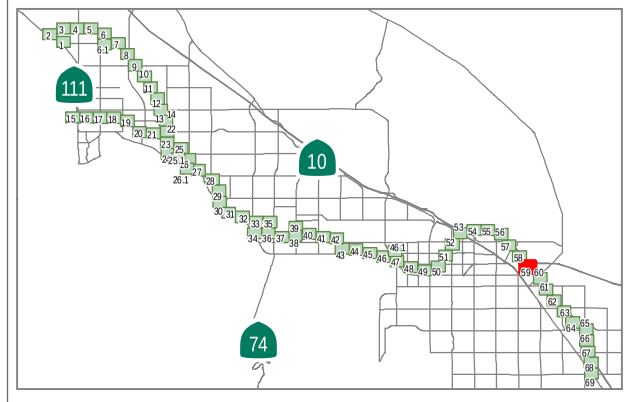

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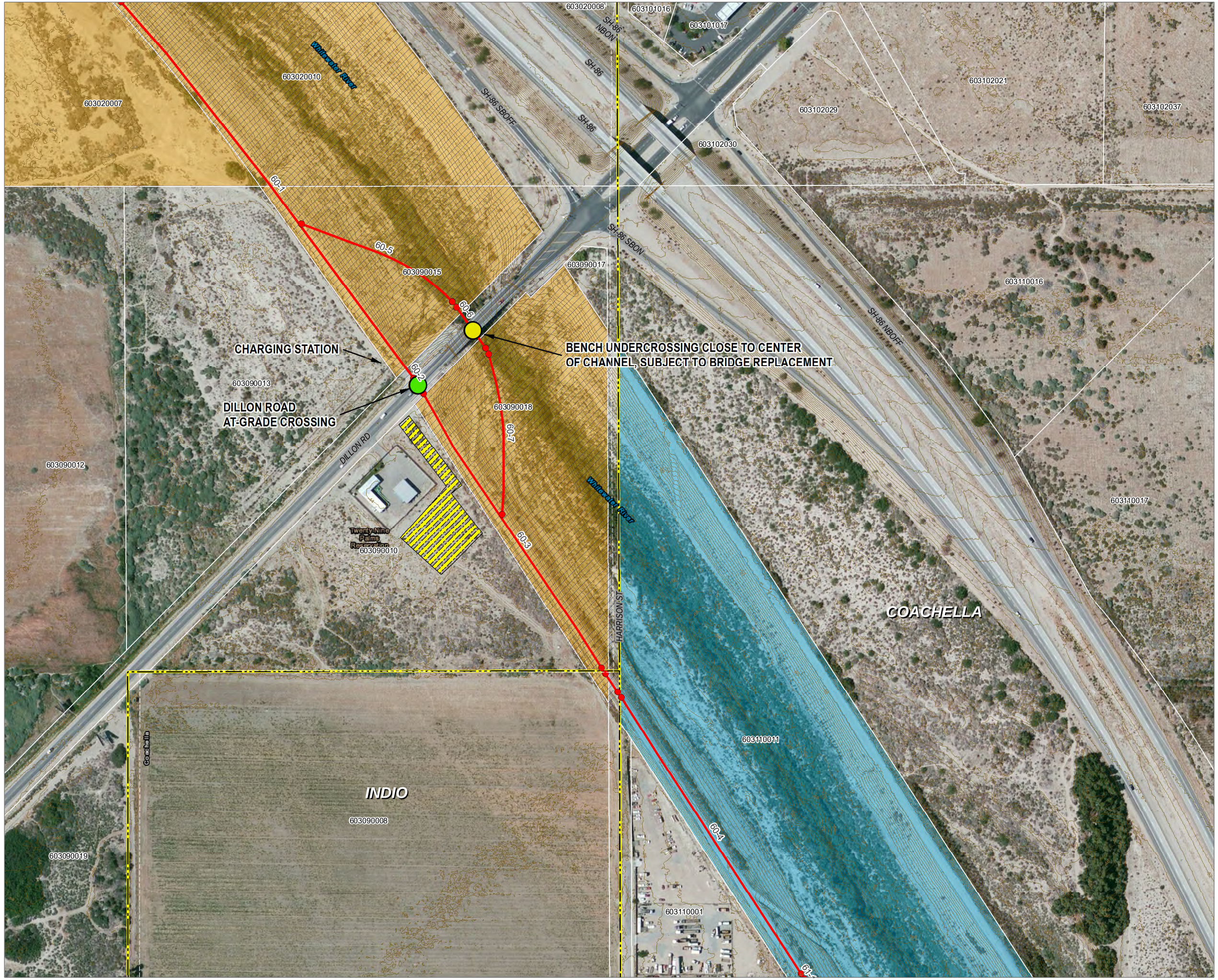

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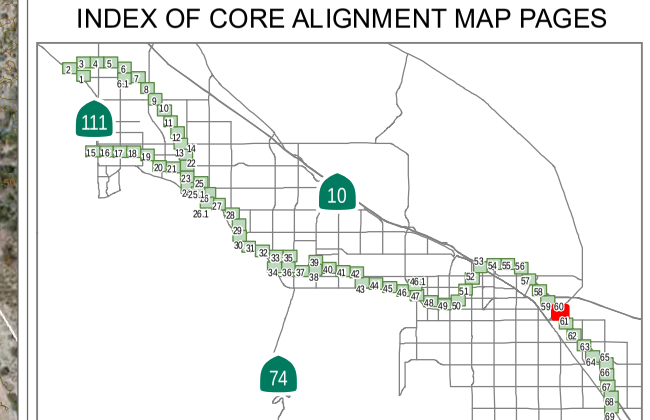

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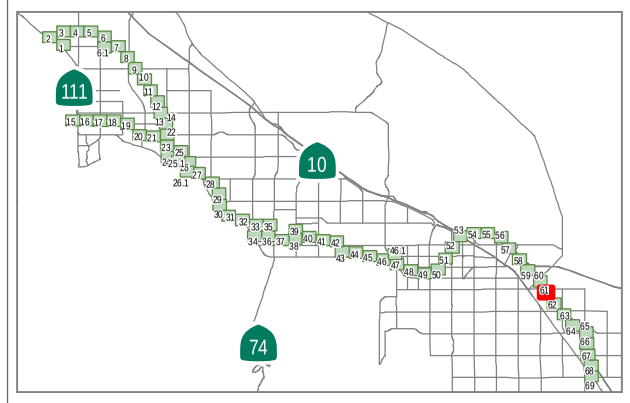

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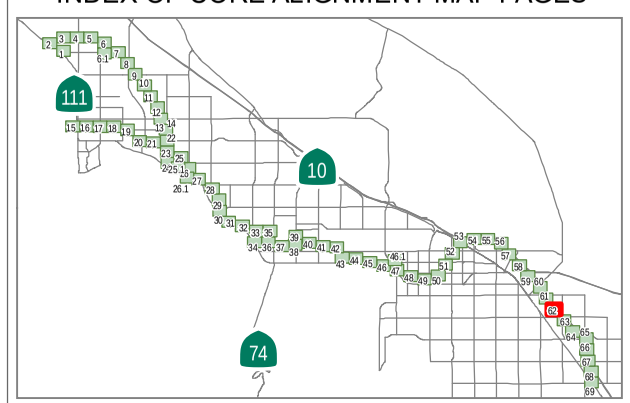

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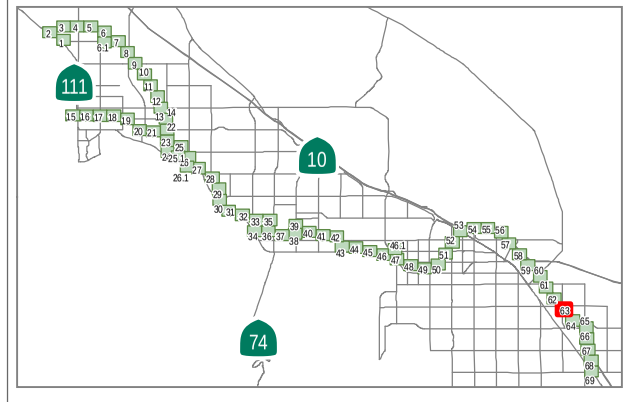

CVAG



1 in = 250 ft

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Date: 9/30/2016

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50TH AVE AT-GRADE CROSSING

UNDERCROSSING OF FUTURE BRIDGE; SHORT TERM AT GRADE CROSSING

SIERRA VISTA ACCESS POINT

COACHELLA

50TH AVE

MIMOSA

TYLER ST

SH-86

CALLE MENDOZA

COURTE OLIVA

COURTE STELLA

CALLE PIZANO

Cabazon Reservation

63-1 63-2 63-3 63-4 63-5 63-6 63-7 63-8 63-9 63-10 63-11 63-12 63-13 64-1

603300024 603300018 603471061 603471063 603471071 603471054 778170013 778170012 778170011 778180004 603330010 603330013 603330011 603330012 603330003 763020020 763020021 763020023 763020019 763020018 763042022 763030010 763042021 763030003 763042001 763042002 763042003 763042004 763042005 763042006 763042007 763042008 763042009 763042010 763042011 763042012 763042013 763042014 763042015 763042016 763042017 763042018 763042019 763052001 763052002 763052003 763052004 763041001 763041002 763041003 763041004 763041005 763041006 763041007 763041008 763041009 763041010 763041011 763041012 763041013 763041014 763041015 763041016 763041017 763041018 763041019 763041020 763041021 763041022 763041023 763041024 763041025 763041026 763041027 763041028 763041029 763041030 763041031 763041032 763041033 763041034 763041035 763041036 763041037 763041038 763041039 763041040 763041041 763041042 763041043 763041044 763051015

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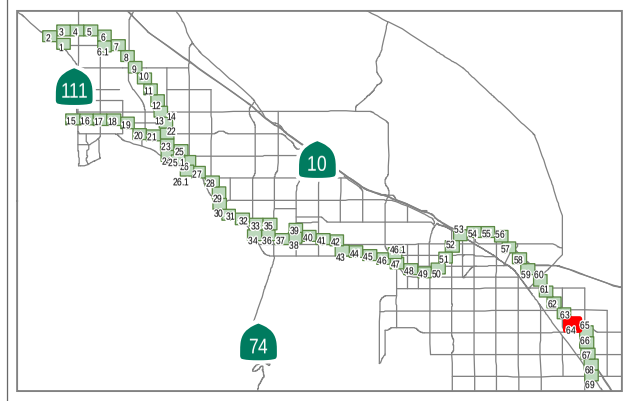

CVAG

Data obtained from CVAG, MSA CONSULTING, INC. CALSIL, RCTLMA, ACBCI, CVWD, and RCFCWCD

Date: 9/30/2016

0 125 250 FT.

1 in = 250 ft

Map Page 64

CV LINK

MAPBOOK UPDATE

LEGEND

CV LINK Route

- Alignment Determined
- Alignment with Alternatives
- Existing Tahquitz Creek Trail

Ownership of Potentially Affected Parcels

- Private
- Public
- Tribal
- Water/Flood Control Districts
- CVWD Easements
- City Boundaries

Crossings

- At Grade
- Undercrossing
- Overcrossing

Access Points

TYPE

- AP — Access Point
- EP — Entry Point
- RS — Rest Stop
- Access Point Work Limits
- Construction Staging Area
- Path Work Limits

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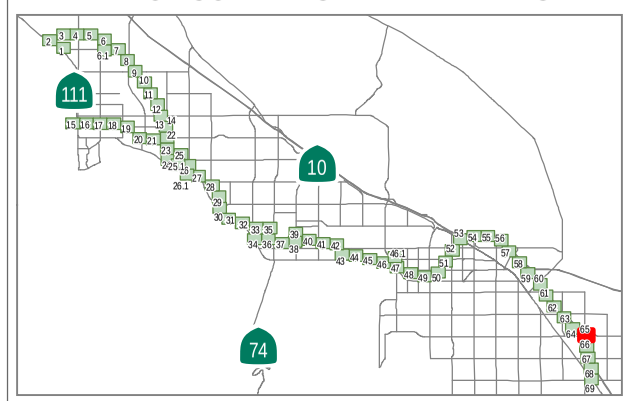

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Date: 9/30/2016

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Map Page 65

CV LINK

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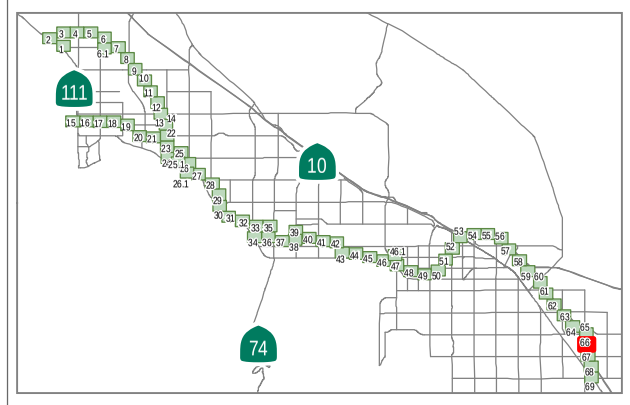

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Date: 9/30/2016

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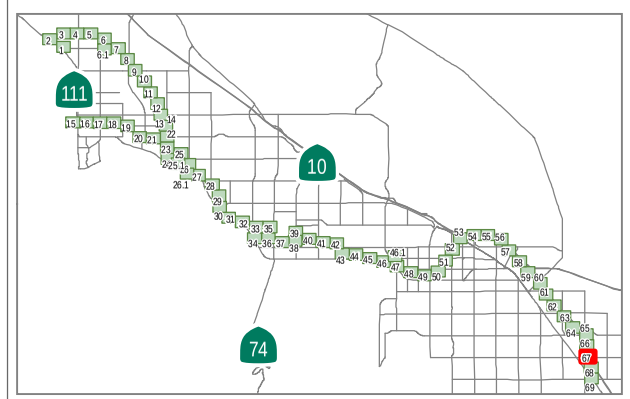

CVAG

N

0 125 250 FT.

1 in = 250 ft

Data obtained from CVAG, MSA CONSULTING, INC. CALSIL, RCTLMA, ACBCI, CVWD, and RCFCWCD

Date: 9/30/2016

Map Page 67

CV LINK

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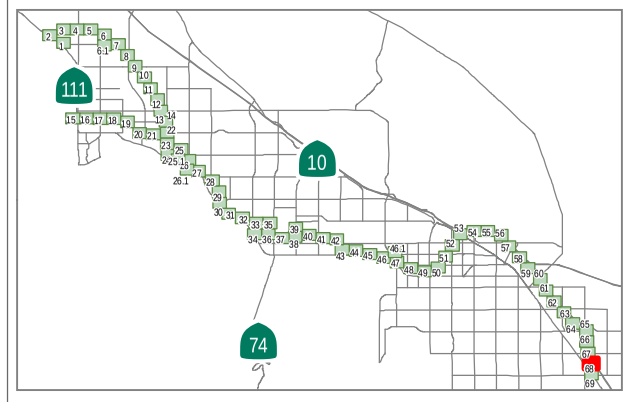

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Map Page 68

CV LINK

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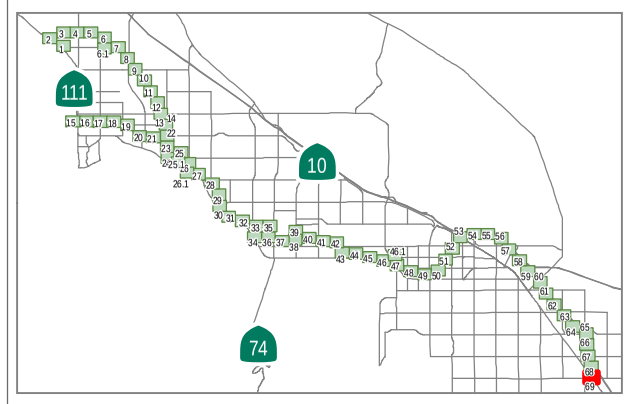

CVAG

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Date: 9/30/2016

0 125 250 FT.

1 in = 250 ft

Map Page 69

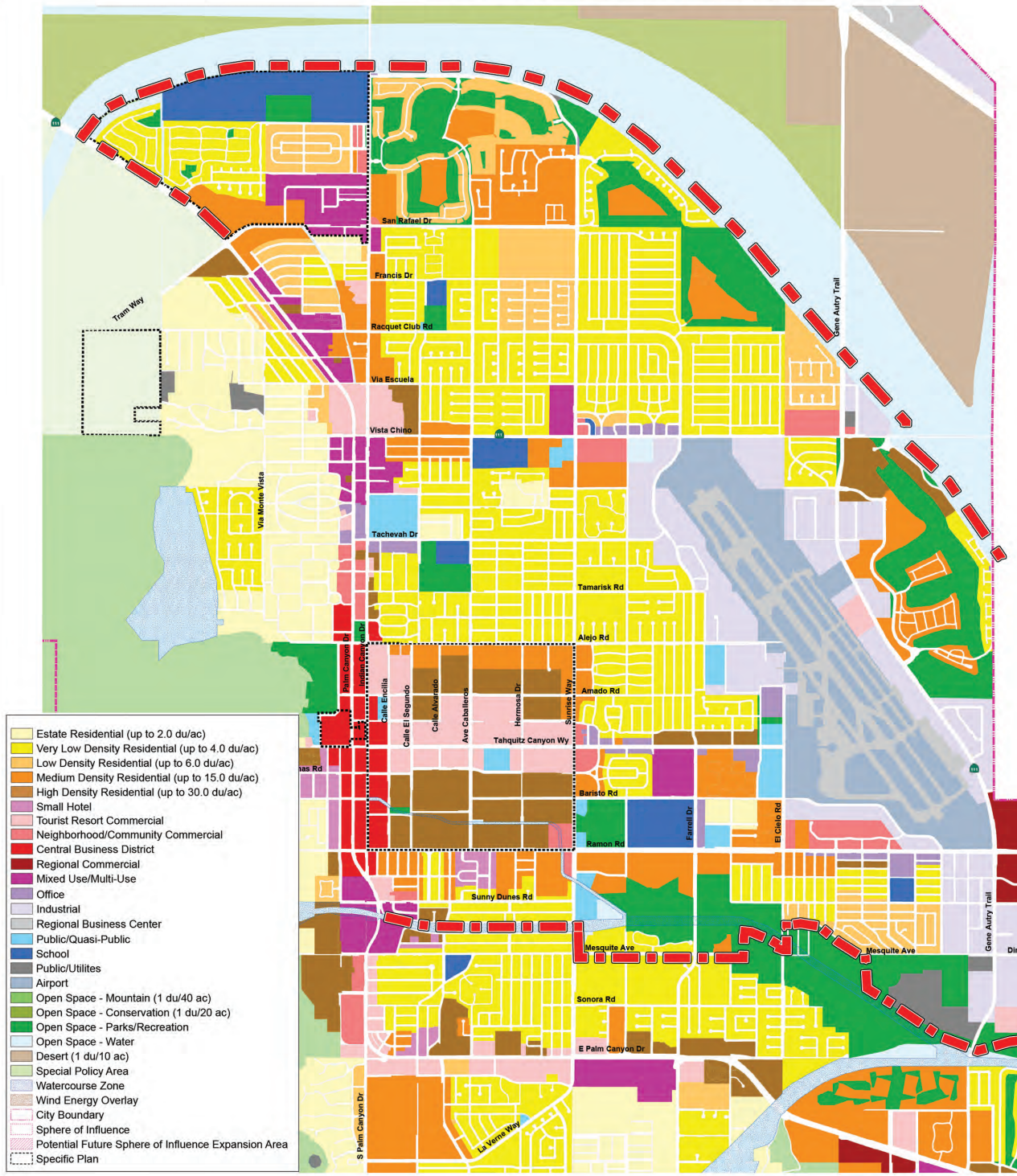
Appendix E. Land Use Map

CV Link

Draft Environmental Assessment

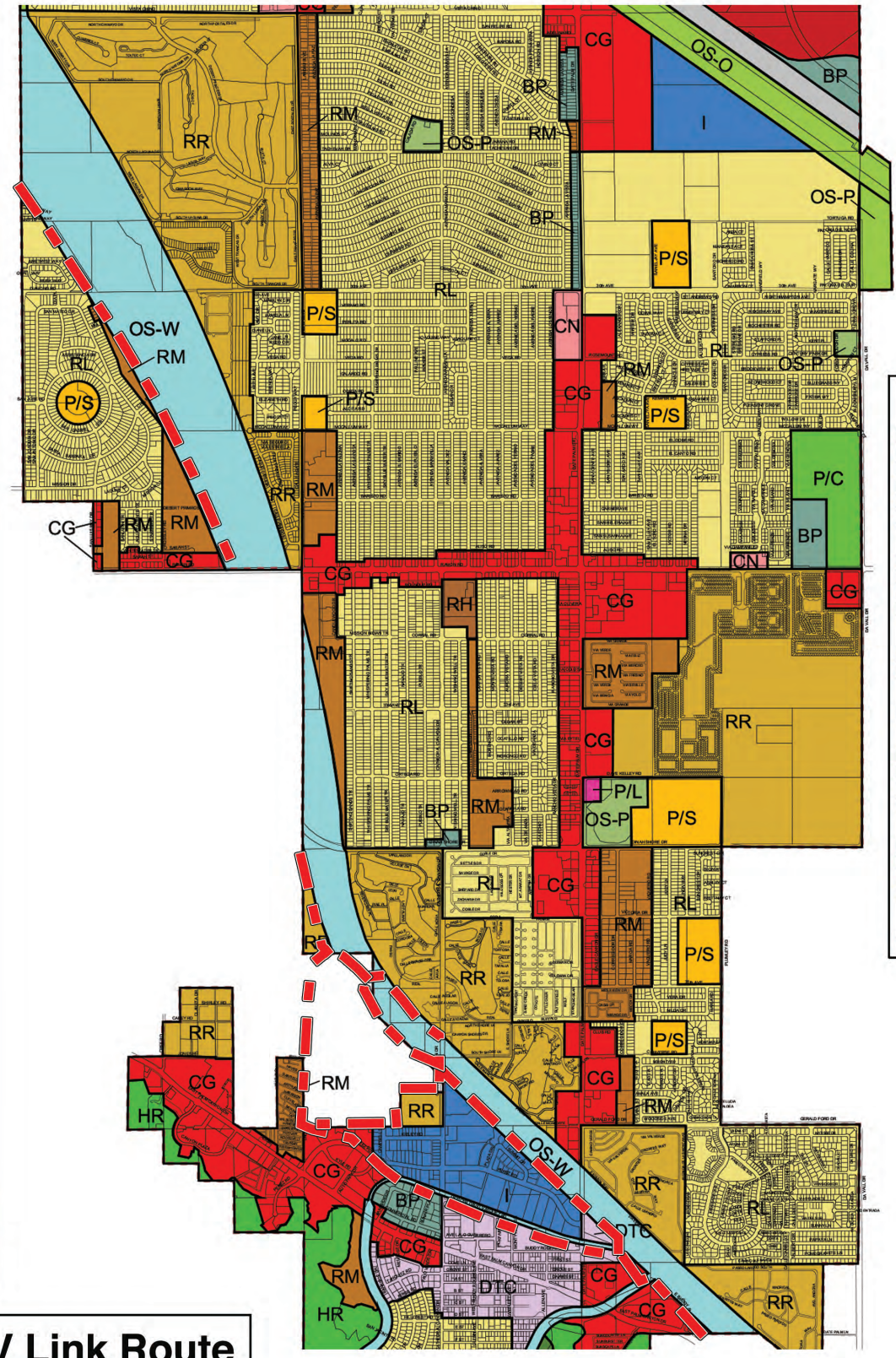
December 2017

PALM SPRINGS



- Estate Residential (up to 2.0 du/ac)
- Very Low Density Residential (up to 4.0 du/ac)
- Low Density Residential (up to 6.0 du/ac)
- Medium Density Residential (up to 15.0 du/ac)
- High Density Residential (up to 30.0 du/ac)
- Small Hotel
- Tourist Resort Commercial
- Neighborhood/Community Commercial
- Central Business District
- Regional Commercial
- Mixed Use/Multi-Use
- Office
- Industrial
- Regional Business Center
- Public/Quasi-Public
- School
- Public/Utilites
- Airport
- Open Space - Mountain (1 du/40 ac)
- Open Space - Conservation (1 du/20 ac)
- Open Space - Parks/Recreation
- Open Space - Water
- Desert (1 du/10 ac)
- Special Policy Area
- Watercourse Zone
- Wind Energy Overlay
- City Boundary
- Sphere of Influence
- Potential Future Sphere of Influence Expansion Area
- Specific Plan

CATHEDRAL CITY



Legend

Residential
- HR - Hillside Reserve (1 du/20ac)
- RE - Estate Residential (0-2 du/ac)
- RL - Low Density Residential (2-4.5 du/ac)
- RR - Resort Residential (3-6.5 du/ac)
- RM - Medium Density Residential (4.5-10 du/ac)
- RH - High Density Residential (11-20 du/ac)

Commercial
- BP - Business Park
- CN - Neighborhood Commercial
- CG - General Commercial
- DTC - Downtown Commercial

Mixed Use
- MU-N - Mixed Use - Neighborhood (25 du/ac)
- MU-U - Mixed Use - Urban (45 du/ac)

Industrial
- I - Industrial

Open Space
- OS-O - Open Space-Other
- OS-P - Open Space-Public
- OS-PV - Open Space-Private
- OS-W - Open Space-Water

Public
- P/C - Cemetery
- P/L - Library
- P/S - Schools
- P/T - Transportation

City Limits

CV Link Route

N

07.26.16

Sources: Palm Springs General Plan, (year); Cathedral City General Plan (year)

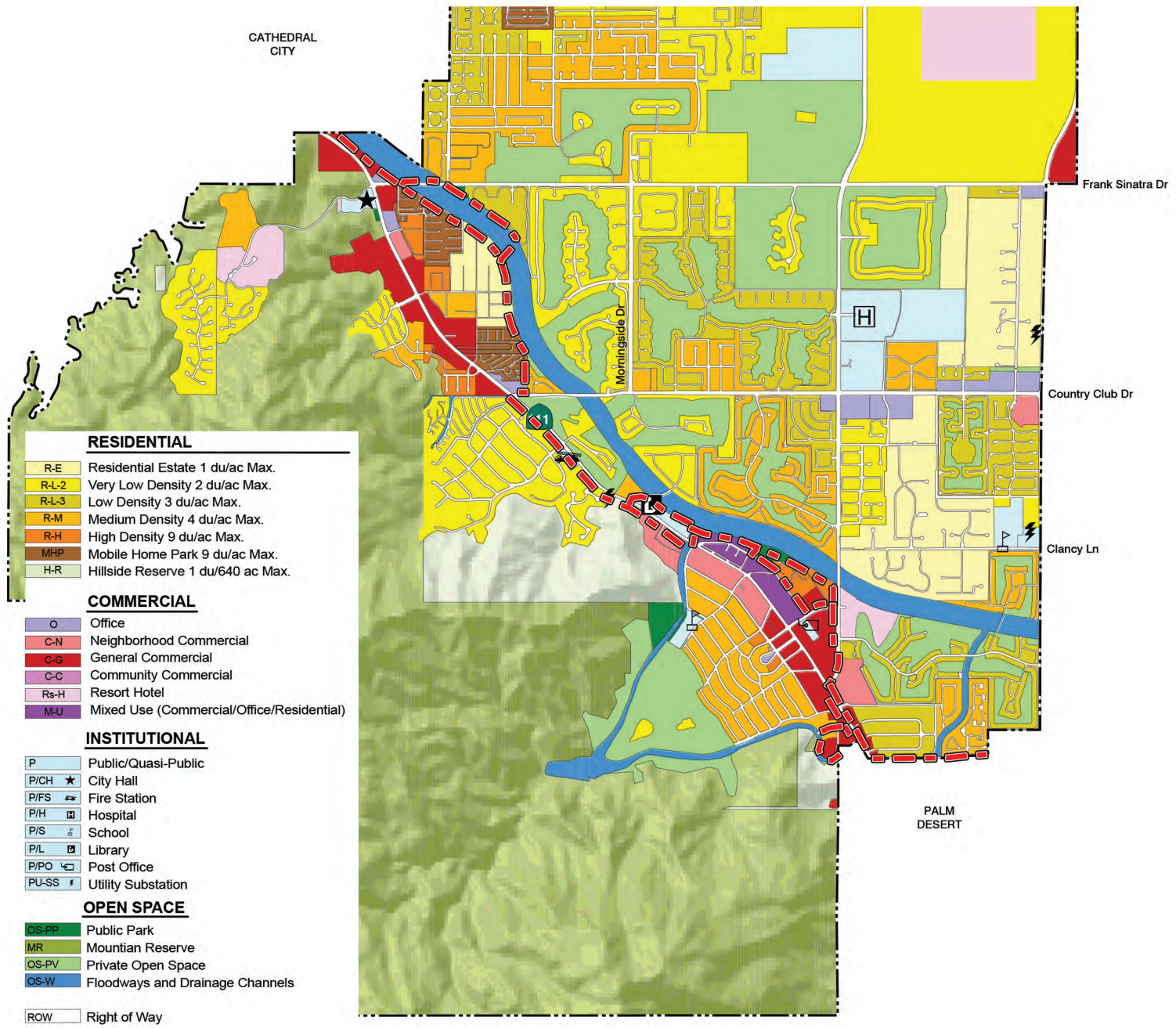
TERRA NOVA®
PLANNING & RESEARCH, INC.

CV Link Project
Land Use Maps - Palm Springs & Cathedral City
Coachella Valley Association of Governments

CV LINK
CONNECTING THE COACHELLA VALLEY
CVAG

Exhibit
E-1

RANCHO MIRAGE



RESIDENTIAL

R-E	Residential Estate 1 du/ac Max.
R-L-2	Very Low Density 2 du/ac Max.
R-L-3	Low Density 3 du/ac Max.
R-M	Medium Density 4 du/ac Max.
R-H	High Density 9 du/ac Max.
MHP	Mobile Home Park 9 du/ac Max.
H-R	Hillside Reserve 1 du/640 ac Max.

COMMERCIAL

O	Office
C-N	Neighborhood Commercial
C-G	General Commercial
C-C	Community Commercial
Rs-H	Resort Hotel
M-U	Mixed Use (Commercial/Office/Residential)

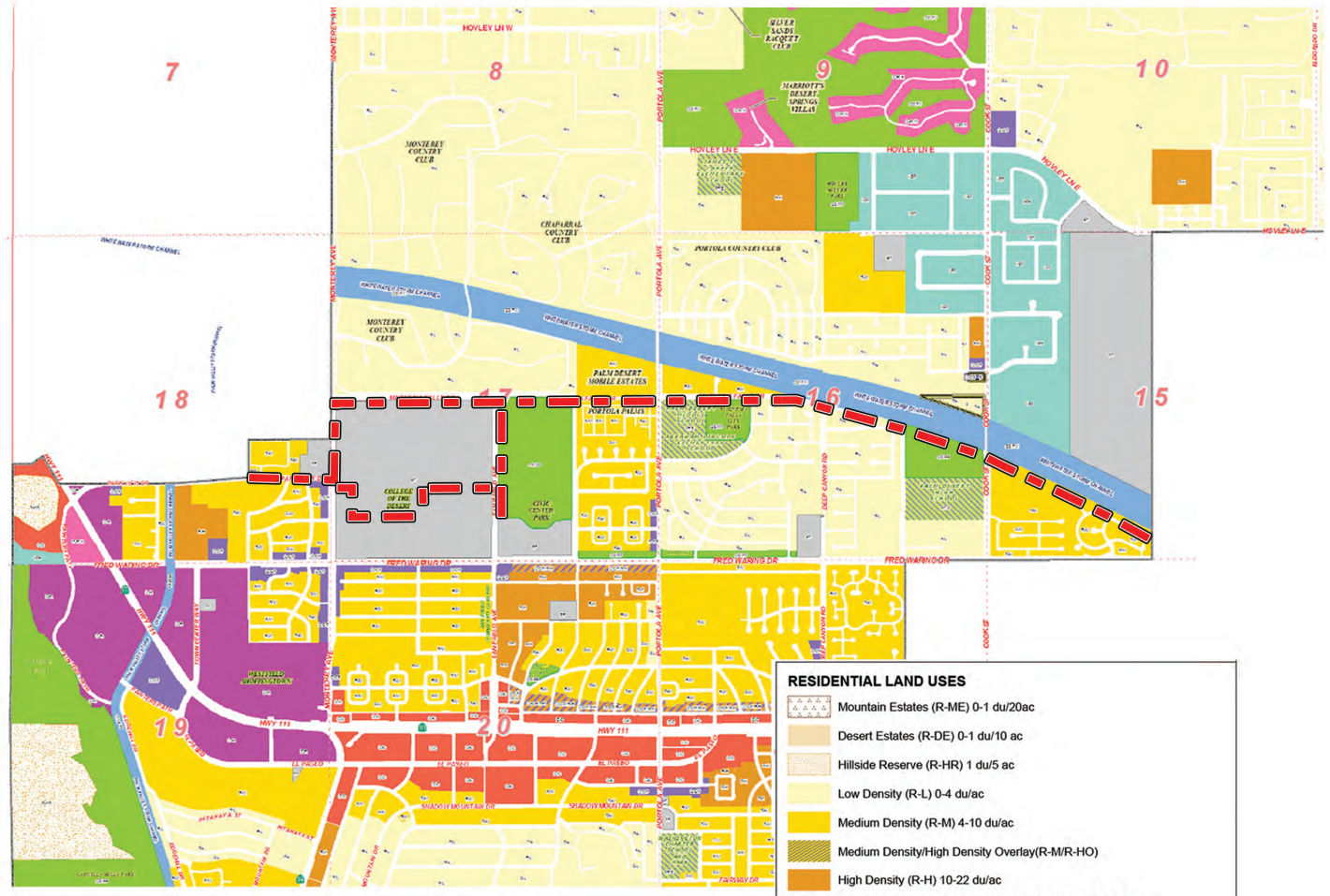
INSTITUTIONAL

P	Public/Quasi-Public
P/CH	City Hall
P/FS	Fire Station
P/H	Hospital
P/S	School
P/L	Library
P/PO	Post Office
PU-SS	Utility Substation

OPEN SPACE

OS-PP	Public Park
MR	Mountian Reserve
OS-PV	Private Open Space
OS-W	Floodways and Drainage Channels
ROW	Right of Way

PALM DESERT



RESIDENTIAL LAND USES

- Mountain Estates (R-ME) 0-1 du/20ac
- Desert Estates (R-DE) 0-1 du/10 ac
- Hillside Reserve (R-HR) 1 du/5 ac
- Low Density (R-L) 0-4 du/ac
- Medium Density (R-M) 4-10 du/ac
- Medium Density/High Density Overlay(R-M/R-HO)
- High Density (R-H) 10-22 du/ac

COMMERCIAL/INDUSTRIAL/BUSINESS LAND USES

- Regional Commercial (C-R)
- Community Commercial (C-C)
- Resort/Hotel Commercial (C-R/H)
- Mixed Use (MU) - Commercial / High Density (R-H) 10-22 du/ac
- Office Professional (C-OP)
- Office Professional (C-OP) / Medium Density (R-M) 4-10 du/ac
- Office Professional (C-OP) / High Density (R-H) 10-22 du/ac
- Industrial - Business Park (I-BP)
- Industrial - Light (I-L)

OTHER LAND USES

- Public/Quasi-Public Facilities (PF)
- Public Facility/School (PF/S)
- Public Facility/University (PF/U)
- Open Space - Parks (OS/PP)
- Open Space - Public Reserves (OS/PR)
- Open Space - Private (OS/PV)
- Open Space - Waterway (OS/FW)
- Freeway (FWY)
- Study Zone (S)
- City Boundary

CV Link Route

N

07.27.16

Sources: Rancho Mirage General Plan, (2005); Palm Desert General Plan (2008)

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PLANNING & RESEARCH, INC.

CV Link Project
Land Use Maps - Rancho Mirage & Palm Desert
Coachella Valley Association of Governments

CV LINK
CONNECTING THE COACHELLA VALLEY
CVAG

Exhibit
E-2

INDIAN WELLS



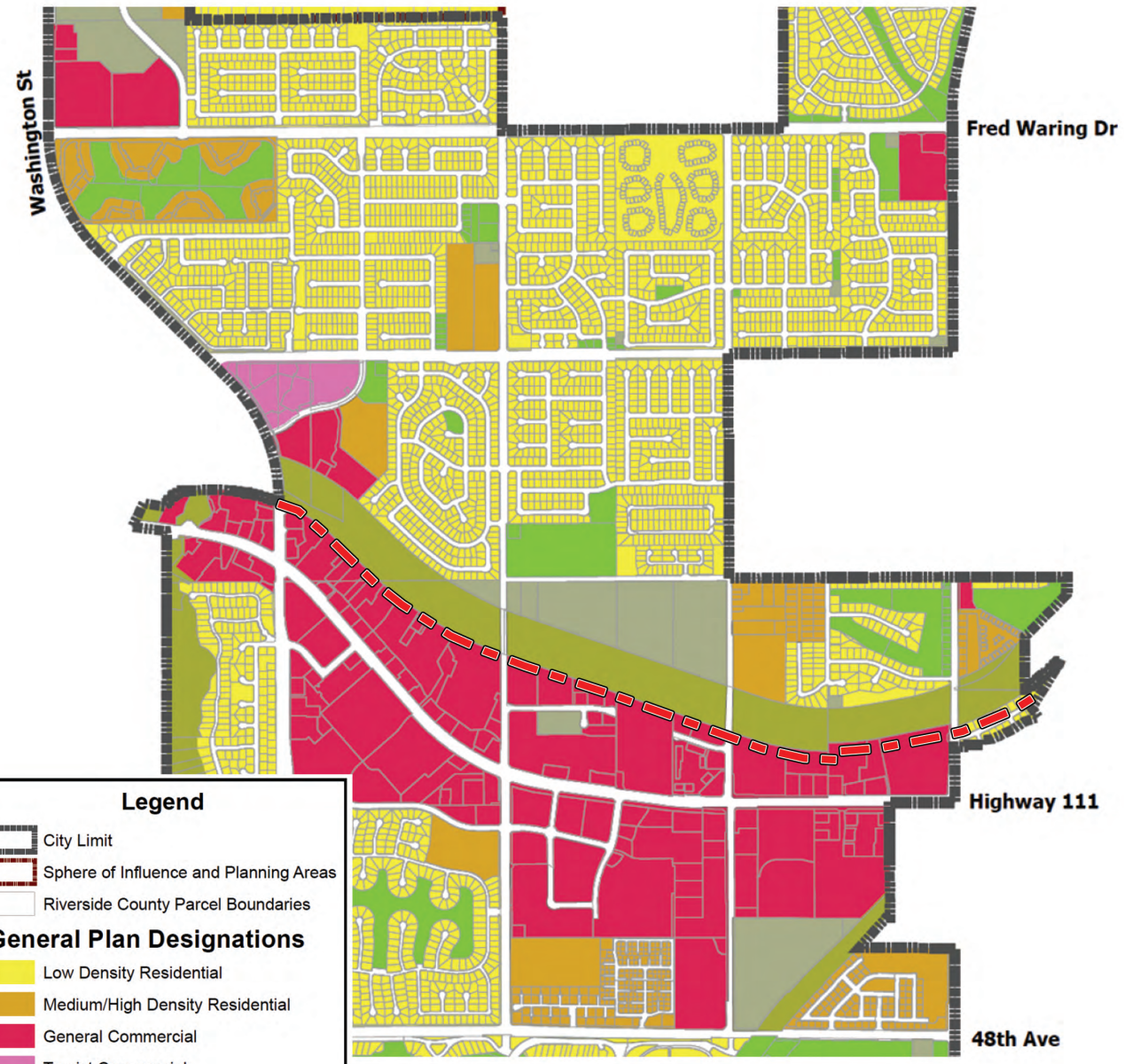
RESIDENTIAL
- VERY LOW DENSITY
- LOW DENSITY
- MEDIUM DENSITY
- MEDIUM HIGH DENSITY

COMMERCIAL
- PROFESSIONAL OFFICE
- COMMUNITY COMMERCIAL
- RESORT COMMERCIAL
- SPORTS COMPLEX

OPEN SPACE
- GOLF AND RECREATION
- NATURAL PRESERVE
- PUBLIC PARK
- WATERCOURSE
- OPEN SPACE

CIVIC
- PUBLIC FACILITY

LA QUINTA



Legend

- City Limit
- Sphere of Influence and Planning Areas
- Riverside County Parcel Boundaries

General Plan Designations

- Low Density Residential
- Medium/High Density Residential
- General Commercial
- Tourist Commercial
- Village Commercial
- Industrial/Light Manufacturing
- Major Community Facilities
- Open Space - Natural
- Open Space - Recreation
- Street Rights of Way

CV Link Route

N

07.27.16

Sources: Indian Wells General Plan, (2012); La Quinta General Plan (2013)

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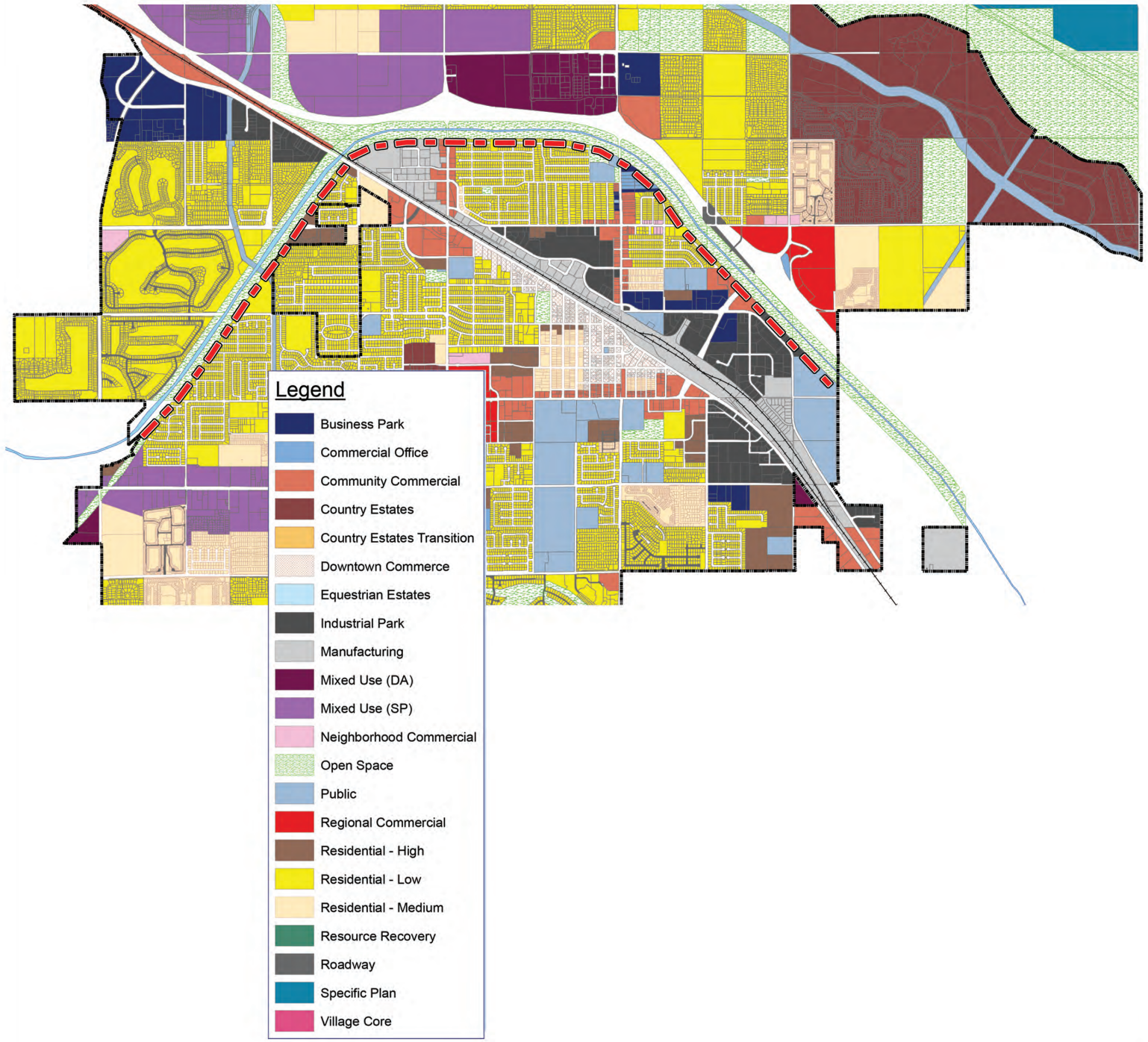
CV Link Project
Land Use Maps - Indian Wells & La Quinta
Coachella Valley Association of Governments

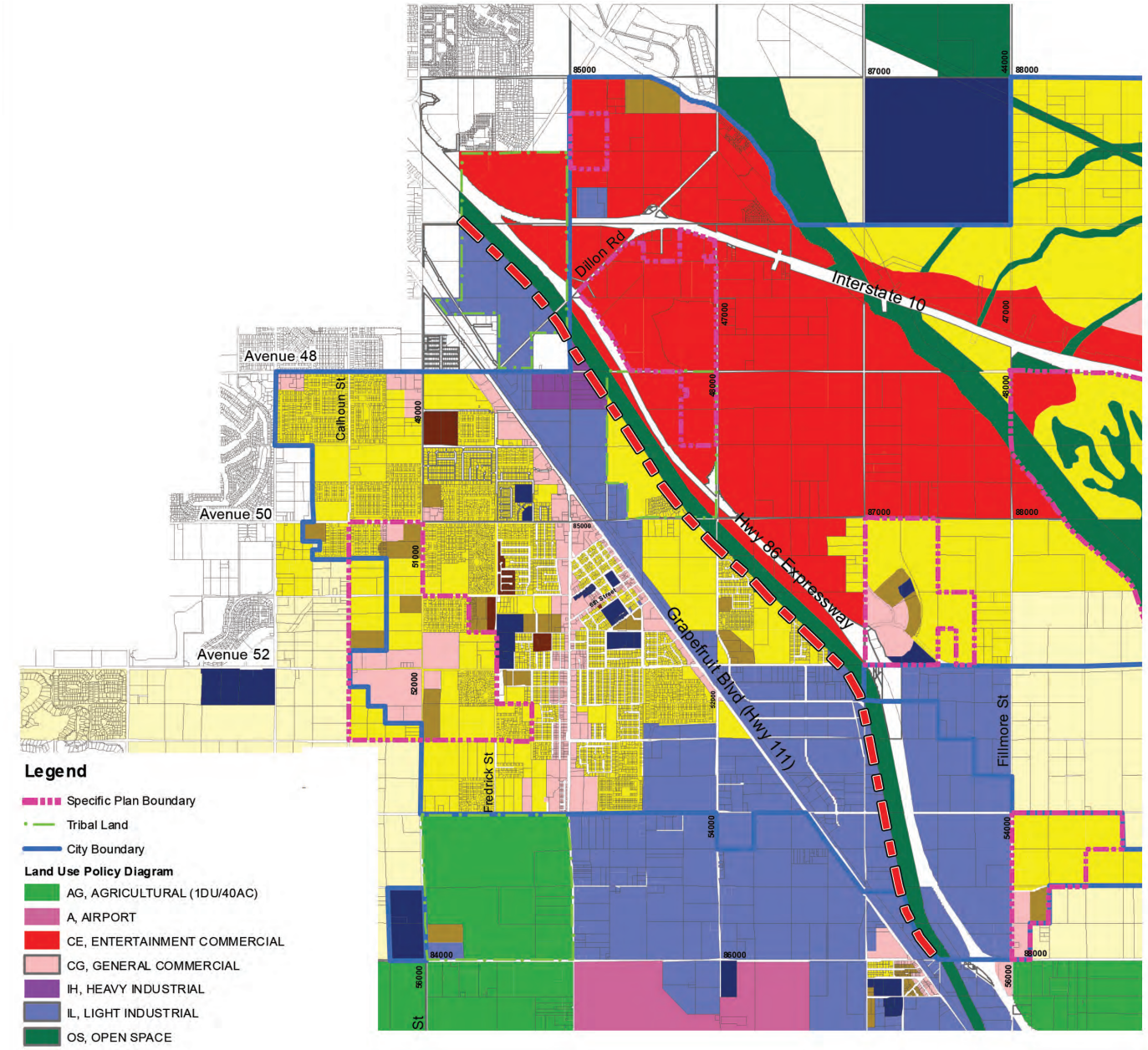
CV LINK
CONNECTING THE COACHELLA VALLEY
CVAG

Exhibit
E-3

INDIO



COACHELLA



CV Link Route

N

07.28.16

Sources: Indio General Plan, (2007); Coachella General Plan (2013)

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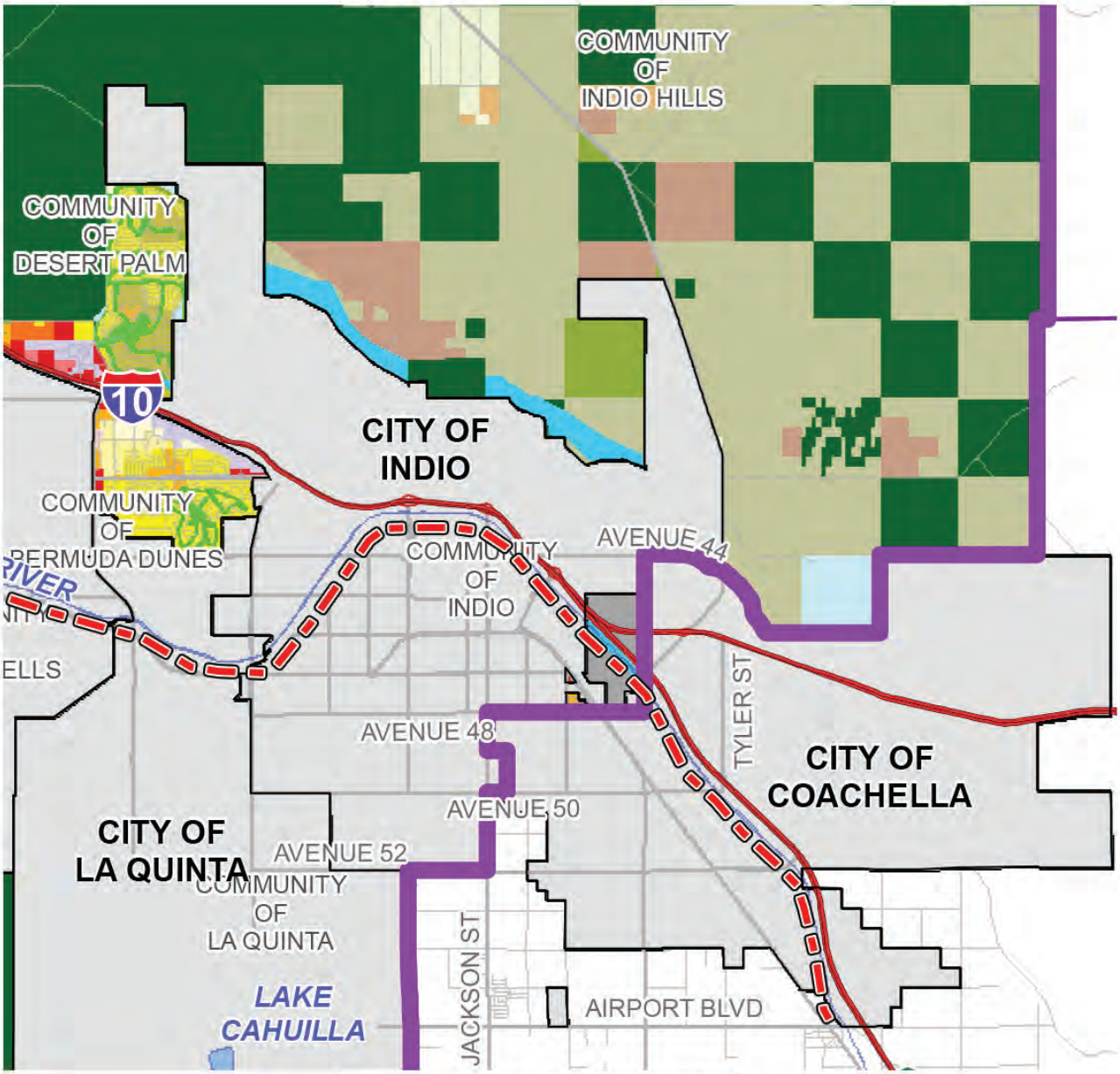
CV Link Project
Land Use Maps - Indio & Coachella
Coachella Valley Association of Governments

CV LINK
CONNECTING THE COACHELLA VALLEY

CVAG

Exhibit
E-4



CV Link Route

Legend

- Estate Density Residential
- Very Low Density Residential
- Low Density Residential
- Medium Density Residential
- Medium High Density Residential
- High Density Residential
- Very High Density Residential
- Commercial Retail
- Commercial Tourist
- Commercial Office
- Light Industrial
- Heavy Industrial
- Business Park
- Public Facilities
- Mixed Use Planning Area

RURAL COMMUNITY
- Rural Community - Estate Density Residential
- Rural Community - Very Low Density Residential

RURAL
- Rural Residential
- Rural Mountainous

AGRICULTURE
- Agriculture

OPEN SPACE
- Conservation
- Conservation Habitat
- Open Space Recreation
- Open Space Rural
- Mineral Resources
- Water

MISCELLANEOUS
- Tribal Lands

- Highways
- Area Plan Boundary
- City Boundary
- Waterbodies

N

08.05.16

Source: Riverside County Planning Department - Western Coachella Valley Land Use Map 2015

TERRA NOVA® PLANNING & RESEARCH, INC.

CV Link Project
Land Use Map - Riverside County
Coachella Valley
Association of Governments

CV LINK CONNECTING THE COACHELLA VALLEY

CVAG

Exhibit

E-5

Appendix F. FEMA FIRM Maps

CV Link

Draft Environmental Assessment

December 2017

NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The **community map repository** should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where **Base Flood Elevations** (BFEs) and/or **floodways** have been determined, users are encouraged to consult the Flood Profiles and Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Coastal Base Flood Elevations shown on this map apply only landward of 0.0' North American Vertical Datum of 1988 (NAVD 88). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations tables in the Flood Insurance Study report for this jurisdiction. Elevations shown in the Summary of Stillwater Elevations tables should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

Boundaries of the **floodways** were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by **flood control structures**. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

The **projection** used in the preparation of this map was Universal Transverse Mercator (UTM) zone 11. The **horizontal datum** was NAD 83, GRS80 spheroid. Differences in datum, spheroid, projection or UTM zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

Flood elevations on this map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same **vertical datum**. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at http://www.ngs.noaa.gov or contact the National Geodetic Survey at the following address:

NGS Information Services
NOAA, N/NGS12
National Geodetic Survey
SSMC-3, #9202
1315 East-West Highway
Silver Spring, Maryland 20910-3282
(301) 713-3242

To obtain current elevation, description, and/or location information for **bench marks** shown on this map, please contact the Information Services Branch of the National Geodetic Survey at **(301) 713-3242**, or visit its website at http://www.ngs.noaa.gov.

Base map information shown on this FIRM was derived from U.S. Geological Survey Digital Orthophoto Quadrangles produced at a scale of 1:12,000 from photography dated 1994 or later.

This map may reflect more detailed and up-to-date **stream channel configurations** than those shown on the previous FIRM for this jurisdiction. The floodplains and floodways that were transferred from the previous FIRM may have been adjusted to conform to those new stream channel configurations. As a result, the Flood Profiles and Floodway Data in the Flood Insurance Study Report (which contains authoritative hydraulic data) may reflect stream channel distances that differ from what is shown on this map.

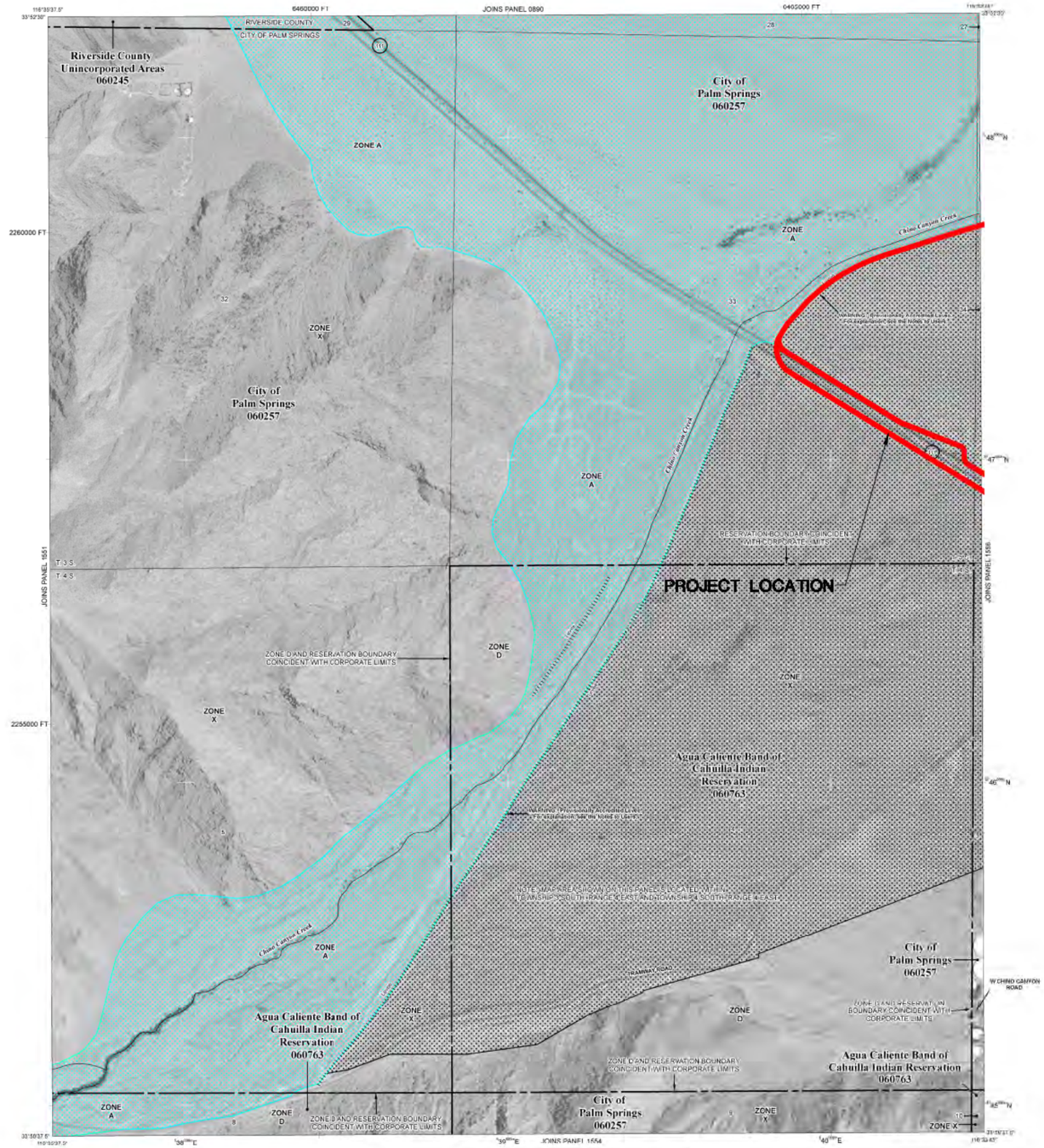
Corporate limits shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may have occurred after this map was published, map users should contact appropriate community officials to verify current corporate limit locations.

Please refer to the separately printed **Map Index** for an overview map of the county showing the layout of map panels; community map repository addresses; and a Listing of Communities table containing National Flood Insurance Program dates for each community as well as a listing of the panels on which each community is located.

Contact the **FEMA Map Service Center** at 1-800-358-9616 for information on available products associated with this FIRM. Available products may include previously issued Letters of Map Change, a Flood Insurance Study report, and/or digital versions of this map. The FEMA Map Service Center may also be reached by Fax at 1-800-358-9620 and its website at http://msc.fema.gov.

If you have **questions about this map** or questions concerning the National Flood Insurance Program in general, please call **1-877-FEMA MAP** (1-877-336-2627) or visit the FEMA website at http://www.fema.gov.

WARNING: This map contains levees, dikes, or other structures that have been provisionally accredited and mapped as providing protection from the 1-percent-annual-chance flood. To maintain accreditation, the levee owner or community is required to submit documentation necessary to comply with 44 CFR Section 65.10 by August 8, 2009. Because of the risk of overtopping or failure of the structure, communities should take proper precautions to protect lives and minimize damages in these areas, such as issuing an evacuation plan and encouraging property owners to purchase flood insurance.





LEGEND

SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

- ZONE A — No Base Flood Elevations determined.
- ZONE AE — Base Flood Elevations determined.
- ZONE AH — Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
- ZONE AO — Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
- ZONE AR — Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
- ZONE A99 — Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.
- ZONE V — Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
- ZONE VE — Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

- ZONE X — Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

- ZONE X — Areas determined to be outside the 0.2% annual chance floodplain.
- ZONE D — Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

- 1% annual chance floodplain boundary
- 0.2% annual chance floodplain boundary
- Floodway boundary
- Zone D boundary
- CBRS and OPA boundary
- Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities.
- 513 — Base Flood Elevation line and value; elevation in feet*
- (EL. 987) — Base Flood Elevation value where uniform within zone; elevation in feet*

* Referenced to the North American Vertical Datum of 1988

- A — A — Cross section line
- B — B — Transect line
- 87°07'45", 32°22'30" — Geographic coordinates referenced to the North American Datum of 1983 (NAD 83), Western Hemisphere
- 4276000 mN — 1000-meter Universal Transverse Mercator grid values, zone 11N
- 600000 FT — 6000-foot grid ticks: California State Plane coordinate system, zone VI (FIPSZONE 0406), Lambert Conformal Conic projection
- DX5510 — Bench mark (see explanation in Notes to Users section of this FIRM panel)
- M1.5 — River Mile

MAP REPOSITORY
Refer to listing of Map Repositories on Map Index

EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP
August 28, 2008

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL

For community map revision history prior to countywide mapping, refer to the Community Map History table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

MAP SCALE 1" = 500'
250 0 500 1000 FEET
150 0 150 300 METERS

NFIP
PANEL 1552G

FIRM

FLOOD INSURANCE RATE MAP

RIVERSIDE COUNTY, CALIFORNIA AND INCORPORATED AREAS

PANEL 1552 OF 3805
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
AGUA CALIENTE BAND OF CAHUILLA INDIAN RESERVATION	060763	1552	G
PALM SPRINGS, CITY OF	060257	1552	G
RIVERSIDE COUNTY	060245	1552	G

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER
06065C1552G

EFFECTIVE DATE
AUGUST 28, 2008

Federal Emergency Management Agency

Stantec
46 DISCOVERY, STE 230
IRVINE, CA 92618
(949) 474-1400 TEL
(949) 261-8482 FAX

LOCATION MAP

SCALE N.T.S.
SHEET 1 OF 22

07/26/16 03:54:51 PM V:\2065\active\206500219\Eng\CAD\Exhibits\EX807--Cathedral FIRMs\Segment1.dwg

NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The **community map repository** should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where **Base Flood Elevations** (BFEs) and/or **floodways** have been determined, users are encouraged to consult the Flood Profiles and Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Coastal Base Flood Elevations shown on this map apply only landward of 0.0' North American Vertical Datum of 1988 (NAVD 88). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations tables in the Flood Insurance Study report for this jurisdiction. Elevations shown in the Summary of Stillwater Elevations tables should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

Boundaries of the **floodways** were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by **flood control structures**. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

The **projection** used in the preparation of this map was Universal Transverse Mercator (UTM) zone 11. The **horizontal datum** was NAD 83, GRS80 spheroid. Differences in datum, spheroid, projection or UTM zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

Flood elevations on this map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same **vertical datum**. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at http://www.ngs.noaa.gov or contact the National Geodetic Survey at the following address:

NGS Information Services
NOAA, N/NGS12
National Geodetic Survey
SSMC-3, #9202
1315 East-West Highway
Silver Spring, Maryland 20910-3282
(301) 713-3242

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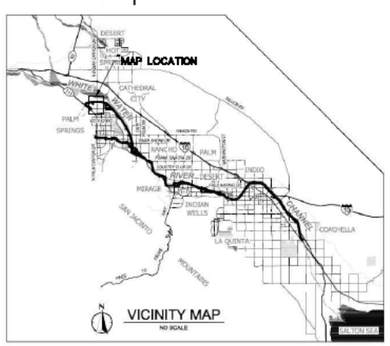
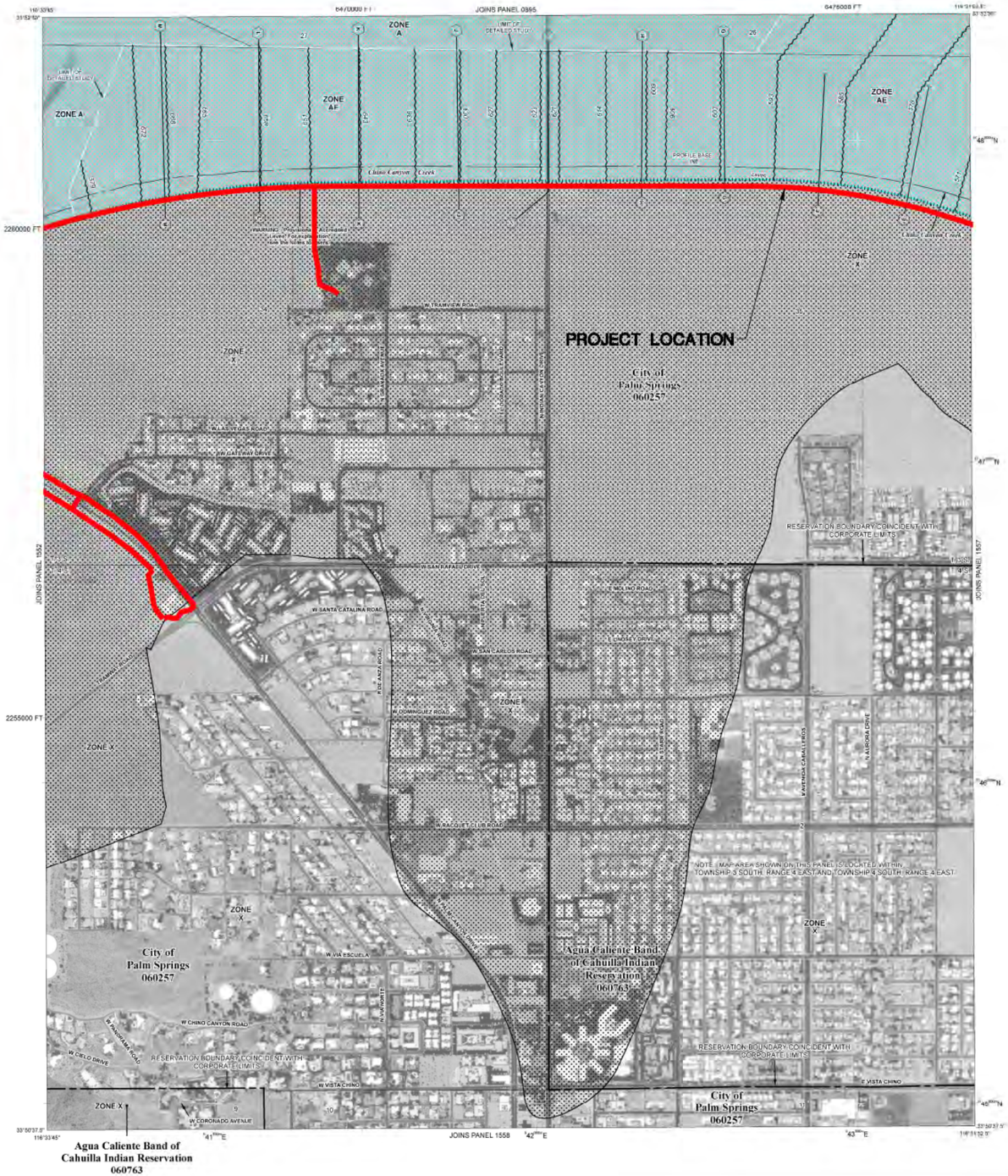
WARNING: This map contains levees, dikes, or other structures that have been provisionally accredited and mapped as providing protection from the 1-percent–annual-chance flood. To maintain accreditation, the levee owner or community is required to submit documentation necessary to comply with 44 CFR Section 65.10 by August 8, 2009. Because of the risk of overtopping or failure of the structure, communities should take proper precautions to protect lives and minimize damages in these areas, such as issuing an evacuation plan and encouraging property owners to purchase flood insurance.





LEGEND

SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

- ZONE A: No Base Flood Elevations determined.
- ZONE AE: Base Flood Elevations determined.
- ZONE AH: Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
- ZONE AO: Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
- ZONE AR: Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
- ZONE A99: Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.
- ZONE V: Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
- ZONE VE: Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

- ZONE X: Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

- ZONE X: Areas determined to be outside the 0.2% annual chance floodplain.
- ZONE D: Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

- 1% annual chance floodplain boundary
- 0.2% annual chance floodplain boundary
- Floodway boundary
- Zone D boundary
- CBRS and OPA boundary
- Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities.
- 513 — Base Flood Elevation line and value; elevation in feet*
- (EL. 987) — Base Flood Elevation value where uniform within zone; elevation in feet*

* Referenced to the North American Vertical Datum of 1988

- Cross section line
- Transect line
- 87°07'45", 32°22'30" — Geographic coordinates referenced to the North American Datum of 1983 (NAD 83), Western Hemisphere
- 4478000 mN — 1000-meter Universal Transverse Mercator grid values, zone 11N
- 600000 FT — 5000-foot grid ticks: California State Plane coordinate system, zone VI (FIPSZONE 0406), Lambert Conformal Conic projection
- DX5510 — Bench mark (see explanation in Notes to Users section of this FIRM panel)
- M1.5 — Railroad

MAP REPOSITORY
Refer to listing of Map Repositories on Map Index

EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP
August 28, 2008

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL

For community map revision history prior to countywide mapping, refer to the Community Map History table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

MAP SCALE 1" = 500'
250 0 500 1000 FEET
150 0 150 300 METERS

NFIP
NATIONAL FLOOD INSURANCE PROGRAM

PANEL 1556G

FIRM

FLOOD INSURANCE RATE MAP

RIVERSIDE COUNTY, CALIFORNIA
AND INCORPORATED AREAS

PANEL 1556 OF 3805
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
AGUA CALIENTE BAND OF CAHUILLA INDIAN RESERVATION	060763	1556	G
PALM SPRINGS, CITY OF	060257	1556	G

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER
06065C1556G

EFFECTIVE DATE
AUGUST 28, 2008

Federal Emergency Management Agency

Stantec
46 DISCOVERY, STE 250
IRVINE, CA 92618
(949) 474-1400 TEL
(949) 261-8482 FAX

LOCATION MAP

SCALE N.T.S.

SHEET 2 OF 22

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NOTES TO USERS

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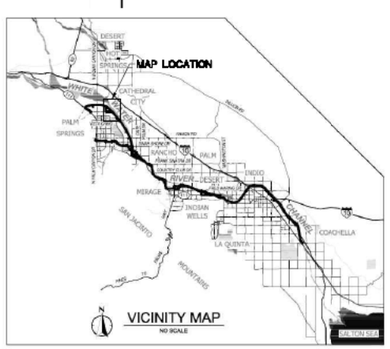

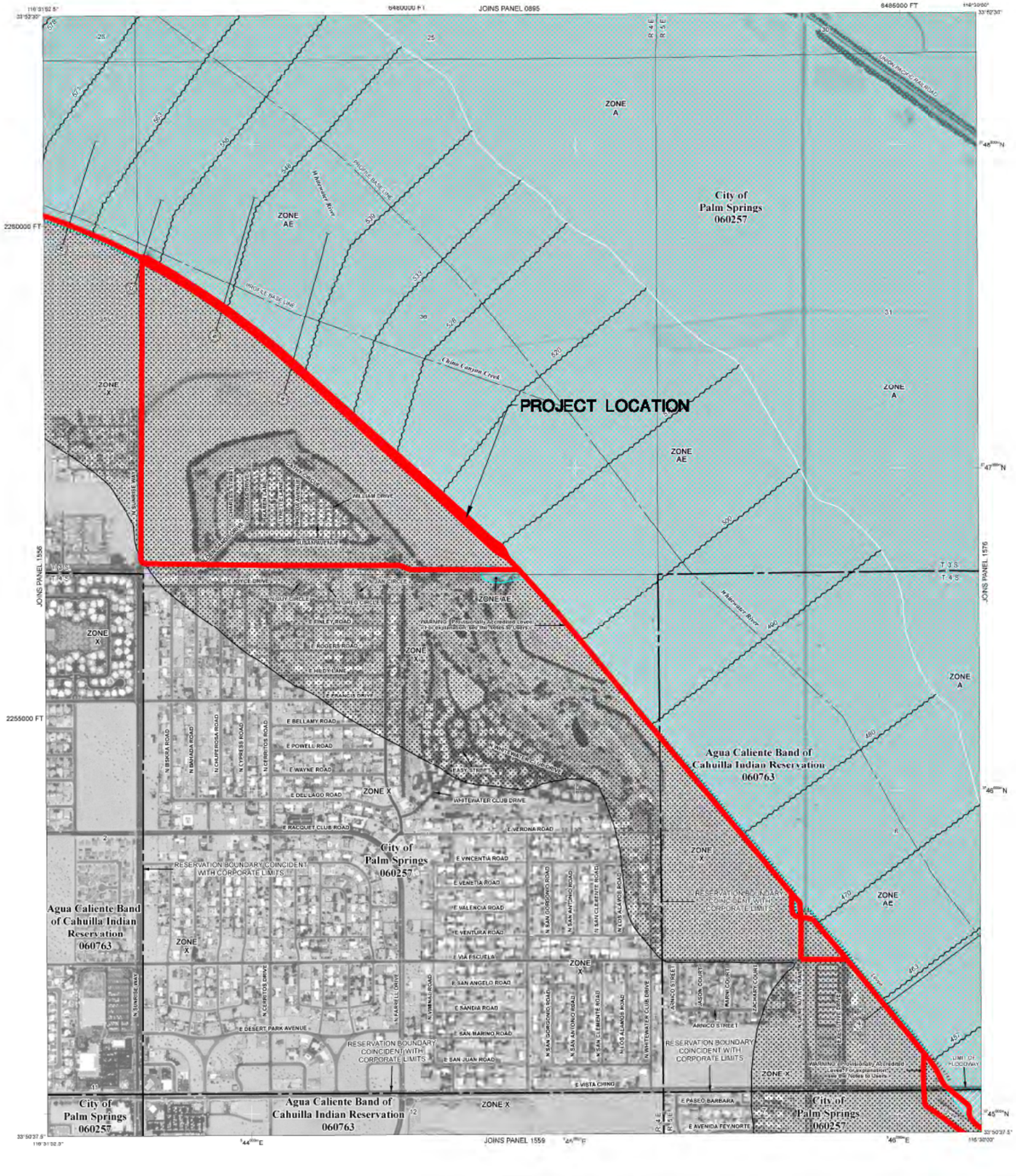

LEGEND

SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by this 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

- **ZONE A** — No Base Flood Elevations determined.
- **ZONE AE** — Base Flood Elevations determined.
- **ZONE AH** — Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
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- **ZONE AR** — Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
- **ZONE A99** — Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.
- **ZONE V** — Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
- **ZONE VE** — Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

- **ZONE X** — Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

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COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

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- 0.2% annual chance floodplain boundary
- Floodway boundary
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- (A)—(A) — Cross section line
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- DX5510 × — Bench mark (see explanation in Notes to Users section of this FIRM panel)
- M1.5 — River Mile

MAP REPOSITORY
Refer to listing of Map Repositories on Map Index

EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP
August 28, 2008

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL

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MAP SCALE 1" = 500'
250 0 500 1000 FEET
150 0 150 300 METERS

NFIP
NATIONAL FLOOD INSURANCE PROGRAM

PANEL 1557G

FIRM
FLOOD INSURANCE RATE MAP

RIVERSIDE COUNTY, CALIFORNIA AND INCORPORATED AREAS

PANEL 1557 OF 3805
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS

COMMUNITY	NUMBER	PANEL	SUFFIX
AGUA CALIENTE BAND OF CAHUILLA INDIAN RESERVATION, CITY OF PALM SPRINGS, CITY OF	060763 060257	1557 1557	G G

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MAP NUMBER
06065C1557G

EFFECTIVE DATE
AUGUST 28, 2008

Federal Emergency Management Agency

Stantec
46 DISCOVERY, STE 250
IRVINE, CA 92618
(949) 474-1400 TEL
(949) 261-8482 FAX

LOCATION MAP

SCALE N.T.S.
SHEET 3 OF 22

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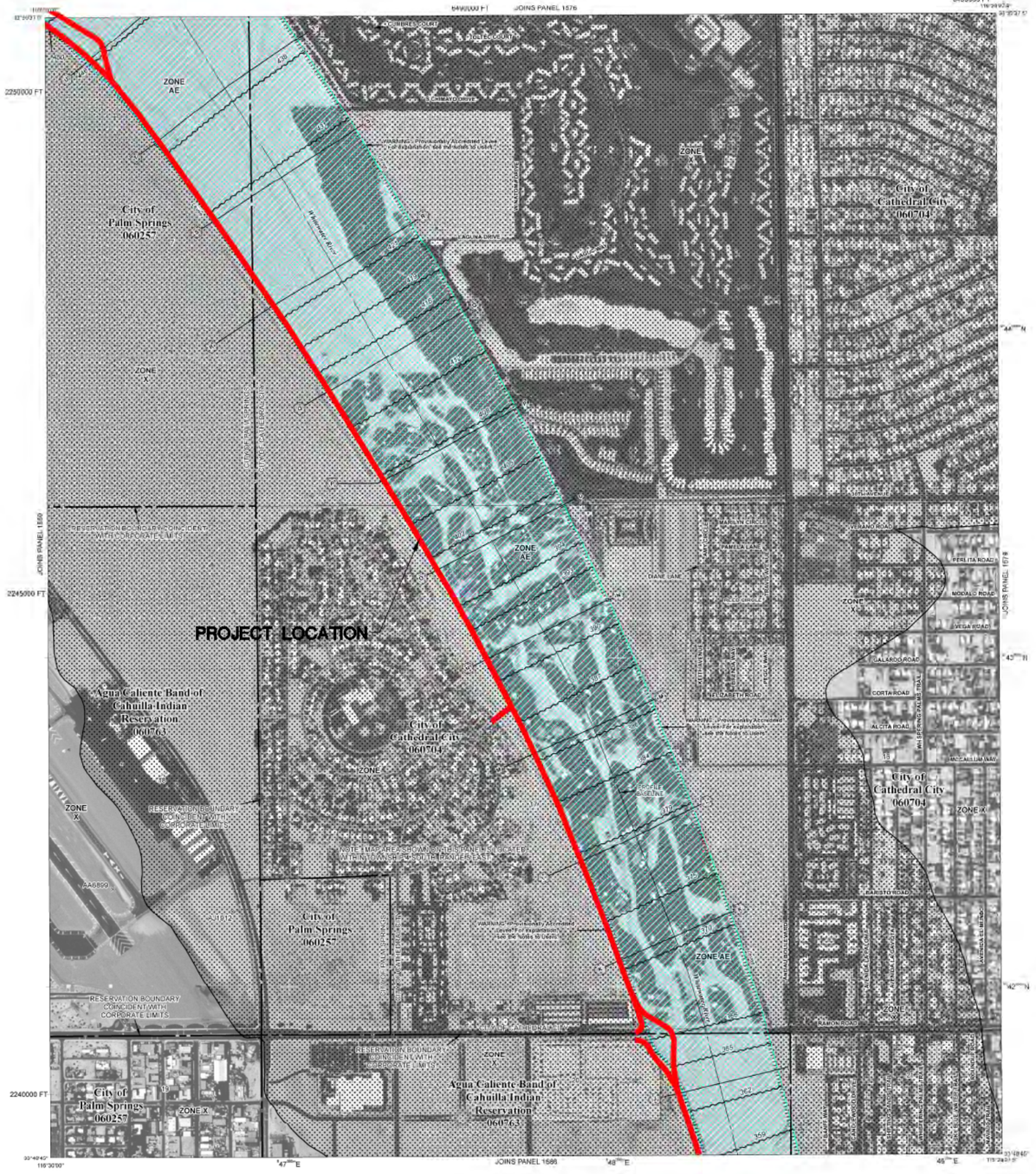

LEGEND

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OTHER FLOOD AREAS

- ZONE X — Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

- ZONE X — Areas determined to be outside the 0.2% annual chance floodplain.
- ZONE D — Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

- 1% annual chance floodplain boundary
- 0.2% annual chance floodplain boundary
- Floodway boundary
- Zone D boundary
- CBRS and OPA boundary
- Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities.
- 513 — Base Flood Elevation line and value; elevation in feet*
- (EL. 987) — Base Flood Elevation value where uniform within zone; elevation in feet*

* Referenced to the North American Vertical Datum of 1988

- A — A — Cross section line
- 23 — 23 — Transect line
- 87°07'45", 32°22'30" — Geographic coordinates referenced to the North American Datum of 1983 (NAD 83), Western Hemisphere
- 4278000 mN — 1000-meter Universal Transverse Mercator grid values, zone 11N
- 500000 FT — 5000-foot grid ticks: California State Plane coordinate system, zone VI (FIPSZONE 0406), Lambert Conformal Conic projection
- DX5510 — Bench mark (see explanation in Notes to Users section of this FIRM panel)
- M1.5 — River Mile

MAP REPOSITORY
Refer to listing of Map Repositories on Map Index

EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP
August 28, 2008

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL

For community map revision history prior to countywide mapping, refer to the Community Map History table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your Insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

MAP SCALE 1" = 600'
200 0 500 1000 FEET
150 0 150 300 METERS

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 1578G

FIRM

FLOOD INSURANCE RATE MAP

RIVERSIDE COUNTY, CALIFORNIA
AND INCORPORATED AREAS

PANEL 1578 OF 3805
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
AGUA CALIENTE BAND OF CAHUILLA INDIAN RESERVATION	060763	1578	G
CATHEDRAL CITY, CITY OF	060704	1578	G
PALM SPRINGS, CITY OF	060257	1578	G

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER
06065C1578G

EFFECTIVE DATE
AUGUST 28, 2008

Federal Emergency Management Agency

Stantec
46 DISCOVERY, STE. 230
IRVINE, CA. 92618
(949) 474-1300 TEL
(949) 261-8682 FAX

LOCATION MAP

SCALE N.T.S.

SHEET 4 OF 22

07/28/16 03:55:45 PM V:\2060\active\206000219\Proj\CAD\Exhibits\EX607-Caltrans FINAL\Segment2.dwg

NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The **community map repository** should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where **Base Flood Elevations** (BFEs) and/or **floodways** have been determined, users are encouraged to consult the Flood Profiles and Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Coastal Base Flood Elevations shown on this map apply only landward of 0.0' North American Vertical Datum of 1988 (NAVD 88). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations tables in the Flood Insurance Study report for this jurisdiction. Elevations shown in the Summary of Stillwater Elevations tables should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

Boundaries of the **floodways** were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by **flood control structures**. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

The **projection** used in the preparation of this map was Universal Transverse Mercator (UTM) zone 11. The **horizontal datum** was NAD 83, GRS80 spheroid. Differences in datum, spheroid, projection or UTM zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

Flood elevations on this map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same **vertical datum**. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at http://www.ngs.noaa.gov or contact the National Geodetic Survey at the following address:

NGS Information Services
NOAA, N/NGS12
National Geodetic Survey
SSMC-3, #9202
1315 East-West Highway
Silver Spring, Maryland 20910-3282
(301) 713-3242

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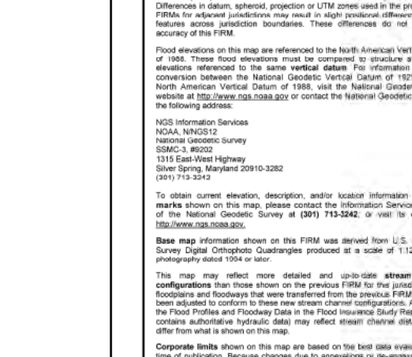
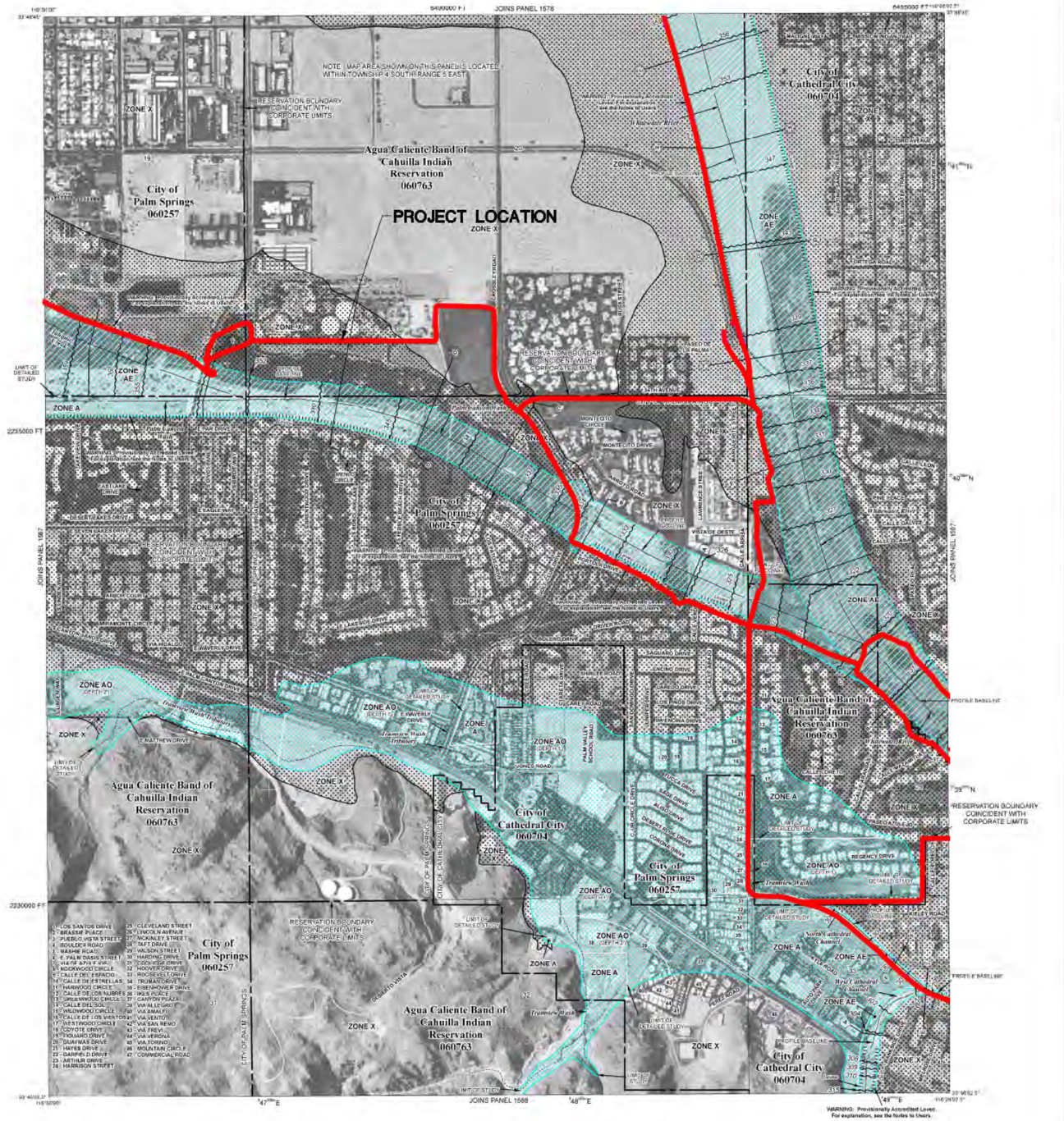
Contact the **FEMA Map Service Center** at 1-800-358-9616 for information on available products associated with this FIRM. Available products may include previously issued Letters of Map Change, a Flood Insurance Study report, and/or digital versions of this map. The FEMA Map Service Center may also be reached by Fax at 1-800-358-9620 and its website at http://msc.fema.gov.

If you have **questions about this map** or questions concerning the National Flood Insurance Program in general, please call **1-877-FEMA MAP** (1-877-336-2627) or visit the FEMA website at http://www.fema.gov.

WARNING: This map contains leveas, dikes, or other structures that have been provisionally accredited and mapped as providing protection from the 1-percent-annual-chance flood. To maintain accreditation, the levee owner or community is required to submit documentation necessary to comply with 44 CFR Section 65.10 by August 8, 2009. Because of the risk of overtopping or failure of the structure, communities should take proper precautions to protect lives and minimize damages in these areas, such as issuing an evacuation plan and encouraging property owners to purchase flood insurance.




NOTE: MAP AREA SHOWN ON THIS PANEL IS LOCATED WITHIN TOWNSHIP 4 SOUTH, RANGE 5 EAST
RESERVATION BOUNDARY COINCIDENT WITH CORPORATE LIMITS
Agua Caliente Band of Cahuilla Indian Reservation 060763
City of Palm Springs 060257
City of Cathedral City 060704
PROJECT LOCATION
ZONE X
ZONE AE
ZONE A
ZONE AO
ZONE X
JOINS PANEL 1578
JOINS PANEL 1588
JOINS PANEL 1567
UNIT OF DETAILED STUDY
WARNING: Provisionally Accredited Levee. For explanation, see the Notes to Users.
PROFILE BASELINE
FLOODWAY BOUNDARY
Tramview Wash
Palm Canyon Wash
Tahquitz Creek
Chino Canyon
Andreas Canyon
Whitewater River
Dead Indian Creek
Snow Creek
Falls Creek
Morongo Wash
Big Morongo Canyon
Mission Creek
Long Canyon
Willow Hole
Dry Wash
Dillon Wash
Thousand Palms Canyon
Edom Hill
Cathedral City
Palm Springs
Desert Hot Springs
Indian Canyon Drive
Gene Autry Trail
Ramon Road
Vista Chino
Palm Drive
Date Palm Drive
Monterey Avenue
Bob Hope Drive
Da Vall Drive
Landau Boulevard
Dinah Shore Drive
Frank Sinatra Drive
Ramon Road
Vista Del Sol
Avenida Olancha
Avenida Cabrillo
Avenida Caballeros
Avenida Palmas
Avenida Rancho Vista
Avenida Olancha
Avenida Cabrillo
Avenida Caballeros
Avenida Palmas
Avenida Rancho Vista
Via Escuela
Via Lola
Via Colusa
Via Colusa Norte
Via Colusa Sur
Via Dona
Via Serena
Via Serena North
Via Serena South
Via Olivera
Via Olivera North
Via Olivera South
Via Miraleste
Via Miraleste North
Via Miraleste South
Via Chapparal
Via Chapparal North
Via Chapparal South
Via Lola
Via Colusa
Via Colusa Norte
Via Colusa Sur
Via Dona
Via Serena
Via Serena North
Via Serena South
Via Olivera
Via Olivera North
Via Olivera South
Via Miraleste
Via Miraleste North
Via Miraleste South
Via Chapparal
Via Chapparal North
Via Chapparal South
Via Escuela

NOTES TO USERS

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1315 East-West Highway
Silver Spring, Maryland 20910-3282
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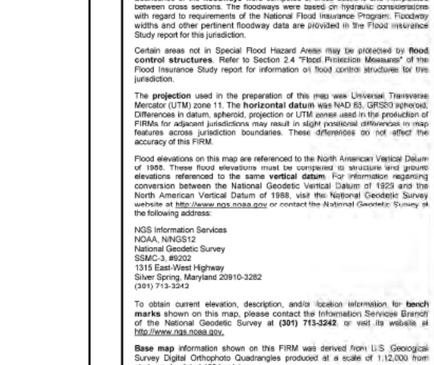
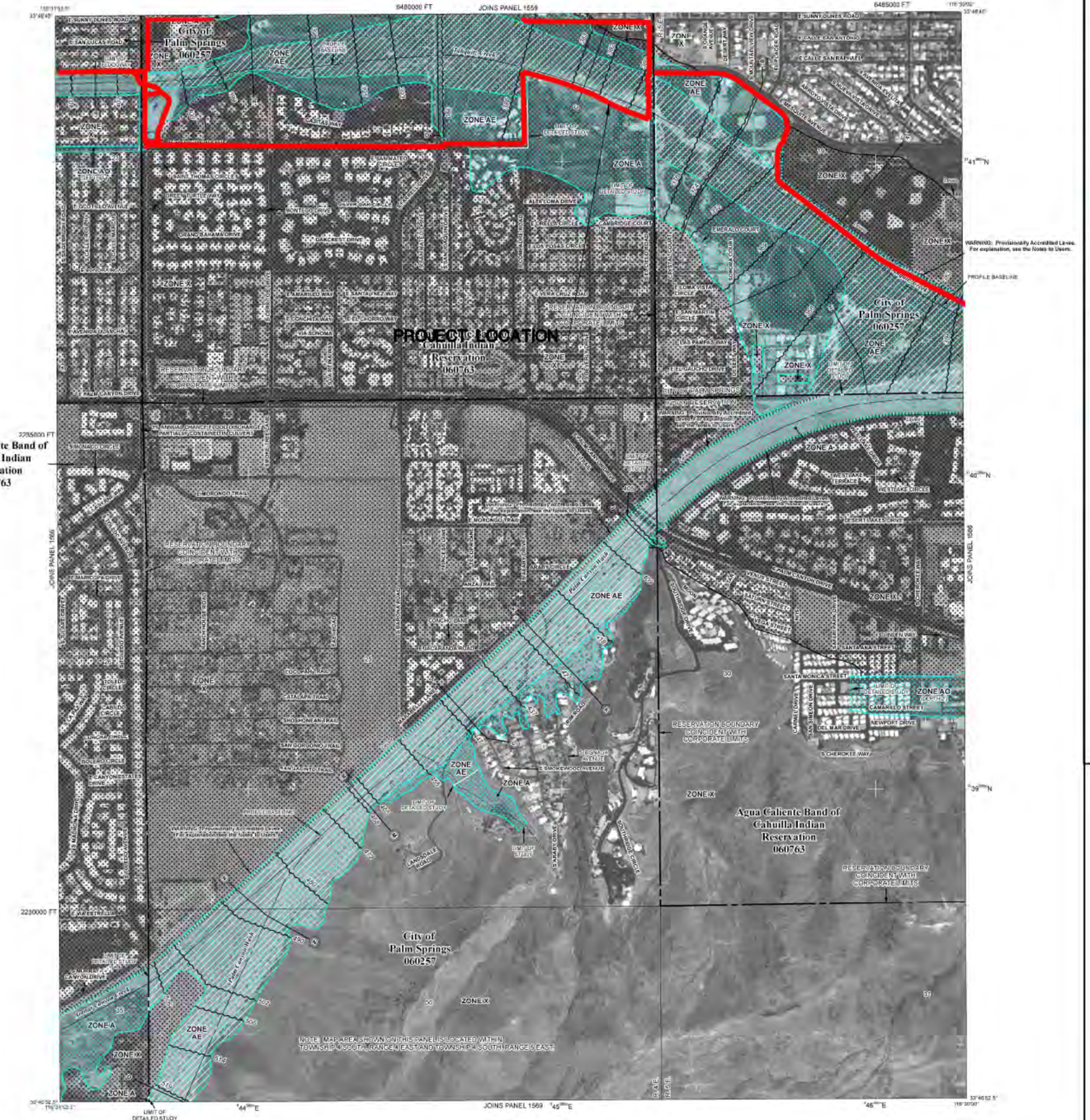
WARNING: This map contains levees, dikes, or other structures that have been provisionally accredited and mapped as providing protection from the 1-percent-annual-chance flood. To maintain accreditation, the levee owner or community is required to submit documentation necessary to comply with 44 CFR Section 65.10 by August 8, 2009. Because of the risk of overtopping or failure of the structure, communities should take proper precautions to protect lives and minimize damages in these areas, such as issuing an evacuation plan and encouraging property owners to purchase flood insurance.





LEGEND

SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equalled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

ZONE A	No Base Flood Elevations determined.
ZONE AE	Base Flood Elevations determined.
ZONE AH	Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
ZONE AO	Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
ZONE AR	Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
ZONE A99	Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.
ZONE V	Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
ZONE VE	Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

ZONE X	Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

ZONE X	Areas determined to be outside the 0.2% annual chance floodplain.
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OTHERWISE PROTECTED AREAS (OPAs)

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- 0.2% annual chance floodplain boundary
- Floodway boundary
- Zone D boundary
- CBRS and OPA boundary
- Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities.
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- (EL. 987) — Base Flood Elevation value where uniform within zone; elevation in feet*
- * Referenced to the North American Vertical Datum of 1988
- A — A — Cross section line
- 23 — 23 — Transect line
- 87°07'45", 32°22'30" — Geographic coordinates referenced to the North American Datum of 1983 (NAD 83), Western Hemisphere
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- 500000 FT — 5000-foot grid ticks: California State Plane coordinate system, zone VI (FIPSZONE 0406), Lambert Conformal Conic projection
- DX5510 X — Bench mark (see explanation in Notes to Users section of this FIRM panel)
- M1.5 — River Mile

MAP REPOSITORY
Refer to listing of Map Repositories on Map Index

EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP
August 28, 2008

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL

For community map revision history prior to countywide mapping, refer to the Community Map History table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

MAP SCALE 1" = 500'
250 0 500 1000 FEET
150 0 150 300 METERS

NFIP
NATIONAL FLOOD INSURANCE PROGRAM

PANEL 1567G

FIRM
FLOOD INSURANCE RATE MAP

RIVERSIDE COUNTY, CALIFORNIA AND INCORPORATED AREAS

PANEL 1567 OF 3805
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
AGUA CALIENTE BAND OF CAHUILLA INDIAN RESERVATION	060763	1567	G
PALM SPRINGS, CITY OF	060257	1567	G

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MAP NUMBER
06065C1567G

EFFECTIVE DATE
AUGUST 28, 2008

Federal Emergency Management Agency

Stantec
46 DISCOVERY, STE 250
IRVINE, CA 92618
(949) 474-1400 TEL
(949) 261-8482 FAX

LOCATION MAP

SCALE N.T.S.

SHEET 6 OF 22

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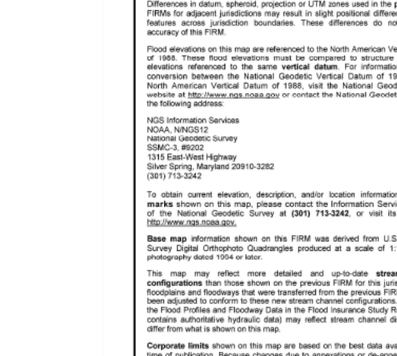

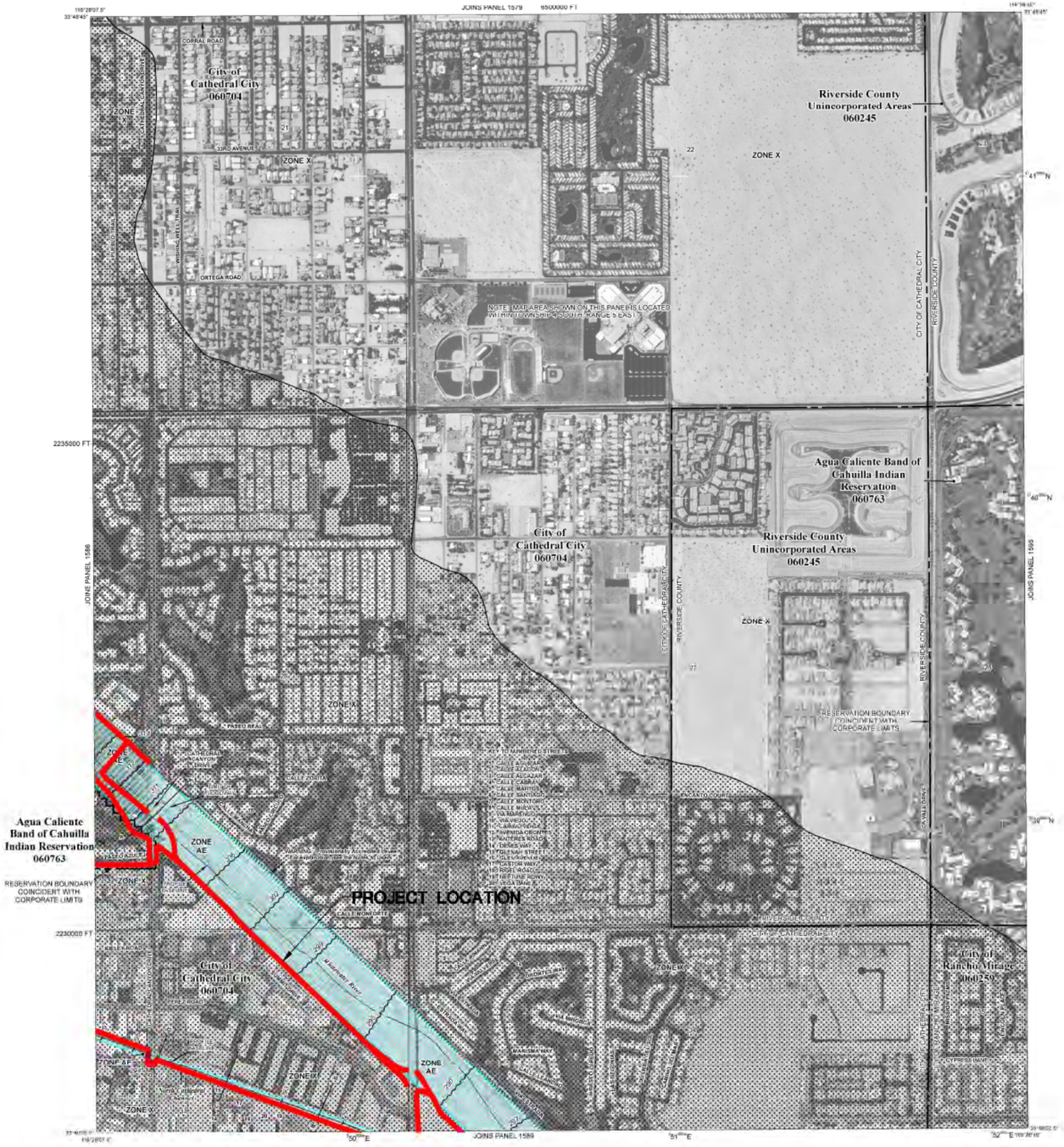

LEGEND

SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equalled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

ZONE A	No Base Flood Elevations determined.
ZONE AE	Base Flood Elevations determined.
ZONE AH	Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
ZONE AO	Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
ZONE AR	Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
ZONE A99	Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.
ZONE V	Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
ZONE VE	Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

ZONE X — Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

ZONE X — Areas determined to be outside the 0.2% annual chance floodplain.

ZONE D — Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

- 1% annual chance floodplain boundary
- 0.2% annual chance floodplain boundary
- Floodway boundary
- Zone D boundary
- CBRS and OPA boundary
- Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities.
- 513 — Base Flood Elevation line and value; elevation in feet*
- (EL. 987) — Base Flood Elevation value where uniform within zone; elevation in feet*

* Referenced to the North American Vertical Datum of 1988

- A — A — Cross section line
- 23 — 23 — Transect line
- 87°07'45", 32°22'30" — Geographic coordinates referenced to the North American Datum of 1983 (NAD 83), Western Hemisphere
- 4276000 mN — 1000-meter Universal Transverse Mercator grid values, zone 11N
- 600000 FT — 5000-foot grid ticks: California State Plane coordinate system, zone VI (FIPSZONE 0406), Lambert Conformal Conic projection
- DX5510 — Bench mark (see explanation in Notes to Users section of this FIRM panel)
- M1 — River Mile

MAP REPOSITORY
Refer to listing of Map Repositories on Map Index

EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP
August 28, 2008

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL

For community map revision history prior to countywide mapping, refer to the Community Map History table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

MAP SCALE 1" = 500'
250 0 500 1000 FEET
100 0 150 300 METERS

NFIP
NATIONAL FLOOD INSURANCE PROGRAM

PANEL 1587G

FIRM
FLOOD INSURANCE RATE MAP

RIVERSIDE COUNTY, CALIFORNIA AND INCORPORATED AREAS

PANEL 1587 OF 3805
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
AGUA CALIENTE BAND OF CAHUILLA INDIAN RESERVATION	060763	1587	G
CATHEDRAL CITY, CITY OF	060704	1587	G
RANCHO MIRAGE, CITY OF	060250	1587	G
RIVERSIDE COUNTY	060245	1587	G

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER
06065C1587G

EFFECTIVE DATE
AUGUST 28, 2008

Federal Emergency Management Agency

Stantec
46 DISCOVERY, STE 230
IRVINE, CA 92618
(949) 474-1300 TEL
(949) 261-8482 FAX

LOCATION MAP

SCALE N.T.S.
SHEET 2 OF 22

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NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The **community map repository** should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where **Base Flood Elevations** (BFEs) and/or **floodways** have been determined, users are encouraged to consult the Flood Profiles and Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Coastal Base Flood Elevations shown on this map apply only landward of 0.0 North American Vertical Datum of 1988 (NAVD 88). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations tables in the Flood Insurance Study report for this jurisdiction. Elevations shown in the Summary of Stillwater Elevations tables should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

Boundaries of the **floodways** were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by **flood control structures**. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

The **projection** used in the preparation of this map was Universal Transverse Mercator (UTM) zone 11. The **horizontal datum** was NAD 83, GRS80 spheroid. Differences in datum, spheroid, projection or UTM zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

Flood elevations on this map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same **vertical datum**. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at http://www.ngs.noaa.gov or contact the National Geodetic Survey at the following address:

NGS Information Services
NOAA, N/NGS12
National Geodetic Survey
SSMC-3, #9202
1315 East-West Highway
Silver Spring, Maryland 20910-3282
(301) 713-3242

To obtain current elevation, description, and/or location information for **bench marks** shown on this map, please contact the Information Services Branch of the National Geodetic Survey at **(301) 713-3242**, or visit its website at http://www.ngs.noaa.gov.

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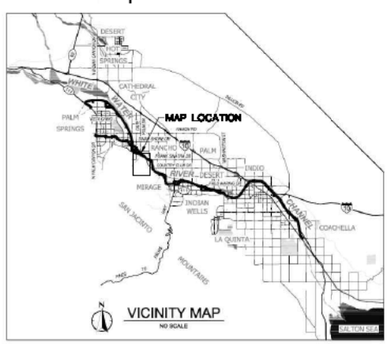
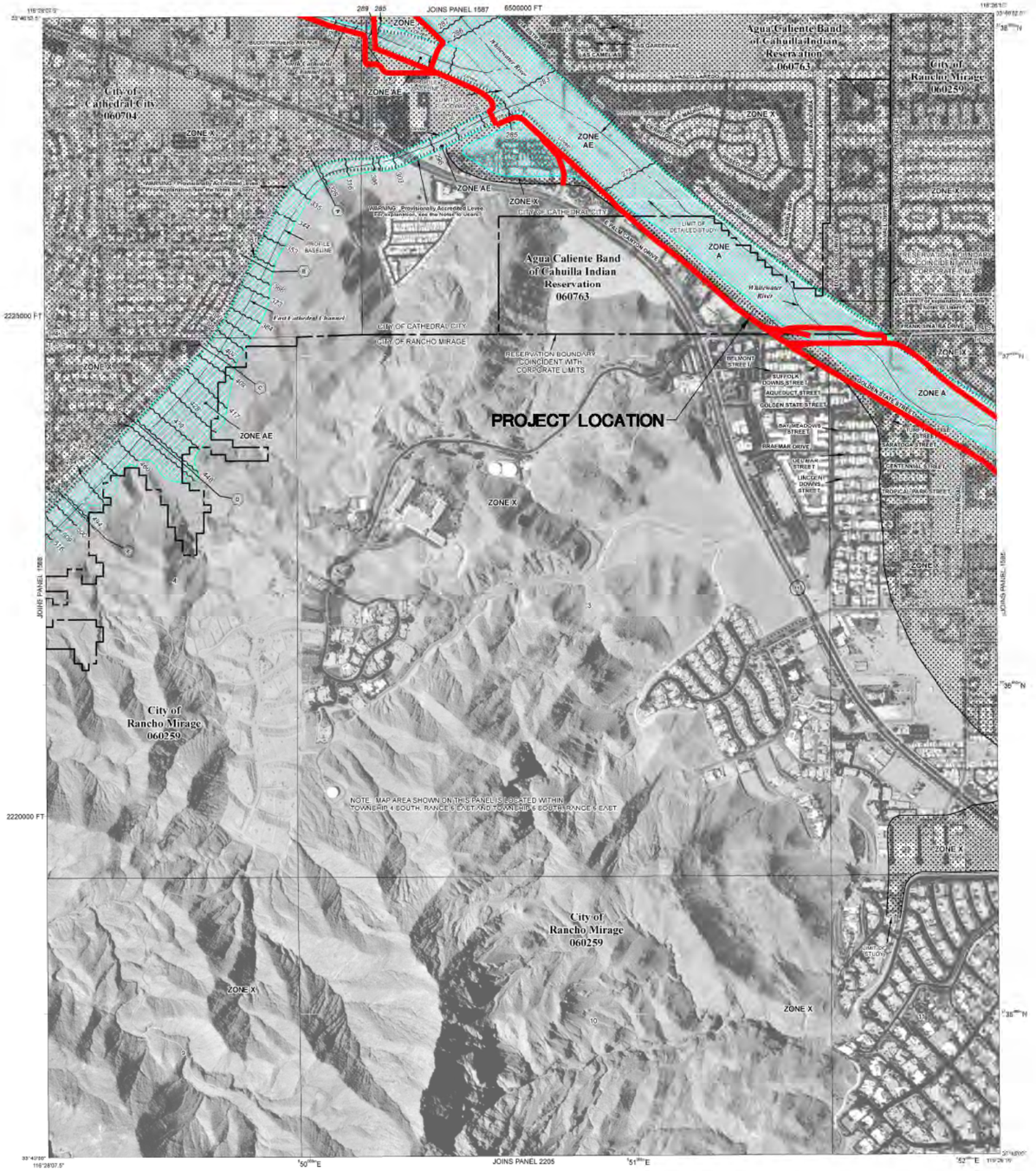
Contact the **FEMA Map Service Center** at 1-800-358-9616 for information on available products associated with this FIRM. Available products may include previously issued Letters of Map Change, a Flood Insurance Study report, and/or digital versions of this map. The FEMA Map Service Center may also be reached by Fax at 1-800-358-9620 and its website at http://msc.fema.gov.

If you have **questions about this map** or questions concerning the National Flood Insurance Program in general, please call **1-877-FEMA MAP** (1-877-336-2627) or visit the FEMA website at http://www.fema.gov.

WARNING: This map contains levees, dikes, or other structures that have been provisionally accredited and mapped as providing protection from the 1-percent-annual-chance flood. To maintain accreditation, the levee owner or community is required to submit documentation necessary to comply with 44 CFR Section 65.10 by August 8, 2009. Because of the risk of overtopping or failure of the structure, communities should take proper precautions to protect lives and minimize damages in these areas, such as issuing an evacuation plan and encouraging property owners to purchase flood insurance.





LEGEND

SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equalled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, AR/, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

- ZONE A — No Base Flood Elevations determined.
- ZONE AE — Base Flood Elevations determined.
- ZONE AH — Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
- ZONE AO — Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
- ZONE AR — Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
- ZONE AR/ — Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.
- ZONE V — Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
- ZONE VE — Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

- ZONE X — Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

- ZONE X — Areas determined to be outside the 0.2% annual chance floodplain.
- ZONE D — Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

- 1% annual chance floodplain boundary
- 0.2% annual chance floodplain boundary
- Floodway boundary
- Zone D boundary
- CBRS and OPA boundary
- Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities.
- 513 — Static Flood Elevation line and value; elevation in feet*
- (EL 987) — Base Flood Elevation value where uniform within zone; elevation in feet*

* Referenced to the North American Vertical Datum of 1988

- A — A — Cross section line
- 97 — 97 — Transect line
- 87°07'45", 32°22'30" — Geographic coordinates referenced to the North American Datum of 1983 (NAD 83), Western Hemisphere
- 4275000 mN — 1000-meter Universal Transverse Mercator grid values, zone 11N
- 600000 FT — 5000-foot grid ticks: California State Plane coordinate system, zone VI (FIPSZONE 0406), Lambert Conformal Conic projection
- DX5510 — Bench mark (see explanation in Notes to Users section of this FIRM panel)
- M1.5 — River Mile

MAP REPOSITORY
Refer to listing of Map Repositories on Map Index

EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP
August 28, 2008

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL

For communities with revised history prior to countywide mapping, refer to the Community Map History table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

MAP SCALE 1" = 500'
250 0 500 1000 FEET
150 0 150 300 METERS

NFIP — NATIONAL FLOOD INSURANCE PROGRAM

PANEL 1589G

FIRM

FLOOD INSURANCE RATE MAP

RIVERSIDE COUNTY, CALIFORNIA
AND INCORPORATED AREAS

PANEL 1589 OF 3805
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
AGUA CALIENTE BAND OF CAHUILLA INDIAN RESERVATION	060763	1589	G
CATHEDRAL CITY, CITY OF	060704	1589	G
RANCHO MIRAGE, CITY OF	060259	1589	G

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER
06065C1589G

EFFECTIVE DATE
AUGUST 28, 2008

Federal Emergency Management Agency

Stantec
46 DISCOVERY, STE 230
IRVINE, CA 92618
(949) 474-1400 TEL
(949) 261-8482 FAX

LOCATION MAP

SCALE N.T.S.
SHEET 8 OF 22

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NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The **community map repository** should be consulted for possible updated or additional flood hazard information.

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Boundaries of the **floodways** were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by **flood control structures**. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

The **projection** used in the preparation of this map was Universal Transverse Mercator (UTM) zone 11. The **horizontal datum** was NAD 83, GRS80 spheroid. Differences in datum, spheroid, projection or UTM zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

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NOAA, NNGS12
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SSMC-3, #9202
1315 East-West Highway
Silver Spring, Maryland 20910-3282
(301) 713-3242

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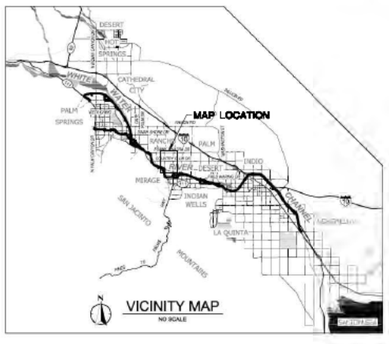
PROJECT LOCATION



LEGEND

SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

- ZONE A — No Base Flood Elevations determined.
- ZONE AE — Base Flood Elevations determined.
- ZONE AH — Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
- ZONE AO — Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
- ZONE AR — Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
- ZONE A99 — Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.
- ZONE V — Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
- ZONE VE — Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

- ZONE X — Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

- ZONE X — Areas determined to be outside the 0.2% annual chance floodplain.
- ZONE D — Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

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- 1% annual chance floodplain boundary
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- 513 (EL 987) — Base Flood Elevation line and value; elevation in feet*
- Base Flood Elevation value where uniform within zone; elevation in feet*

* Referenced to the North American Vertical Datum of 1988

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- DX5510 — Bench mark (see explanation in Notes to Users section of this FIRM panel)
- M1.5 — River Mile

MAP REPOSITORY
Refer to listing of Map Repositories on Map Index

EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP
August 28, 2008

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL

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MAP SCALE 1" = 1000'

300 0 1000 2000 FEET
300 0 300 600 METERS

NFIP
NATIONAL FLOOD INSURANCE PROGRAM

PANEL 1595G

FIRM
FLOOD INSURANCE RATE MAP

RIVERSIDE COUNTY, CALIFORNIA
AND INCORPORATED AREAS

PANEL 1595 OF 3805
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS

COMMUNITY	NUMBER	PANEL	SUFFIX
AGUA CALIENTE BAND OF CAHUILLA INDIAN RESERVATION	060763	1595	G
PALM DESERT, CITY OF	060629	1595	G
RANCHO MIRAGE, CITY OF	060259	1595	G
RIVERSIDE COUNTY	060245	1595	G

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER
06065C1595G

EFFECTIVE DATE
AUGUST 28, 2008

Federal Emergency Management Agency

Stantec
46 DISCOVERY, STE 250
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LOCATION MAP

SCALE N.T.S.

SHEET 9 OF 22

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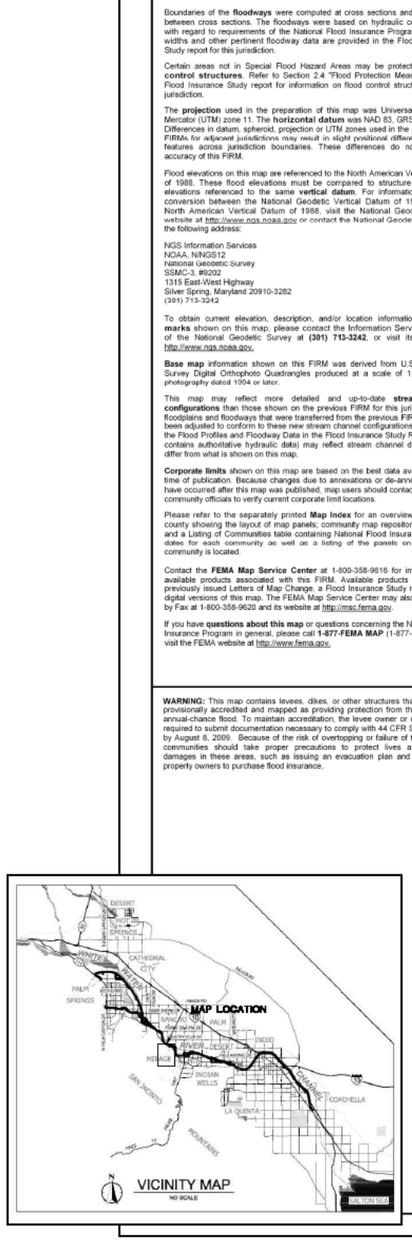

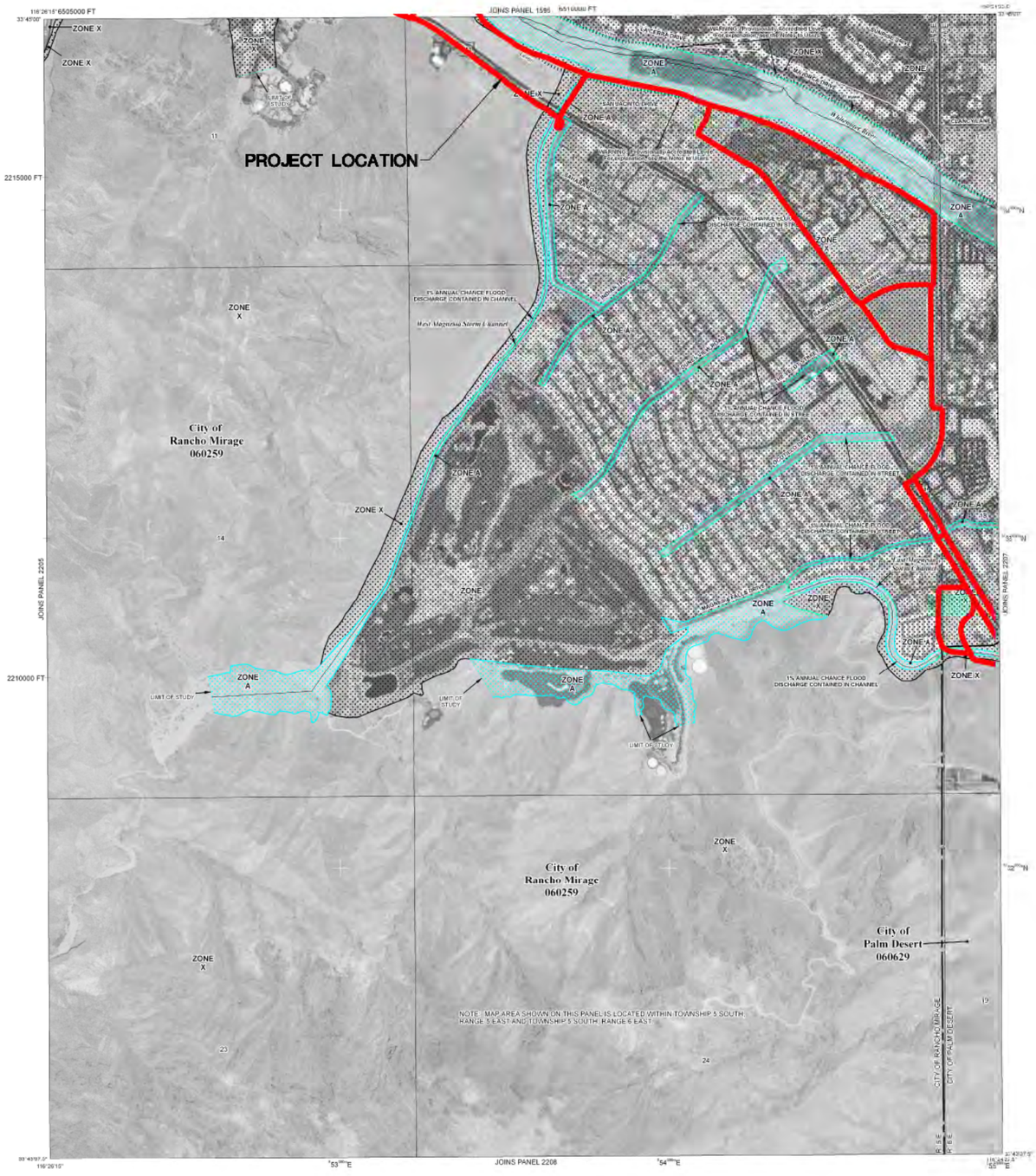

LEGEND

SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

ZONE A	No Base Flood Elevations determined.
ZONE AE	Base Flood Elevations determined.
ZONE AH	Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
ZONE AO	Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
ZONE AR	Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
ZONE A99	Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.
ZONE V	Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
ZONE VE	Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

ZONE X	Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

ZONE X	Areas determined to be outside the 0.2% annual chance floodplain.
ZONE D	Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

1% annual chance floodplain boundary

0.2% annual chance floodplain boundary

Floodway boundary

Zone D boundary

CBRS and OPA boundary

Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities.

513 — Base Flood Elevation line and value; elevation in feet*

(EL 987) — Base Flood Elevation value where uniform within zone; elevation in feet*

* Referenced to the North American Vertical Datum of 1988

(A) — (A) Cross section line

(A) — (A) Transect line

87°07'45", 32°22'30" — Geographic coordinates referenced to the North American Datum of 1983 (NAD 83), Western Hemisphere

4759000 mN — 1000-meter Universal Transverse Mercator grid values, zone 11N

500000 FT — 5000-foot grid ticks: California State Plane coordinate system, zone VI (FIPSZONE 0406), Lambert Conformal Conic projection

DX5510 — Bench mark (see explanation in Notes to Users section of this FIRM panel)

M1.5 — River Mile

MAP REPOSITORY
Refer to listing of Map Repositories on Map Index

EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP
August 28, 2008

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL

For community map revision history prior to countywide mapping, refer to the Community Map History table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your Insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

MAP SCALE 1" = 500'

250 0 500 1000 FEET

150 0 150 300 METERS

NFIP

PANEL 2206G

FIRM

FLOOD INSURANCE RATE MAP

RIVERSIDE COUNTY, CALIFORNIA
AND INCORPORATED AREAS

PANEL 2206 OF 3805
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
PALM DESERT, CITY OF	060629	2206	G
RANCHO MIRAGE, CITY OF	060259	2206	G

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER
06065C2206G

EFFECTIVE DATE
AUGUST 28, 2008

Federal Emergency Management Agency

NATIONAL FLOOD INSURANCE PROGRAM

Stantec
46 DISCOVERY, STE 250
IRVINE, CA 92618
(949) 474-1400 TEL
(949) 261-8482 FAX

LOCATION MAP

SCALE N.T.S.

SHEET 10 OF 22

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NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The **community map repository** should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where **Base Flood Elevations** (BFEs) and/or **floodways** have been determined, users are encouraged to consult the Flood Profiles and Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Coastal Base Flood Elevations shown on this map apply only landward of 0.0 North American Vertical Datum of 1988 (NAVD 88). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations tables in the Flood Insurance Study report for this jurisdiction. Elevations shown in the Summary of Stillwater Elevations tables should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

Boundaries of the **floodways** were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by **flood control structures**. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

The **projection** used in the preparation of this map was Universal Transverse Mercator (UTM) zone 11. The **horizontal datum** was NAD 83, GRS80 spheroid. Differences in datum, spheroid, projection or UTM zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

Flood elevations on this map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same **vertical datum**. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at http://www.ngs.noaa.gov or contact the National Geodetic Survey at the following address:

NGS Information Services
NOAA, N/NGS12
National Geodetic Survey
SSMC-3, #9202
1315 East-West Highway
Silver Spring, Maryland 20910-3282
(301) 713-3242

To obtain current elevation, description, and/or location information for **bench marks** shown on this map, please contact the Information Services Branch of the National Geodetic Survey at **(301) 713-3242**, or visit its website at http://www.ngs.noaa.gov.

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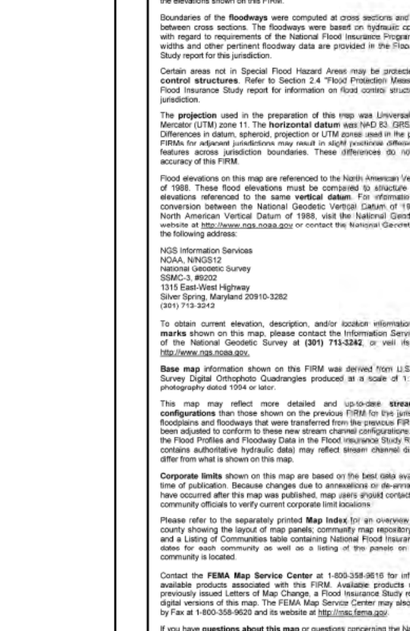

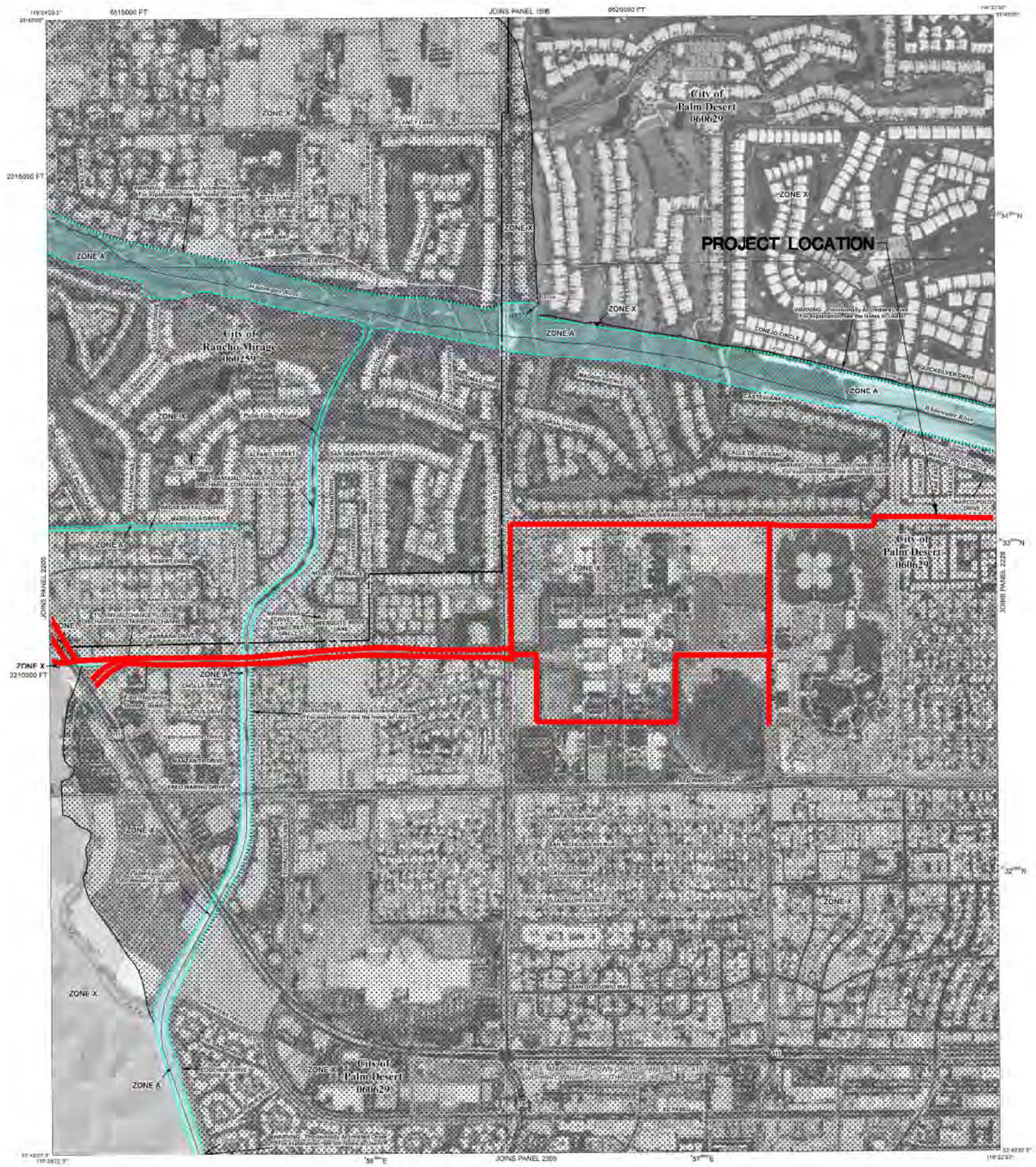

LEGEND

SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

- ZONE A — No Base Flood Elevations determined.
- ZONE AE — Base Flood Elevations determined.
- ZONE AH — Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
- ZONE AO — Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
- ZONE AR — Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
- ZONE A99 — Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.
- ZONE V — Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
- ZONE VE — Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

- ZONE X — Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

- ZONE X — Areas determined to be outside the 0.2% annual chance floodplain.
- ZONE D — Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

- 1% annual chance floodplain boundary
- 0.2% annual chance floodplain boundary
- Floodway boundary
- Zone D boundary
- CBRS and OPA boundary
- Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities.
- 513 — Base Flood Elevation line and value; elevation in feet*
- (EL 987) — Base Flood Elevation value where uniform within zone; elevation in feet*

* Referenced to the North American Vertical Datum of 1988

- (A)—(A) — Cross section line
- (B)—(B) — Transect line
- 87°07'45", 32°22'30" — Geographic coordinates referenced to the North American Datum of 1983 (NAD 83), Western Hemisphere
- 4375000 FT N — 1000-meter Universal Transverse Mercator grid values, zone 11S
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- DX5510 — Bench mark (see explanation in Notes to Users section of this FIRM panel)
- M1.5 — River Mile

MAP REPOSITORY
Refer to listing of Map Repositories on Map Index

EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP
August 28, 2008

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL

For community map revision history prior to countywide mapping, refer to the Community Map History table located in the Flood Insurance Study report for this jurisdiction.

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MAP SCALE 1" = 500'
250 0 500 1000 FEET
150 0 150 300 METERS

NFIP — NATIONAL FLOOD INSURANCE PROGRAM

PANEL 2207G

FIRM

FLOOD INSURANCE RATE MAP

RIVERSIDE COUNTY, CALIFORNIA
AND INCORPORATED AREAS

PANEL 2207 OF 3805

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
PALM DESERT, CITY OF	060626	2207	G
RANCHO MIRAGE, CITY OF	060259	2207	G

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER
06065C2207G

EFFECTIVE DATE
AUGUST 28, 2008

Federal Emergency Management Agency

Stantec
46 DISCOVERY, STE 230
IRVINE, CA 92618
(949) 474-1400 TEL
(949) 261-8482 FAX

LOCATION MAP

SCALE N.T.S.
SHEET 11 OF 22

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NOTES TO USERS

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NGS Information Services
NOAA, N/NGS12
National Geodetic Survey
SSMC-3, #9202
1315 East-West Highway
Silver Spring, Maryland 20910-3282
(301) 713-3242

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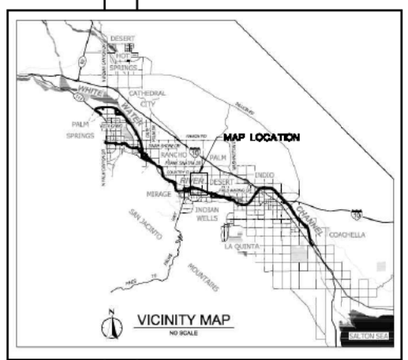

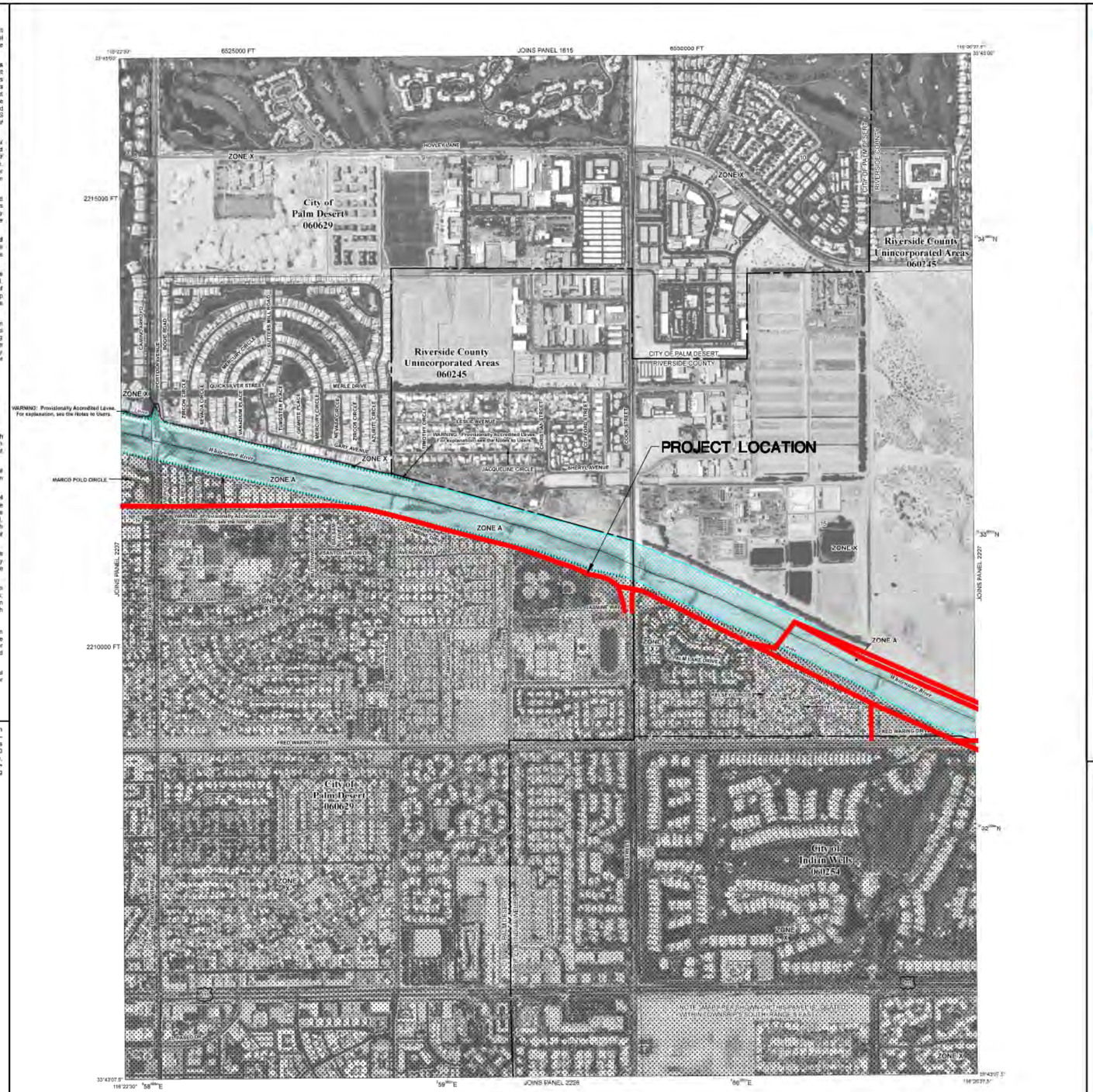
JOINS PANEL 1615
6525000 FT
6550000 FT
2315000 FT
2210000 FT
ZONE X
City of Palm Desert 060629
Riverside County Unincorporated Areas 060245
CITY OF PALM DESERT
RIVERSIDE COUNTY
PROJECT LOCATION
ZONE A
WARNING: Provisionally Accredited Levee. For explanation, see the Notes to Users.
Whitewater River
MARCO POLO CIRCLE
HOVLEY LANE
QUICKSILVER STREET
MERLE DRIVE
SHERYL AVENUE
JACQUELINE CIRCLE
CAMINO DEL SOL
CAMINO SERENA
CAMINO PEQUENO
CAMINO MONTE VISTA
CAMINO DE LA MONTANA
CAMINO DEL NORTE
CAMINO DEL ESTE
CAMINO DEL OESTE
CAMINO DEL SUR
CAMINO DEL VALLE
CAMINO DEL MONTE
CAMINO DEL RIO
CAMINO DEL MAR
CAMINO DEL CERRO
CAMINO DEL ORO
CAMINO DEL PRADO
CAMINO DEL PLATA
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CAMINO DEL PLATA

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1315 East-West Highway
Silver Spring, Maryland 20910-3282
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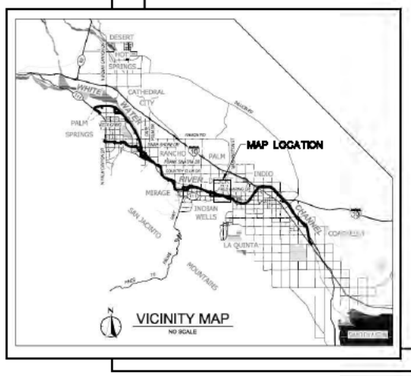




LEGEND

SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

ZONE A	No Base Flood Elevations determined.
ZONE AE	Base Flood Elevations determined.
ZONE AH	Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
ZONE AO	Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
ZONE AR	Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
ZONE A99	Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.
ZONE V	Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
ZONE VE	Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

ZONE X	Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

ZONE X	Areas determined to be outside the 0.2% annual chance floodplain.
ZONE D	Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

- 1% annual chance floodplain boundary
- 0.2% annual chance floodplain boundary
- Floodway boundary
- Zone D boundary
- CBRS and OPA boundary
- Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities.
- 513 — Base Flood Elevation line and value; elevation in feet*
- (EL 987) — Base Flood Elevation value where uniform within zone; elevation in feet*

* Referenced to the North American Vertical Datum of 1988

- 23 — 23 — Cross section line
- A — A — Transect line
- 87°07'45", 32°22'30" — Geographic coordinates referenced to the North American Datum of 1983 (NAD 83), Western Hemisphere
- 4276000mN — 1000-meter Universal Transverse Mercator grid values, zone 11N
- 600000 FT — 5000-foot grid ticks: California State Plane coordinate system, zone VI (FIPSZONE 0406), Lambert Conformal Conic projection
- DX5510 x — Bench mark (see explanation in Notes to Users section of this FIRM panel)
- M1.5 — River Mile

MAP REPOSITORY
Refer to listing of Map Repositories on Map Index

EFFECTIVE DATE OF COUNTYWIDE
FLOOD INSURANCE RATE MAP
August 28, 2008

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL

For community map revision history prior to countywide mapping, refer to the Community Map History table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

MAP SCALE 1" = 500'
250 0 500 1000 FEET
150 0 150 300 METERS

NFIP
NATIONAL FLOOD INSURANCE PROGRAM

PANEL 2227G

FIRM
FLOOD INSURANCE RATE MAP

RIVERSIDE COUNTY, CALIFORNIA AND INCORPORATED AREAS

PANEL 2227 OF 3805
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
INDIAN WELLS, CITY OF	060254	2227	G
RIVERSIDE COUNTY	060245	2227	G

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER
06065C2227G

EFFECTIVE DATE
AUGUST 28, 2008

Federal Emergency Management Agency

Stantec
46 DISCOVERY, STE 250
IRVINE, CA 92618
(949) 474-1400 TEL
(949) 261-8482 FAX

LOCATION MAP

SCALE N.T.S.
SHEET 13 OF 22

07/28/16 03:59:16 PM V:\2065\active\206500221\Proj\CAD\Exhibits\EX2927--Caltrans FEMA\Segment6.dwg

NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The **community map repository** should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where **Base Flood Elevations** (BFEs) and/or **floodways** have been determined, users are encouraged to consult the "Flood Profiles and Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Coastal Base Flood Elevations shown on this map apply only landward of 0.0' North American Vertical Datum of 1988 (NAVD 88). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations tables in the Flood Insurance Study report for this jurisdiction. Elevations shown in the Summary of Stillwater Elevations tables should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

Boundaries of the **floodways** were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by **flood control structures**. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

The **projection** used in the preparation of this map was Universal Transverse Mercator (UTM) zone 11. The **horizontal datum** was NAD 83, GRS80 spheroid. Differences in datum, spheroid, projection or UTM zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

Flood elevations on this map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same **vertical datum**. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at http://www.ngs.noaa.gov or contact the National Geodetic Survey at the following address:

NGS Information Services
NOAA, N/NGS12
National Geodetic Survey
SSMC-3, #9202
1315 East-West Highway
Silver Spring, Maryland 20910-3282
(301) 713-3242

To obtain current elevation, description, and/or location information for **bench marks** shown on this map, please contact the Information Services Branch of the National Geodetic Survey at **(301) 713-3242**, or visit its website at http://www.ngs.noaa.gov.

Base map information shown on this FIRM was derived from U.S. Geological Survey Digital Orthophoto Quadrangles produced at a scale of 1:12,000 from photography dated 1994 or later.

This map may reflect more detailed and up-to-date **stream channel configurations** than those shown on the previous FIRM for this jurisdiction. The floodplains and floodways that were transferred from the previous FIRM may have been adjusted to conform to these new stream channel configurations. As a result, the Flood Profiles and Floodway Data in the Flood Insurance Study Report (which contains authoritative hydraulic data) may reflect stream channel distances that differ from what is shown on this map.

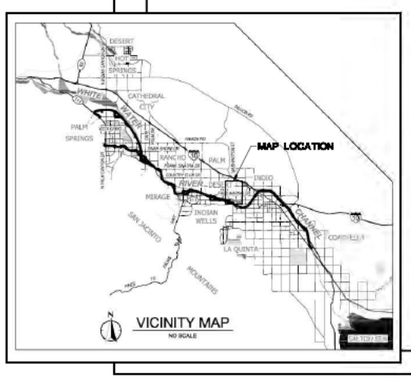
Corporate limits shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may have occurred after this map was published, map users should contact appropriate community officials to verify current corporate limit locations.

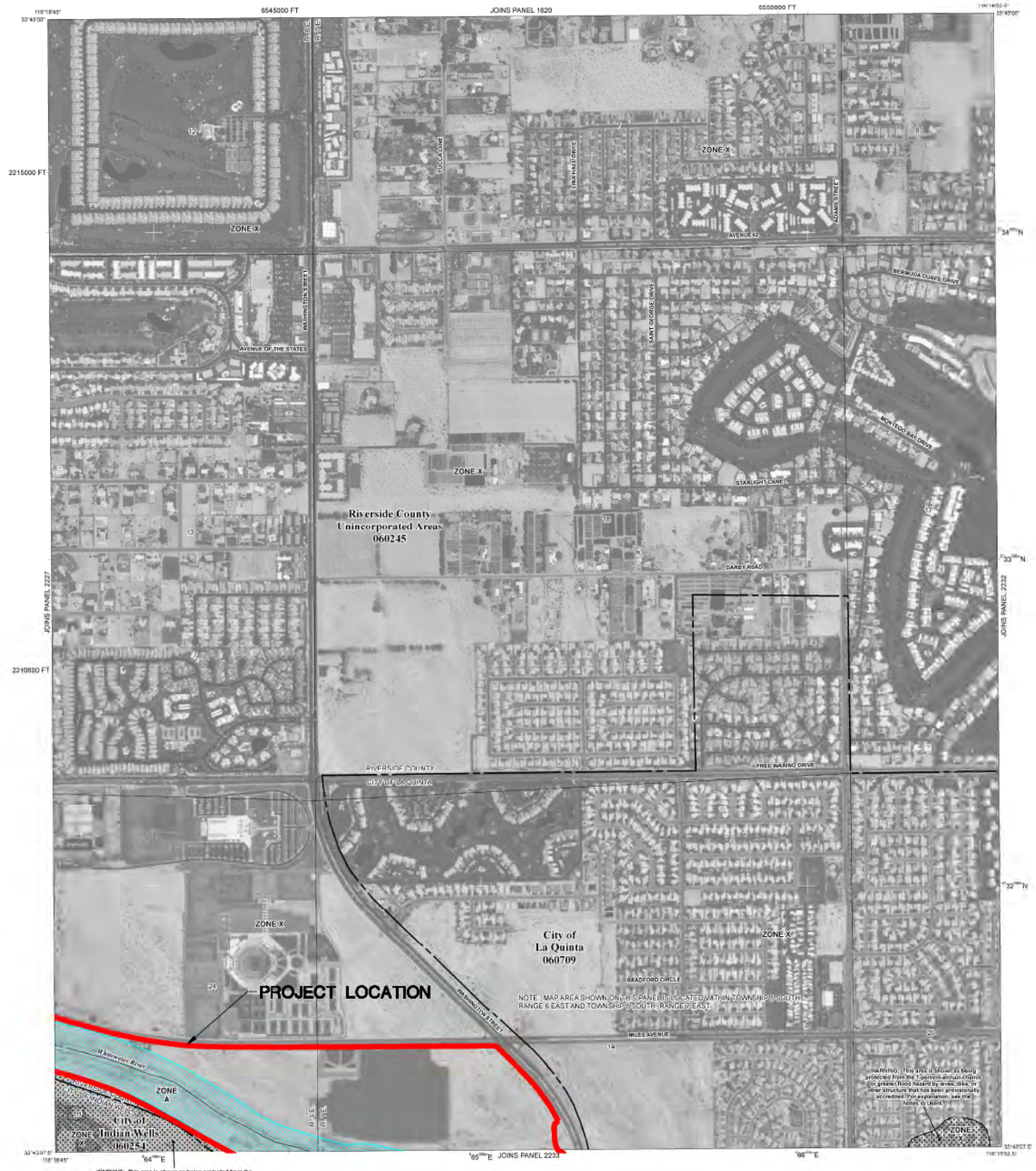
Please refer to the separately printed **Map Index** for an overview map of the county showing the layout of map panels; community map repository addresses; and a Listing of Communities table containing National Flood Insurance Program dates for each community as well as a listing of the panels on which each community is located.

Contact the **FEMA Map Service Center** at 1-800-358-9616 for information on available products associated with this FIRM. Available products may include previously issued Letters of Map Change, a Flood Insurance Study report, and/or digital versions of this map. The FEMA Map Service Center may also be reached by Fax at 1-800-358-9620 and its website at http://msc.fema.gov.

If you have **questions about this map** or questions concerning the National Flood Insurance Program in general, please call **1-877-FEMA MAP** (1-877-336-2627) or visit the FEMA website at http://www.fema.gov.

WARNING: A levee, dike, or other structure has been provisionally accredited and mapped as providing protection from the 1-percent annual chance or greater flood. The protected area is shown on the map with a warning note. To maintain accreditation, the levee owner or community is required to submit documentation necessary to comply with 44 CFR Section 65.10 by August 8, 2009. Because of the risk of overtopping or failure of the structure, communities should take proper precautions to protect lives and minimize damages in these areas, such as issuing an evacuation plan and encouraging property owners to purchase flood insurance.





LEGEND

SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equalled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

- ZONE A — No Base Flood Elevations determined.
- ZONE AE — Base Flood Elevations determined.
- ZONE AH — Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
- ZONE AO — Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
- ZONE AR — Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
- ZONE A99 — Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.
- ZONE V — Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
- ZONE VE — Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

- ZONE X — Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

- ZONE X — Areas determined to be outside the 0.2% annual chance floodplain.
- ZONE D — Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

- 1% annual chance floodplain boundary
- 0.2% annual chance floodplain boundary
- Floodway boundary
- Zone D boundary
- CBRS and OPA boundary
- Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities.
- 513 — Base Flood Elevation line and value; elevation in feet*
- (EL. 987) — Base Flood Elevation value where uniform within zone; elevation in feet*

* Referenced to the North American Vertical Datum of 1988

- A — A — Cross section line
- D — D — Transect line
- 87°07'45", 32°22'30" — Geographic coordinates referenced to the North American Datum of 1983 (NAD 83), Western Hemisphere
- 4276000mN — 1000-meter Universal Transverse Mercator grid values, zone 11N
- 600000 FT — 5000-foot grid ticks: California State Plane coordinate system, zone VI (FIPSZONE 0406), Lambert Conformal Conic projection
- DX5510 — Bench mark (see explanation in Notes to Users section of this FIRM panel)
- M1.5 — River Mile

MAP REPOSITORY
Refer to Listing of Map Repositories on Map Index

EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP
August 28, 2008

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL

For community map revision history prior to countywide mapping, refer to the Community Map History table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your Insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

MAP SCALE 1" = 500'
250 0 500 1000 FEET
150 0 150 300 METERS

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 2231G

FIRM

FLOOD INSURANCE RATE MAP

RIVERSIDE COUNTY, CALIFORNIA AND INCORPORATED AREAS

PANEL 2231 OF 3805

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
INDIAN WELLS, CITY OF	060254	2231	G
LA QUINTA, CITY OF	060709	2231	G
RIVERSIDE COUNTY	060245	2231	G

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER
06065C2231G

EFFECTIVE DATE
AUGUST 28, 2008

Federal Emergency Management Agency

Stantec
46 DISCOVERY, STE 250
IRVINE, CA 92618
(949) 474-1400 TEL
(949) 261-8482 FAX

LOCATION MAP

SCALE N.T.S.

SHEET 14 OF 22

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NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The **community map repository** should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where **Base Flood Elevations** (BFEs) and/or **floodways** have been determined, users are encouraged to consult the Flood Profiles and Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

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The **projection** used in the preparation of this map was Universal Transverse Mercator (UTM) zone 11. The **horizontal datum** was NAD 83, GRS80 spheroid. Differences in datum, spheroid, projection or UTM zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

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NOAA, N/NGS12
National Geodetic Survey
SSMC-3, #9202
1315 East-West Highway
Silver Spring, Maryland 20910-3282
(301) 713-3242

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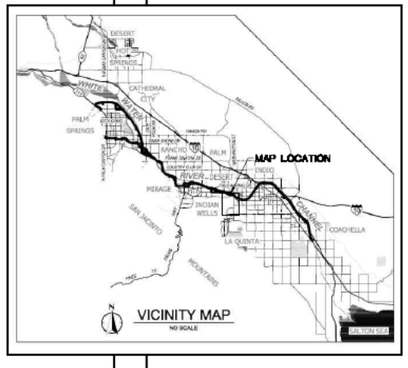
If you have **questions about this map** or questions concerning the National Flood Insurance Program in general, please call **1-877-FEMA MAP** (1-877-336-2627) or visit the FEMA website at http://www.fema.gov.

WARNING: This map contains levees, dikes, or other structures that have been provisionally accredited and mapped as providing protection from the 1-percent-annual-chance flood. To maintain accreditation, the levee owner or community is required to submit documentation necessary to comply with 44 CFR Section 65.10 by August 8, 2009. Because of the risk of overtopping or failure of the structure, communities should take proper precautions to protect lives and minimize damages in these areas, such as issuing an evacuation plan and encouraging property owners to purchase flood insurance.



Riverside County Unincorporated Areas 060245



LEGEND

SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

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- ZONE AO — Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
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- ZONE V — Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
- ZONE VE — Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

- ZONE X — Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

- ZONE X — Areas determined to be outside the 0.2% annual chance floodplain.
- ZONE D — Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

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- 1% annual chance floodplain boundary
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- 513 — Base Flood Elevation line and value; elevation in feet*
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* Referenced to the North American Vertical Datum of 1988

- A — A — Cross section line
- D — D — Transect line
- 87°07'45", 32°22'30" — Geographic coordinates referenced to the North American Datum of 1983 (NAD 83), Western Hemisphere
- 3758000 FT N — 1000-meter Universal Transverse Mercator grid values, zone 11N
- 600000 FT — 5000-foot grid ticks: California State Plane coordinate system, zone VI (FIPSZONE 0406), Lambert Conformal Conic projection
- DX5510 — Bench mark (see explanation in Notes to Users section of this FIRM panel)
- M1.5 — River Mile

MAP REPOSITORY
Refer to listing of Map Repositories on Map Index

EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP
August 28, 2008

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL

For community map revision history prior to countywide mapping, refer to the Community Map History table located in the Flood Insurance Study report for this jurisdiction.

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MAP SCALE 1" = 500'
250 0 500 1000 FEET
150 0 150 300 METERS

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 2233G

FIRM

FLOOD INSURANCE RATE MAP

RIVERSIDE COUNTY, CALIFORNIA AND INCORPORATED AREAS

PANEL 2233 OF 3805

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
INDIAN WELLS, CITY OF	060254	2233	G
LA QUINTA, CITY OF	060709	2233	G
RIVERSIDE COUNTY*	060245	2233	G

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER
06065C2233G

EFFECTIVE DATE
AUGUST 28, 2008

Federal Emergency Management Agency

Stantec
46 DISCOVERY, STE 250
IRVINE, CA 92618
(949) 474-1400 TEL
(949) 261-8482 FAX

LOCATION MAP

SCALE N.T.S.

SHEET 15 OF 22

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NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The **community map repository** should be consulted for possible updated or additional flood hazard information.

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NGS Information Services
NOAA, N/NGS12
National Geodetic Survey
SSMC-3, #9202
1315 East-West Highway
Silver Spring, Maryland 20910-3282
(301) 713-3242

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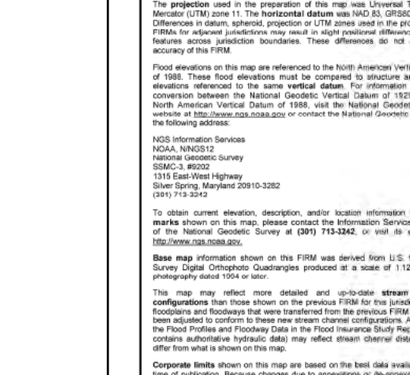

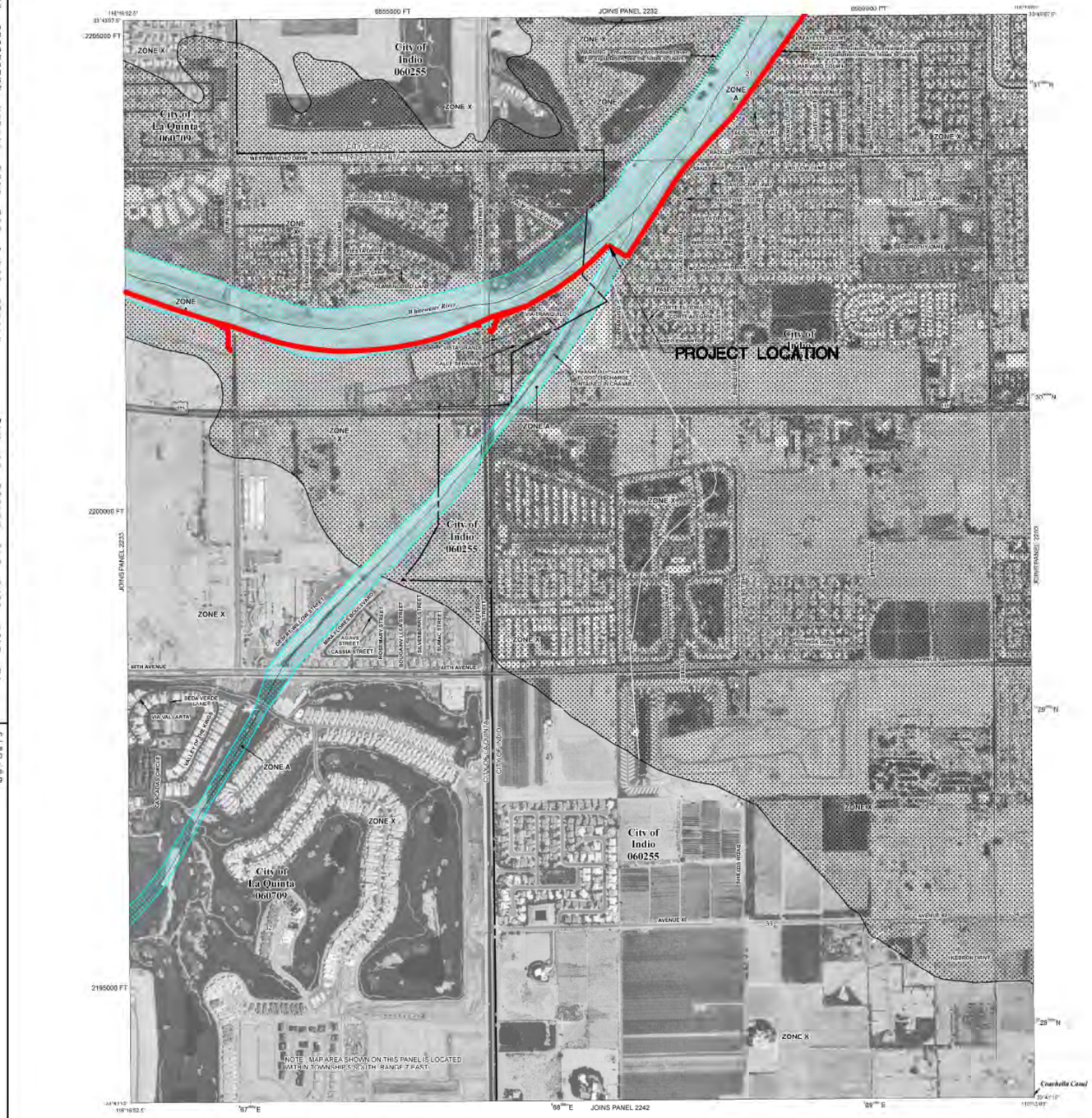
City of Indio 060255
City of La Quinta 060709
PROJECT LOCATION
ZONE X
ZONE A
ZONE AE
ZONE AH
ZONE V
JOINS PANEL 2232
JOINS PANEL 2233
JOINS PANEL 2242
JOINS PANEL 2243
8555000 FT
2205000 FT
2200000 FT
2195000 FT
33°43'07.5"
116°46'52.5"
116°45'07.5"
33°41'52.5"
31'30"N
30'00"N
28'30"N
67'30"E
68'00"E
68'30"E
Whitewater River
Coachella Canal
48TH AVENUE
AVENUE 44
AVENUE 46
WESTWARD HO DRIVE
MADISON STREET
JEFFERSON STREET
MONROE STREET
CALLE TAMPICO
CALLE ESTADO
CALLE DURANGO
CALLE SONORA
CALLE TECATE
CALLE CHIHUAHUA
CALLE GUADALAJARA
CALLE ESTRADA
CALLE TAMPICO
CALLE ESTADO
CALLE DURANGO
CALLE SONORA
CALLE TECATE
CALLE CHIHUAHUA
CALLE GUADALAJARA
CALLE ESTRADA
CALLE CORDOBA
CALLE CORTEZ
CALLE CORTEZ EL CERRITO
CALLE CORTEZ LA QUINTA
CALLE CORTEZ EL CERRITO
CALLE CORTEZ LA QUINTA
CALLE CORDOBA
CALLE CORTEZ
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CALLE CORTEZ

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NOAA, N/NGS12
National Geodetic Survey
SSMC-3, #9202
1315 East-West Highway
Silver Spring, Maryland 20910-3282
(301) 713-3242

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LEGEND

SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

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ZONE A	No Base Flood Elevations determined.
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ZONE A99	Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.
ZONE V	Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
ZONE VE	Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

ZONE X	Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

ZONE X	Areas determined to be outside the 0.2% annual chance floodplain.
ZONE D	Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

1% annual chance floodplain boundary

0.2% annual chance floodplain boundary

Floodway boundary

Zone D boundary

CBRS and OPA boundary

Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities.

513 — Base Flood Elevation line and value; elevation in feet*

(EL 987) — Base Flood Elevation value where uniform within zone; elevation in feet*

* Referenced to the North American Vertical Datum of 1988

A — A — Cross section line

23 — 23 — Transect line

87°07'45", 32°22'30" — Geographic coordinates referenced to the North American Datum of 1983 (NAD 83), Western Hemisphere

4278000 mN — 1000-meter Universal Transverse Mercator grid values, zone 11N

600000 FT — 5000-foot grid ticks: California State Plane coordinate system, zone VI (FIPSZONE 0406), Lambert Conformal Conic projection

DX5510 — Bench mark (see explanation in Notes to Users section of this FIRM panel)

M1.5 — River Mile

MAP REPOSITORY
Refer to listing of Map Repositories on Map Index

EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP
August 28, 2008

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL

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MAP SCALE 1" = 500'
250 0 500 1000 FEET
150 0 150 300 METERS

NFIP
NATIONAL FLOOD INSURANCE PROGRAM

PANEL 2232G

FIRM

FLOOD INSURANCE RATE MAP

RIVERSIDE COUNTY, CALIFORNIA AND INCORPORATED AREAS

PANEL 2232 OF 3805

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
INDIO, CITY OF	060255	2232	G
LA QUINTA, CITY OF	060709	2232	G
RIVERSIDE COUNTY	060245	2232	G

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER
06065C2232G

EFFECTIVE DATE
AUGUST 28, 2008

Federal Emergency Management Agency

Stantec
46 DISCOVERY, STE 230
IRVINE, CA 92618
(949) 474-1300 TEL
(949) 261-8882 FAX

LOCATION MAP

SCALE N.T.S.

SHEET 17 OF 22

07/28/16 04:00:17 PM V:\2065\active\206500219\Arcy\CAD\[Exhibit] EX07--Caltrans FIRMs\Segment5.dwg

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LEGEND

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August 28, 2008

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350 0 500 1000 FEET
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NFIP NATIONAL FLOOD INSURANCE PROGRAM

PANEL 2251G

FIRM

FLOOD INSURANCE RATE MAP

RIVERSIDE COUNTY, CALIFORNIA AND INCORPORATED AREAS

PANEL 2251 OF 3805

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
INDIO, CITY OF	060255	2251	G

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MAP NUMBER
06065C2251G

EFFECTIVE DATE
AUGUST 28, 2008

Federal Emergency Management Agency

Stantec
46 DISCOVERY, STE 230
IRVINE, CA 92618
(949) 474-1400 TEL
(949) 261-8882 FAX

LOCATION MAP

SCALE N.T.S.
SHEET 18 OF 22

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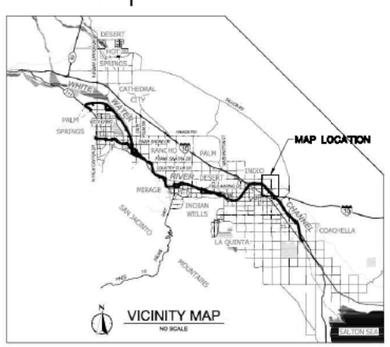

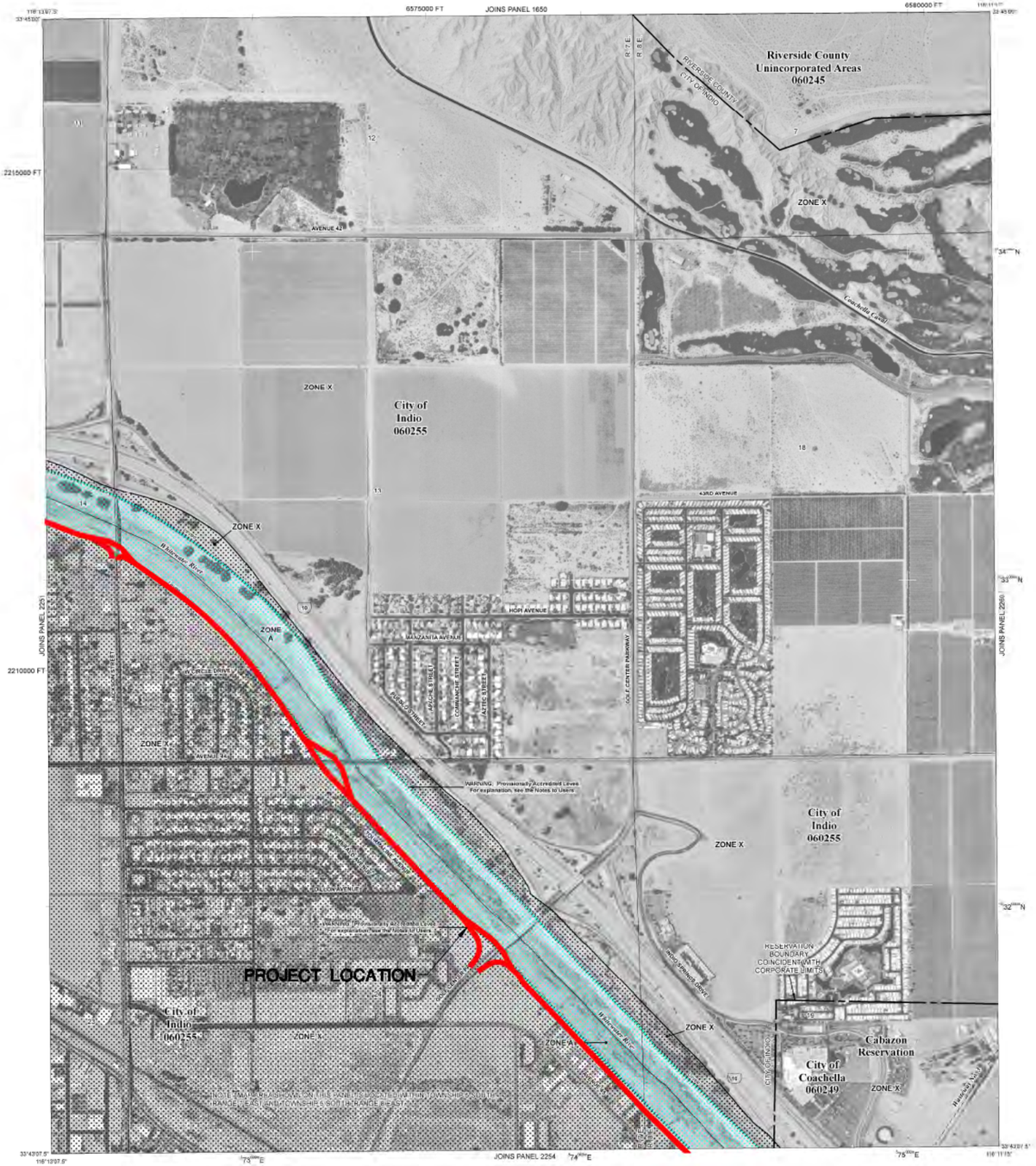

LEGEND

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- ZONE AO: Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
- ZONE AR: Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
- ZONE A99: Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.
- ZONE V: Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
- ZONE VE: Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

- ZONE X: Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

- ZONE X: Areas determined to be outside the 0.2% annual chance floodplain.
- ZONE D: Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

- 1% annual chance floodplain boundary
- 0.2% annual chance floodplain boundary
- Floodway boundary
- Zone D boundary
- CBRS and OPA boundary
- Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities.
- 513 — Base Flood Elevation line and value; elevation in feet*
- (EL. 987) — Base Flood Elevation value where uniform within zone; elevation in feet*

* Referenced to the North American Vertical Datum of 1988

- A — A — Cross section line
- 23 — 23 — Transect line
- 87°07'45", 32°22'30" — Geographic coordinates referenced to the North American Datum of 1983 (NAD 83), Western Hemisphere
- 3759000mN — 1000-meter Universal Transverse Mercator grid values, zone 11N
- 600000 FT — 5000-foot grid ticks: California State Plane coordinate system, zone VI (FIPSZONE 0406), Lambert Conformal Conic projection
- DX5510 × — Bench mark (see explanation in Notes to Users section of this FIRM panel)
- M1.5 — River Mile

MAP REPOSITORY
Refer to listing of Map Repositories on Map Index

EFFECTIVE DATE OF COUNTYWIDE
FLOOD INSURANCE RATE MAP
August 28, 2008

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL

For community map revision history prior to countywide mapping, refer to the Community Map History table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your Insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

MAP SCALE 1" = 600'

250 0 500 1000 FEET

150 0 150 300 METERS

NFIP NATIONAL FLOOD INSURANCE PROGRAM

PANEL 2252G

FIRM

FLOOD INSURANCE RATE MAP

RIVERSIDE COUNTY, CALIFORNIA AND INCORPORATED AREAS

PANEL 2252 OF 3805

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
INDIO, CITY OF	060250	2252	G
RIVERSIDE COUNTY	060245	2252	G

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER
06065C2252G

EFFECTIVE DATE
AUGUST 28, 2008

Federal Emergency Management Agency

Stantec
46 DISCOVERY, STE 250
IRVINE, CA 92618
(949) 474-1400 TEL
(949) 261-8482 FAX

LOCATION MAP

SCALE N.T.S.

SHEET 19 OF 22

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NOTES TO USERS

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Boundaries of the **floodways** were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

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National Geodetic Survey
SSMC-3, #9202
1315 East-West Highway
Silver Spring, Maryland 20910-3282
(301) 713-3242

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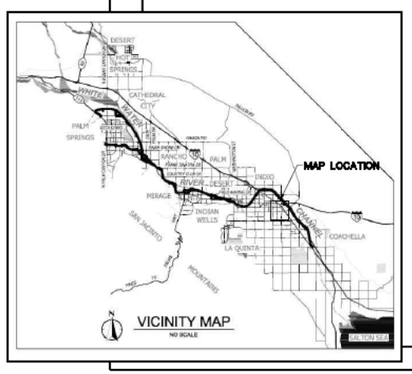

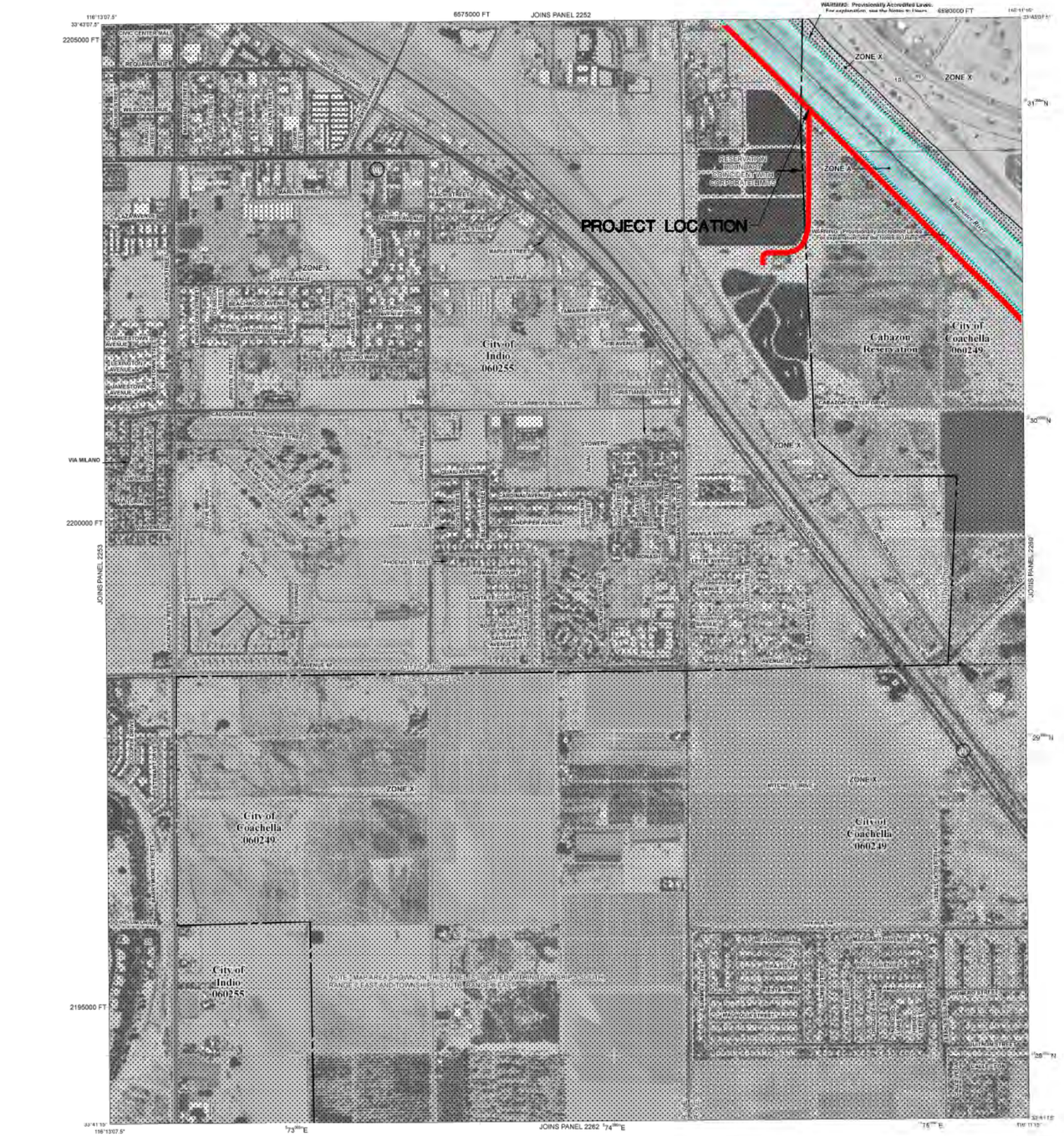
JOINS PANEL 2252
JOINS PANEL 2253
JOINS PANEL 2262
JOINS PANEL 2261
6575000 FT
2205000 FT
2200000 FT
2195000 FT
689000 FT
116°13'07.5"
33°43'07.5"
PROJECT LOCATION
ZONE X
ZONE A
City of Indio 060255
City of Coachella 060249
Cabazon Reservation
RESERVATION BOUNDARY
COACHELLA CANAL
WHITEWATER RIVER
WARNING: Provisionally Accredited Levee. For explanation, see the Notes to Users.
CIVIC CENTER MALL
REQUA AVENUE
WILSON AVENUE
MARILYN STREET
PLAZA AVENUE
TAMUS AVENUE
OAK STREET
MAPLE STREET
DATE AVENUE
BLANCHARD AVENUE
STONE CANYON AVENUE
VECINO WAY
CHARLESTON AVENUE
LEXINGTON AVENUE
JAMESTOWN AVENUE
TAMARISK AVENUE
FIR AVENUE
DOCTOR CARRION BOULEVARD
CHRISTIANSEN STREET
CABAZON CENTER DRIVE
CALLE CONDOR
CALLE CONSUL
CALLE CONSTANTINO
CALLE CONSUELO
CALLE CONTENTO
CALLE CONTRERAS
CALLE CORDOBA
CALLE CORONEL
CALLE CORRIENTE
CALLE CORTEZ
CALLE CORTINA
CALLE CORVINA
CALLE CORZO
CALLE COSTA
CALLE COSTANERA
CALLE COSTERO
CALLE COTA
CALLE COTO
CALLE COTORRO
CALLE COTTONWOOD
CALLE COUGAR
CALLE COYOTE
CALLE CRESTA
CALLE CRISTOBAL
CALLE CRUZ
CALLE CUERVO
CALLE CUESTA
CALLE CUMBRE
CALLE CUYAMACA
CALLE CYPRESS
CALLE DAMA
CALLE DAMASCO
CALLE DANTE
CALLE DAVILA
CALLE DE ANZA
CALLE DE ARBOLES
CALLE DE ARCOS
CALLE DE ARMAS
CALLE DE ARTE
CALLE DE ARTESANO
CALLE DE ARTESANOS
CALLE DE ARTISTA
CALLE DE ARTISTAS
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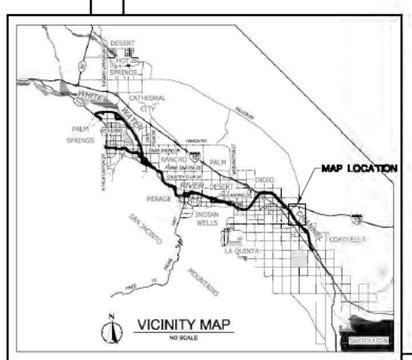

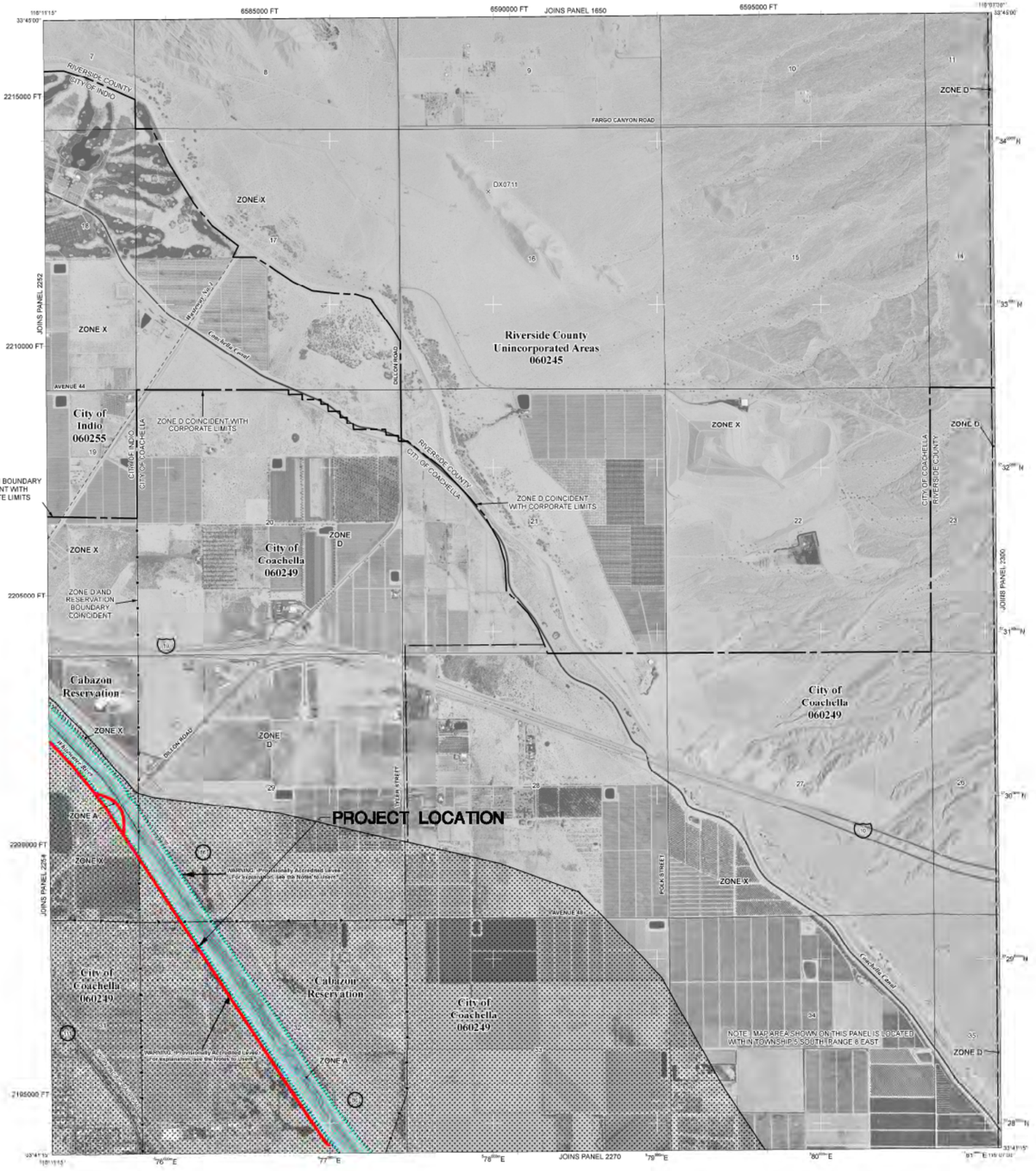

LEGEND

SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

- ZONE A — No Base Flood Elevations determined.
- ZONE AE — Base Flood Elevations determined.
- ZONE AH — Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
- ZONE AO — Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
- ZONE AR — Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
- ZONE A99 — Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.
- ZONE V — Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
- ZONE VE — Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

- ZONE X — Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

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COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

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- 1% annual chance floodplain boundary
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- Zone D boundary
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MAP REPOSITORY
Refer to listing of Map Repositories on Map Index

EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP
August 28, 2008

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL

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MAP SCALE 1" = 1000'
500 0 1000 2000 FEET
300 0 300 600 METERS

NFIP
NATIONAL FLOOD INSURANCE PROGRAM

PANEL 2260G

FIRM
FLOOD INSURANCE RATE MAP

RIVERSIDE COUNTY, CALIFORNIA
AND INCORPORATED AREAS

PANEL 2260 OF 3805
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
COACHELLA, CITY OF	060249	2260	G
INDIO, CITY OF	060255	2260	G
RIVERSIDE COUNTY	060245	2260	G

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER
06065C2260G

EFFECTIVE DATE
AUGUST 28, 2008

Federal Emergency Management Agency

Stantec
46 DISCOVERY, STE 230
IRVINE, CA 92618
(949) 474-1400 TEL
(949) 261-8482 FAX

LOCATION MAP

SCALE N.T.S.

SHEET 21 OF 22

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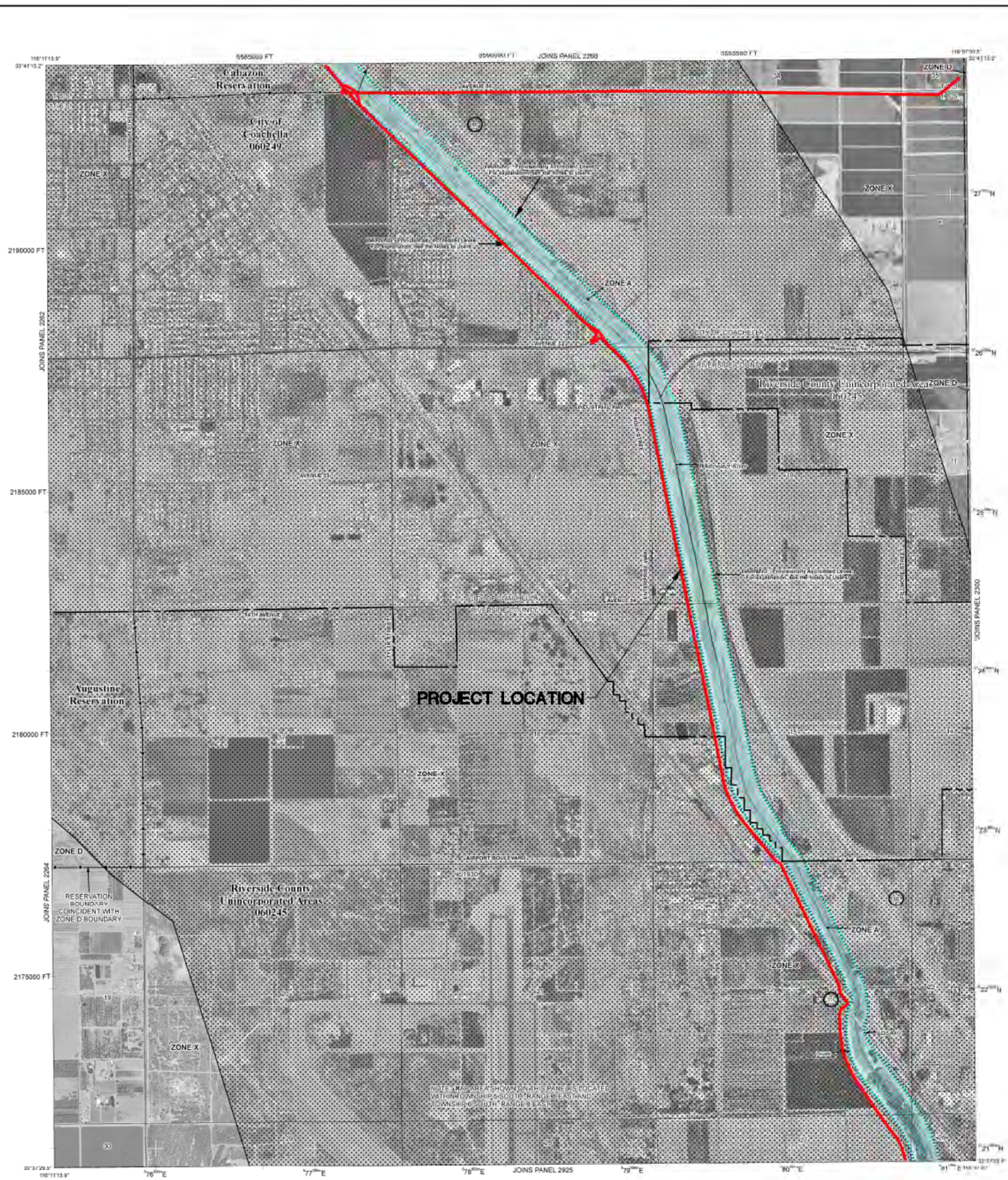

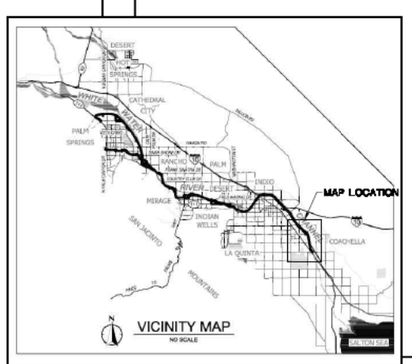

LEGEND

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- ZONE AE — Base Flood Elevations determined.
- ZONE AH — Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
- ZONE AO — Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
- ZONE AR — Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
- ZONE A99 — Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.
- ZONE V — Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
- ZONE VE — Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

- ZONE X — Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

- ZONE X — Areas determined to be outside the 0.2% annual chance floodplain.
- ZONE D — Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

- 1% annual chance floodplain boundary
- 0.2% annual chance floodplain boundary
- Floodway boundary
- Zone D boundary
- CBRS and OPA boundary
- Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities.
- 513 — Base Flood Elevation line and value; elevation in feet*
- (EL 987) — Base Flood Elevation value where uniform within zone; elevation in feet*

* Referenced to the North American Vertical Datum of 1988

- 97°07'45", 32°22'30" — Geographic coordinates referenced to the North American Datum of 1983 (NAD 83), Western Hemisphere
- 3759000 mN — 1000-meter Universal Transverse Mercator grid values, zone 11S
- 600000 FT — 5000-foot grid ticks: California State Plane coordinate system, zone VI (FIPSZONE 0406), Lambert Conformal Conic projection
- DX5510 — Bench mark (see explanation in Notes to Users section of this FIRM panel)
- River Mile

MAP REPOSITORY
Refer to listing of Map Repositories on Map Index

EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP
August 28, 2008

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL

For communities/areas revised prior to countywide mapping, refer to the Community Map History table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your Insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

MAP SCALE 1" = 1000'
500 0 1000 2000 FEET
150 0 300 600 METERS

NFIP

PANEL 2270G

FIRM

FLOOD INSURANCE RATE MAP

RIVERSIDE COUNTY, CALIFORNIA AND INCORPORATED AREAS

PANEL 2270 OF 3805

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
COACHELLA, CITY OF	060249	2270	G
RIVERSIDE COUNTY	060245	2270	G

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER
06065C2270G

EFFECTIVE DATE
AUGUST 28, 2008

Federal Emergency Management Agency

NATIONAL FLOOD INSURANCE PROGRAM

Stantec
46 DISCOVERY, STE 230
IRVINE, CA 92618
(949) 474-1400 TEL
(949) 261-8482 FAX

LOCATION MAP

SCALE N.T.S.

SHEET 22 OF 22

07/28/16 04:01:56 PM V:\2065\active\206500021\Eng\CAD\Exhibits\EX0677--Cahuzon FEMA\Segment1.dwg

Appendix G. FTIP and RTP

CV Link

Draft Environmental Assessment

December 2017

FINAL

2017 FEDERAL TRANSPORTATION IMPROVEMENT PROGRAM



PROJECT LISTING

VOLUME III OF III

PART A

FY 2016/17 - 2021/22
September 2016

SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

Final 2017 Federal Transportation Improvement Program

Riverside County Project Listing
Local Highway
(In $000`s)

ProjectID	County	Air Basin	Model	RTP ID	Program	Route	Begin	End	System	Conformity Category	Amendment
RIV110501	Riverside	SSAB		3A07028	CAXT2				L	NON-EXEMPT	0
Description:							PTC	5,791	Agency	CATHEDRAL CITY	

IN EASTERN RIVERSIDE COUNTY IN THE COACHELLA VALLEY - DATE PALM DR WIDENING FROM I-10 TO VARNER RD.: WIDENING OF DATE PALM DR. FROM 2 TO 6 LNS (3 LNS IN EA DIR) FROM I-10 TO VARNER RD INCLUDING A BOX CULVERT SPANNING THE LONG CANYON WASH. OTHER IMPROVEMENTS INCLUDE ADDITIONAL TURNING LANES AT INTERSECTION OF DATE PALM DR. & VARNER RD., TRAFFIC SIGNALIZATION, SIDEWALKS, MEDIANS AND BIKE LANES.

Fund	ENG	R/W	CON	Total	Prior	2016/2017	2017/2018	2018/2019	2019/2020	2020/2021	2021/2022	Total
CITY FUNDS	462		986	1,448			462		986			1,448
EASTERN RIV TUMF	1,385		2,958	4,343			1,385		2,958			4,343
RIV110501 Total	1,847		3,944	5,791			1,847		3,944			5,791

ProjectID	County	Air Basin	Model	RTP ID	Program	Route	Begin	End	System	Conformity Category	Amendment
RIV110825	Riverside	SSAB		RIV110825	CAX60				L	NON-EXEMPT	0
Description:							PTC	29,915	Agency	COACHELLA	

IN THE CITY OF COACHELLA - AVE 50 OVER COACHELLA STORMWATER CHANNEL: REPLACEMENT OF A 2-LN LOW WATER X-ING (BRIDGE NO. 00L0055) WITH A 6-LN (3-LNS IN EA DIR) BRIDGE FROM 300-FT W/O APACHE TRAIL TO SR-86S INTERSECTION. OTHER IMPROVEMENTS INCLUDE BIKE LANES/TRAILS, SIDEWALKS, RECONSTRUCT TRAFFIC SIGNAL/DRIVEWAYS, CHANNEL SCOUR PROTECTION, AND REMOVAL OF LOW WATER X-ING AND CULVERTS.

Fund	ENG	R/W	CON	Total	Prior	2016/2017	2017/2018	2018/2019	2019/2020	2020/2021	2021/2022	Total
CITY FUNDS	309	229	2,892	3,430	103	206				229	2,892	3,430
BRIDGE - LOCAL	2,392	1,771	22,322	26,485	798	1,594				1,771	22,322	26,485
RIV110825 Total	2,701	2,000	25,214	29,915	901	1,800				2,000	25,214	29,915

ProjectID	County	Air Basin	Model	RTP ID	Program	Route	Begin	End	System	Conformity Category	Amendment
RIV140816	Riverside	SSAB		3NL04	NCN26				L	EXEMPT - 93.126	0
Description:							PTC	520	Agency	COACHELLA	

IN EASTERN RIVERSIDE COUNTY FOR THE CITY OF COACHELLA - INSTALL 8.2 MILES OF CLASS II BIKE LANES ON CITY ARTERIALS TO FACILITATE RESIDENTIAL TO COMMERCIAL CONNECTIVITY ($52.76 OF TC TO MATCH CMAQ IN FY 16/17)(PM 2.5 BENEFITS .816 KG/DAY)

Fund	ENG	R/W	CON	Total	Prior	2016/2017	2017/2018	2018/2019	2019/2020	2020/2021	2021/2022	Total
CMAQ			460	460		460						460
CITY FUNDS	60			60	60							60
RIV140816 Total	60		460	520	60	460						520

ProjectID	County	Air Basin	Model	RTP ID	Program	Route	Begin	End	System	Conformity Category	Amendment
RIV140842	Riverside	SSAB		7120004	NCN25				L	EXEMPT - 93.126	0
Description:							PTC	1,764	Agency	COACHELLA	

IN EASTERN RIVERSIDE COUNTY FOR THE CITY OF COACHELLA - ATP IMPOVEMENTS CYCLE 1: ADD 7 MI. OF CLASS II BIKE LANES & CLASS III BIKEWAYS W/SHARROWS, APSHALT BIKE PATH, PED XING, & CONSTRUCTION OF 2 MI. OF SIDEWALKS AT DIFFERENT LOCATIONS & LANDSCAPED MEDIANS ALONG AVE 50 & AVE 52 FROM WESTERN CITY LIMITS TO CV LINK. TC USED TO MATCH ATP

Fund	ENG	R/W	CON	Total	Prior	2016/2017	2017/2018	2018/2019	2019/2020	2020/2021	2021/2022	Total
ACTIVE TRANSPORTATION PROGRAM - MPO	100		1,664	1,764	100	1,664						1,764
RIV140842 Total	100		1,664	1,764	100	1,664						1,764

TRANSPORTATION SYSTEM

PROJECT LIST

SOUTHERN CALIFORNIA ASSOCIATION OF GOVERNMENTS

2016 2040 RTPSCS

APPENDIX

ADOPTED | APRIL 2016

TABLE 1 FTIP Projects - Continued

County	System	FTIP ID	Route #	Description	Project Cost ($1,000's)
RIVERSIDE	LOCAL HIGHWAY	RIV110501	0	IN EASTERN RIVERSIDE COUNTY IN THE COACHELLA VALLEY - DATE PALM DR WIDENING FROM I-10 TO VARNER RD.: WIDENING OF DATE PALM DR. FROM 2 TO 6 LNS (3 LNS IN EA DIR) FROM I-10 TO VARNER RD INCLUDING A BOX CULVERT SPANNING THE LONG CANYON WASH. OTHER IMPROVEMENTS INCLUDE ADDITIONAL TURNING LANES AT INTERSECTION OF DATE PALM DR. & VARNER RD., TRAFFIC SIGNALIZATION, SIDEWALKS, MEDIANS AND BIKE LANES.	$5,791
RIVERSIDE	LOCAL HIGHWAY	RIV140845	0	N WESTERN RIVERSIDE CO. FOR THE CITY OF EASTVALE-SRTS AT MULTIPLE SCHOOLS-SIGNALIZED XING & RADAR SPEED DISPLAY: INSTALL A TRAFFIC SIGNAL, RADAR SPEED DISPLAY, CURB & GUTTER, ASPHALT CONCRETE, SIGNS, CROSSWALKS, STRIPING & 10,200 L.F. OF BIKE LANES NEAR EASTVALE, ROSA PARKS, & HARADA ELEM SCHOOLS, RIVER HEIGHTS & RAMIREZ MID SCHOOLS & ROOSEVELT HIGH SCHOOL.	$479
RIVERSIDE	LOCAL HIGHWAY	RIV151201	0	IN WESTERN RIVERSIDE COUNTY IN THE CITY OF EASTVALE - TRAFFIC SYCHRONIZATION OF SIX TRAFFIC SIGNALIZED INTERSECTIONS ALONG HAMNER AVENUE FROM SCHLEISMAN ROAD TO EASTVALE GATEWAY	$384
RIVERSIDE	LOCAL HIGHWAY	RIV071246	0	IN CITY OF COACHELLA – CONSTRUCT NEW (NON-CAPACITY) AVE 52 GRADE SEPARATION OVERHEAD STRUCTURE SPANNING OVER UPRR MAINLINE TRACKS AND GRAPEFRUIT BLVD/HWY 111, FROM SHADY LN TO APPROX 600 FT. E/O INDUSTRIAL WAY/TYLER ST. IMPROVEMENTS INCL: RECONFIG CONNECTION FROM AVE 52 TO GRAPEFRUIT BLVD/HWY 111, BIKE LNS, SIDEWALKS, RETAINING WALLS, RECONST TRAFFIC SIGS/DRIVEWAYS, REMOVE EXISTING AT-GRADE CR	$29,866
RIVERSIDE	LOCAL HIGHWAY	RIV110825	0	IN THE CITY OF COACHELLA - AVE 50 OVER COACHELLA STORMWATER CHANNEL: REPLACEMENT OF A 2-LN LOW WATER X-ING (BRIDGE NO. 00L0055) WITH A 6-LN (3-LNS IN EA DIR) BRIDGE FROM 300-FT W/O APACHE TRAIL TO SR-86S INTERSECTION. OTHER IMPROVEMENTS INCLUDE BIKE LANES/TRAILS, SIDEWALKS, RECONSTRUCT TRAFFIC SIGNAL/DRIVEWAYS, CHANNEL SCOUR PROTECTION, AND REMOVAL OF LOW WATER X-ING AND CULVERTS.	$29,915
RIVERSIDE	LOCAL HIGHWAY	RIV140816	0	IN EASTERN RIVERSIDE COUNTY FOR THE CITY OF COACHELLA - INSTALL 8.2 MILES OF CLASS II BIKE LANES ON CITY ARTERIALS TO FACILITATE RESIDENTIAL TO COMMERCIAL CONNECTIVITY ($52.76 OF TC TO MATCH CMAQ IN FY 15/16)(PM 2.5 BENEFITS .816 KG/DAY)	$520
RIVERSIDE	LOCAL HIGHWAY	RIV140842	0	IN EASTERN RIVERSIDE COUNTY FOR THE CITY OF COACHELLA - ATP IMPOVEMENTS CYCLE 1: ADD 7 MI. OF CLASS II BIKE LANES & CLASS III BIKEWAYS W/ SHARROWS, APSHALT BIKE PATH, PED XING, & CONSTRUCTION OF 2 MI. OF SIDEWALKS AT DIFFERENT LOCATIONS & LANDSCAPED MEDIANS ALONG AVE 50 & AVE 52 FROM WESTERN CITY LIMITS TO CV LINK. TC USED TO MATCH ATP	$1,764
RIVERSIDE	LOCAL HIGHWAY	RIV151217	0	IN EASTERN RIVERSIDE COUNTY IN THE CITY OF COACHELLA - WIDENING OF AVENUE 48 FROM 2 TO 6 LANES (1 LN EA DIR TO 3 LNS EA DIR) FROM JACKSON RD TO VAN BUREN ST INCLUDING TRAFFIC SIGNAL MODIFICATIONS, STREET LIGHTING, DRAINAGE IMPROVEMENTS INCLUDING SIDEWALK AND BICYCLE LANES AND LANDSCAPING	$3,600
RIVERSIDE	LOCAL HIGHWAY	RIV131005	0	IN EASTERN RIVERSIDE COUNTY FOR CVAG: CONSTRUCT IN PHASES A NEW 50 MILE BICYCLE, PEDESTRIAN AND LOW SPEED ELECTRICAL VEHICLE PATH FROM CITY OF DESERT HOT SPRINGS TO THE SALTON SEA ROUGHLY ALONG WHITEWATER RIVER. PH I WILL CONSTRUCT LINK FROM PALM SPRINGS TO COACHELLA. FUTURE PHASES WILL CONSTRUCT LINK FROM DESERT HOT SPRINGS TO PALM SPRINGS AND COACHELLA TO THE SALTON SEA.	$99,359
RIVERSIDE	LOCAL HIGHWAY	RIV140820	0	IN EASTERN RIVERSIDE COUNTY FOR CVAG: REGIONAL SIGNAL SYCHRONIZATION PROGRAM THROUGH THE COACHELLA VALLEY INCLUDING BUT NOT LIMITED TO SIGNAL UPGRADES, COMMUNICATION SYSTEMS, HARDWARE AND SOFTWARE.	$10,828
RIVERSIDE	LOCAL HIGHWAY	RIV010209	0	IN THE CITY OF CORONA - CONSTRUCT FOOTHILL PARKWAY WESTERLY EXTENSION 4 LANE ROAD FROM LINCOLN AVE TO PASEO GRANDE (APPROX 2.5 MILES)	$67,481
RIVERSIDE	LOCAL HIGHWAY	RIV011240	0	IN CORONA ON EXISTING MCKINLEY ST - CONSTRUCT GRADE SEPARATION AT BNSF RAILROAD CROSSING (PROJECT STUDY REPORT & PRELIMINARY ENVIRONMENTAL ANALYSIS REPORT ACTIVITIES)	$3,800
RIVERSIDE	LOCAL HIGHWAY	RIV011241	0	IN CORONA ON AUTO CENTER DRIVE - CONSTRUCT 4 LANE OVERCROSSING (GRADE SEPARATION) OVER EXISTING BNSF TRACKS ($1,240 TOLL CREDITS IN CONST TO MATCH PNRS).	$32,675
RIVERSIDE	LOCAL HIGHWAY	RIV091001	0	IN THE COACHELLA VALLEY IN THE CITY OF DESERT HOT SPRINGS - INDIAN AVE WIDENING: WIDENING OF INDIAN AVE FROM 2 TO 6 THROUGH LANES (3 IN EA DIR), BETWEEN HWY 62 AND MISSION LAKES BLVD., INCLUDING THE CONSTRUCTION OF AN ALL WEATHER BRIDGE OVER MISSION CREEK (PA&ED).	$44,000
RIVERSIDE	LOCAL HIGHWAY	RIV130101	0	REHABILITATE APPROXIMATELY 0.5 MILES OF THE PACIFIC COAST TRAIL - FULLERS RIDGE TRAIL BETWEEN SEVEN PINES TRAIL AND DEER SPRINGS TRAIL IN MOUNT SAN JACINTO STATE PARK. CONSTRUCTION ACTIVITES INCLUDE BRUSHING AND CLEARING, SWITCHBACKS, ARMORING, ROCK RETAINING WALLS, DRAINAGE LENSES, AND TRAIL CONSTRUCTION AND REHABILITATION (PART OF MAP-21 BILL)	$385
RIVERSIDE	LOCAL HIGHWAY	RIV141202	0	IN WESTERN RIVERSIDE COUNTY FOR THE CITY OF HEMET - GROUPED PROJECTS FOR BICYCLE AND PEDESTRIAN FACILITIES - NON - MOTORIZED: PROJECTS ARE CONSISTENT WITH 40 CFR PART 93.126 EXEMPT TABLES 2 AND TABLE 3 CATEGORIES - BICYCLE AND PEDESTRIAN FACILITIES (BOTH MOTORIZED AND NON-MOTORIZED)	$3,936

Appendix H. SHPO and THPO Correspondence

CV Link

Draft Environmental Assessment

December 2017

TWENTY-NINE PALMS BAND OF MISSION INDIANS

46-200 Harrison Place . Coachella, California . 92236 . Ph. 760.863.2444 . Fax: 760.863.2449

September 6, 2017

CERTIFIED MAIL # 7016 0910 0001 7391 8391
RETURN RECEIPT REQUESTED

Jody L. Brown, Office Chief
Cultural Studies Office
Department of Transportation
P.O. Box 942874, MS 27
Sacramento, CA 94273-0001

RE: Historic Property Survey Report and Finding of No Adverse Effect for the Coachella Valley Association of Governments (CVAG) CV Link Project, Riverside County

Dear Ms. Brown,

This letter is in regards to consultation in compliance with Section 106 of the NHPA (36 CFR 800) for the Historic Property Survey Report and Finding of No Adverse Effect for the Coachella Valley Association of Governments (CVAG) CV Link Project. The THPO sent a letter, dated August 24, 2017, that noted two sites, located in the Twenty-Nine Palms Band of Mission Indians Reservation, that may have an adverse effect on cultural resources. These sites, CA-RIV-149 and AE-29P-1, are located on tribal land and may be considered a significant cultural resource per Criterion (d) of CRF 60.4. Avoidance of these sites is recommended during any ground disturbing development activities. The CV Link Area of Potential, Effects Mapbook indicates that an Environmentally Sensitive Area (ESA) be set up in the site next to CA-RIV-149. With correspondence with Caltrans, a map was developed to set up an ESA to protect AE-29P-1 (Attachment 1, 2, and 3). Tribal Monitors, from the Twenty-Nine Palms Band of Mission Indians, are required for any ground disturbance on the Reservation. Additionally, the Geo-Technical boring location is adjacent to one of these cultural resources. It is preferred that the Geo-technical boring location be moved 500 feet northwest of its original location or off the Tribe's Reservation. Tribal monitors, from the Twenty-Nine Palms Band of Mission Indians, are required during the ground disturbance for the boring.

The sites that are considered eligible for the NRHP for this specific undertaking are proposed to be protected by the establishment of ESAs. With the implementation of an additional ESA to be set up to protect AE-29P-1 and Tribal Monitoring conducted in all ESAs, the THPO concurs that there is limited potential for effects for this undertaking. Caltrans is requesting SHPO and THPO concurrence on the following pursuant to 36 CFR 800.4 (a-c):

1. The adequacy of the delineation of the APE

   Due to the limited area and the majority of the work taking place on previously

disturbed soils or developed properties the THPO **concurs** with the adequacy of the delineation of the APE.

2. The adequacy of identification of potential historic properties located within the undertaking's APE

   While the Cultural Report indicated potential historic proprieties located in the undertaking's APE there were two locations on the Tribe's Reservation that were not identified. The THPO requests that AE-29P-1 be avoided by establishing an ESA. To further protect this resource, the THPO requests that the Geo-Technical Boring, located on the Tribe's Reservation (HS 28), avoid the proposed ESA location for AE-29P-1 and that Tribal Monitors be present during ground disturbance for this location. Additionally, there are areas within the Cabazon Reservation that were not identified. While the Tribe defers to the Cabazon Band of Mission Indians for actions taking place on their reservation, the THPO can coordinate Tribal Monitors from the Twenty-Nine Palms Band of Mission Indians to assist in monitoring the known and unknown cultural sites on Cabazon's reservation. With the implementation of these recommendations, the THPO **concurs** with the identification of potential historic resources located within the undertaking APE. However, there is an increased possibility of encountering buried cultural resources during the construction process that make take place in the undertaking, especially in the ESAs. The Tribe requests that approved Native American Monitor(s) be present during any ground disturbing activities that take place within these ESA's

3. The adequacy of evaluation of potential historic properties for eligibility to the National Register of Historic Places (NRHP)

   Caltrans identified one (1) property that is previously listed on the NRHP, two (2) cultural resources that appear eligible for the NRHP and eight (8) archaeological sites that are considered eligible for the NRHP for this undertaking only. These areas are to be avoidance by the formulation of ESA's in these zones. The THPO requests that AE-29P-1, be avoided as it may be considered a significant cultural resource per Criterion (d) of 36 CFR 60.4. With the implementation of this ESA, the THPO **concurs** that the evaluation of potential historic proprieties for eligibility to the NRHP is adequate.

4. The adequacy of Caltrans' proposed finding of No Adverse Effect for the Undertaking

   With the implementation of recommendations the THPO **concurs** with the adequacy of Caltrans' proposed finding of No Adverse Effect for the Undertaking.

The Tribe and THPO look forward to continue working with Caltrans on this undertaking. If you have any questions, please do not hesitate to contact the Tribal Historic Preservation Office at (760) 775-3259 or by email: TNPConsultation@29palmsbomi-nsn.gov.

Sincerely,

Anthony Madrigal, Jr.
Tribal Historic Preservation Officer

cc: Darrell Mike, Twenty-Nine Palms Tribal Chairman
Sarah Bliss, Twenty-Nine Palms Tribal Cultural Specialist

TWENTY-NINE PALMS BAND OF MISSION INDIANS

46-200 Harrison Place . Coachella, California . 92236 . Ph. 760.863.2444 . Fax: 760.863.2449

September 19, 2017

CERTIFIED MAIL # 7016 2140 0000 0364 8538
RETURN RECEIPT REQUESTED

Jody L. Brown, Office Chief
Cultural Studies Office
Department of Transportation
P.O. Box 942874, MS 27
Sacramento, CA 94273-0001

RE: Historic Property Survey Report and Finding of No Adverse Effect for the Coachella Valley Association of Governments (CVAG) CV Link Project, Riverside County

Dear Ms. Brown,

This letter is in regards to consultation in compliance with Section 106 of the NHPA (36 CFR 800) for the Historic Property Survey Report and Finding of No Adverse Effect for the Coachella Valley Association of Governments (CVAG) CV Link Project. The THPO sent letters, dated August 24, 2017, and September 6, 2017, that there are two sites located on the Twenty-Nine Palms Band of Mission Indians Reservation that may be adversely affected by the proposed project. These sites, CA-RIV-149 and AE-29P-1, are located on tribal land and may be considered a significant cultural resource per Criterion (d) of CRF 60.4. Avoidance of these sites is recommended during any ground disturbing development activities. With consultation with Caltrans and the Coachella Valley Association of Governments, the THPO commented on the CV Link Area of Potential Effects Mapbook which indicates Environmentally Sensitive Areas (ESA). The THPO concurs with the updated ESA, which reflects an expanded ESA fencing that includes AE-29P-1.

In our aforementioned letters sent to Caltrans, the THPO was concerned with a possibility of a new a Geo-Technical Boring location. The Geo-Technical Boring Location listed on Map Page 61 has already been created. This was confirmed by the Tribe's EPA Department. For this reason, the THPO does not have any further concerns for this Geo-Technical Boring Location. However, if any new Geo-Technical Boring locations are proposed on the Reservation the THPO requests to be informed and give further recommendation. The THPO also recommended a new staging area, located on a concrete pad on the Tribe's Reservation. The THPO concurs with the new staging area and expanded ESA for this location. Before setting up the staging area, the lead agency will have to receive authorization from the Tribal Chairman and Tribal Council before construction. The THPO will assist in coordinating this approval.

In our previous letter, the THPO commented on the Finding of No Adverse Effect for the CVAG CV Link Project. Due to the limited area and the majority of the work taking place on previously

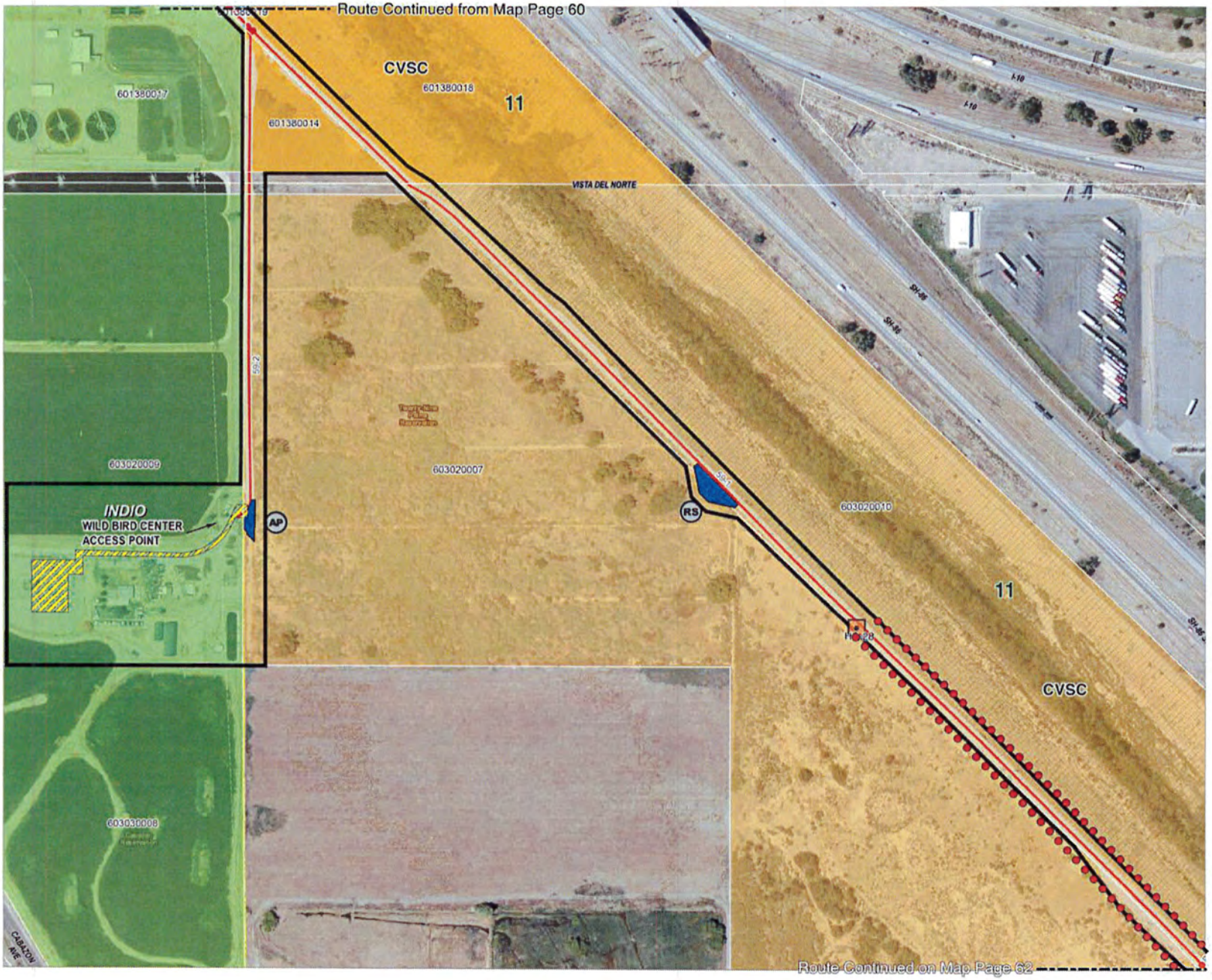
disturbed soils or developed properties the THPO concurs with the adequacy of the delineation of the APE. In concern to the adequacy of identification of potential historic properties located within the undertaking's APE, the THPO noted that there were locations on the Tribe's Reservation that were not identified. As our recommendations to AE-29P-1 have been implemented, the THPO concurs with the identification of potential historic resources located within the undertaking APE. However, there is an increased possibility of encountering buried cultural resources during the construction process that make take place in the undertaking, especially in the ESAs. The Tribe requests that approved Native American Monitor(s) be present during any ground disturbing activities that take place within these ESA's. With our comments being implemented, the THPO concurs with the adequacy of Caltrans' proposed finding of No Adverse Effect for the Undertaking.

The Tribe and THPO look forward to continuing working with Caltrans on this undertaking. If you have any questions, please do not hesitate to contact the Tribal Historic Preservation Office at (760) 775-3259 or by email: TNPConsultation@29palmsbomi-nsn.gov.

Sincerely,

Anthony Madrigal, Jr.
Tribal Historic Preservation Officer

cc: Darrell Mike, Twenty-Nine Palms Tribal Chairman
Sarah Bliss, Twenty-Nine Palms Tribal Cultural Specialist
Gary Jones, Caltrans
LeGrand Velez, CVAG



CV Link FPN: ATPL-6164 (022)

Area of Potential Effect

LEGEND

- Area of Potential Effect

CV LINK Route

- Alignment Determined
- Alignment with Alternatives

Ownership of Potentially Affected Parcels

- Private
- Public
- Tribal
- Water/Flood Control Districts
- CVWD Easements
- City Boundaries

Crossings

- At Grade
- Undercrossing
- Overcrossing

Access Points

TYPE

- AP — Access Point
- EP — Entry Point
- RS — Rest Stop

- Access Point Work Limits
- Construction Staging Area
- Path Work Limits
- HS-# — Geo-technical Borings Location
- 12345678 — Historic-Period Resource Area
- 00 — Historic-Period Resource Area - Linear (Stormwater Channel, et. al.)

INDEX OF CORE ALIGNMENT MAP PAGES



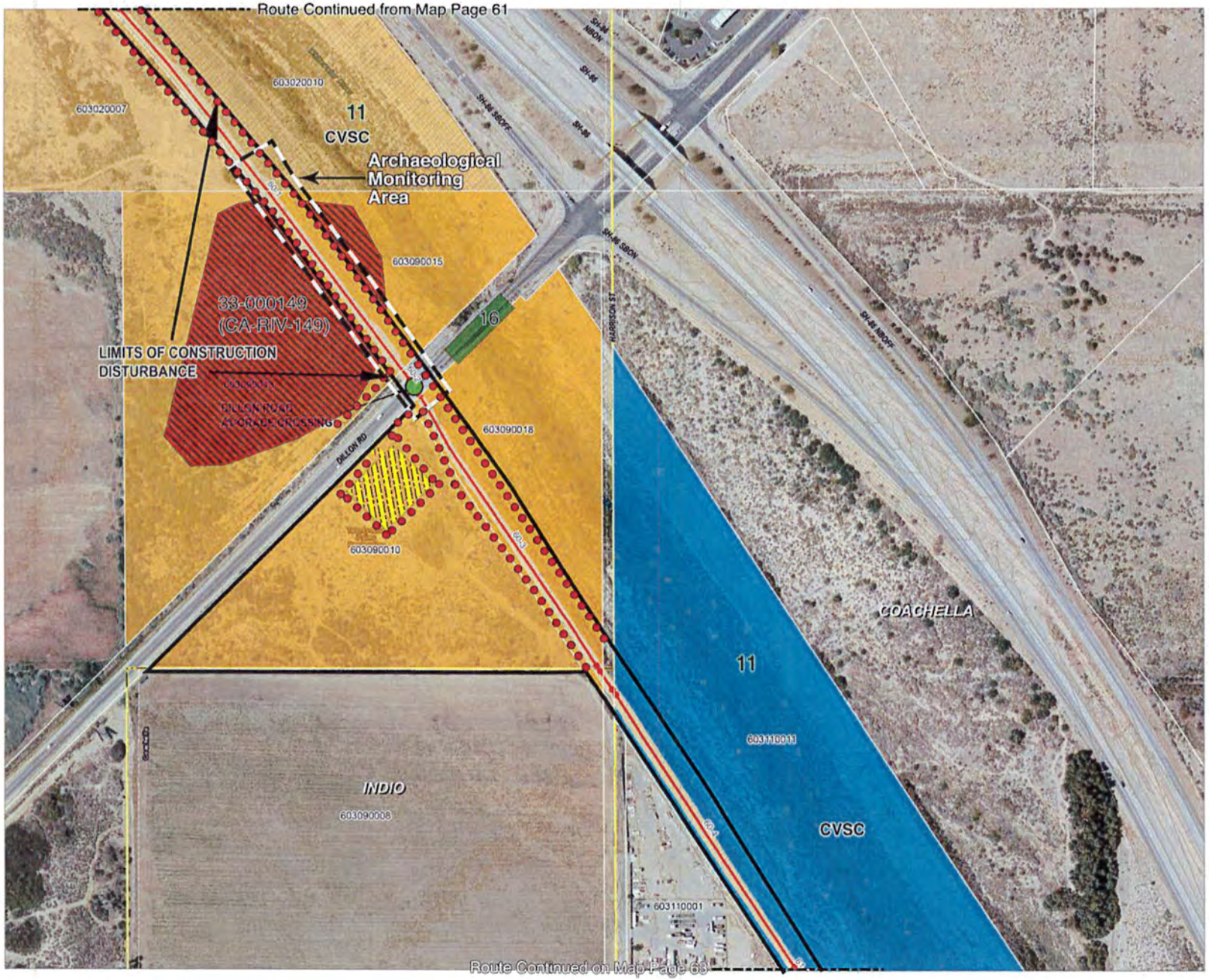
0 125 250 FT.

CVAG

Data obtained from CVAG, MSA CONSULTING, INC. CALSIL, RCTLMA, ACBCI, CVWD, and RCFCWCD

Date: 4/3/2017

Map Page 61



CV Link FPN: ATPL-6164 (022)

Area of Potential Effect

LEGEND

- Area of Potential Effect

CV LINK Route

- Alignment Determined
- Alignment with Alternatives

Ownership of Potentially Affected Parcels

- Private
- Public
- Tribal
- Water/Flood Control Districts
- CVWD Easements
- City Boundaries

Crossings

- At Grade
- Undercrossing
- Overcrossing

Access Points

TYPE

- AP — Access Point
- EP — Entry Point
- RS — Rest Stop

- Access Point Work Limits
- Construction Staging Area
- Path Work Limits
- 12345678 — Historic-Period Resource Area
- 12345678 — Pre-Historic Period Resource Area
- 00 — Historic-Period Resource Area - Linear (Stormwater Channel, et. al.)
- Proposed ESA Fencing
- ESA (existing wall or fence)

INDEX OF CORE ALIGNMENT MAP PAGES



0 125 250 FT.

CVAG

Data obtained from CVAG, MSA CONSULTING, INC. CALSIL, RCTLMA, ACBCI, CVWD, and RCFCWCD

Date: 4/3/2017

Map Page 62

AGUA CALIENTE BAND OF CAHUILLA INDIANS

TRIBAL HISTORIC PRESERVATION

03-070-2016-001

August 15, 2017

[VIA EMAIL TO:andrew.walters@dot.ca.gov]
Caltrans
Mr. Andrew Walters
464 W. 4th Street
San Bernardino, CA 92401

Re: CV Link- Historic Property Survey Report and Finding of No Adverse Effect

Dear Mr. Andrew Walters,

The Agua Caliente Band of Cahuilla Indians (ACBCI) appreciates your efforts to include the Tribal Historic Preservation Office (THPO) in the CV Link project. We have reviewed the documents and have the following comments/requests:

*We concur with the agency's area of potential effect (APE) for the planned ground disturbing activities. Please inform us of any changes to the APE.

*We find the level of cultural resources studies completed to be adequate for the scope of this project.

*We concur with the agency's determination at this time. Please inform our office if there are changes to the scope of this project that may affect this determination.

Again, the Agua Caliente appreciates your interest in our cultural heritage. If you have questions or require additional information, please call me at (760)699-6907. You may also email me at ACBCI-THPO@aguacaliente.net.

Cordially,

Patricia Garcia-Plotkin

Pattie Garcia-Plotkin
Director
Tribal Historic Preservation Office
AGUA CALIENTE BAND
OF CAHUILLA INDIANS

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DIVISION OF ENVIRONMENTAL ANALYSIS
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Making Conservation a California Way of Life.

July 31, 2017

Anthony Madrigal
Tribal Historic Preservation Officer
Twenty-Nine Palms Band of Mission Indians
47-250 Dillon Road
Coachella, CA 92236

Re: Historic Property Survey Report and Finding of No Adverse Effect for the Coachella Valley Association of Governments (CVAG) CV Link Project, Riverside County

Dear Mr. Madrigal,

The Department of Transportation (Caltrans) is initiating consultation with the State Historic Preservation Officer (SHPO), the Agua Caliente Band of Cahuilla Indians Tribal Historic Preservation Officer (THPO), and the Twenty-Nine Palms Band of Mission Indians THPO regarding the CV Link Project proposed by the Coachella Valley Association of Governments (CVAG) in Riverside County. The environmental review, consultation, and any other actions required by applicable Federal environmental laws for this project are being, or have been, carried out by Caltrans pursuant to 23 U.S.C. 327 and the Memorandum of Understanding dated December 23, 2016 and executed by FHWA and Caltrans.

As the project is partially located on the Agua Caliente Band of Cahuilla Indians Reservation and the Twenty-Nine Palms Band of Mission Indians Reservation, the Caltrans *First Amended Section 106 Programmatic Agreement* (January 2014) does not apply and consultation will occur under NHPA implementing regulations at 36 CFR § 800.

The Coachella Valley Association of Governments (CVAG), in cooperation with Caltrans, proposes an undertaking known as the CV Link Project in the Coachella Valley area of Riverside County. The undertaking entails primarily the construction of an alternative transportation and recreation corridor connecting various communities in the Coachella Valley from Palm Springs to Thermal (see Attachment A, Maps 2 and 3). Project components for the undertaking include a 20-foot-wide travel corridor that will include a six-foot-wide unpaved pedestrian path and a 14-foot-wide paved path for bicycles and low-speed electric vehicles; undercrossings, overcrossings, and at-grade crossings across public streets and other locations where obstructions present logistical or safety concerns; trail access ramps from surface streets; resurfacing and restriping segments of existing public roadways; trail signage and trail crossing signals installation; trail

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Enclosed you will find a Historic Property Survey Report (HPSR) and Finding of No Adverse Effect (FOE) approved for the project by Caltrans in July 2017. The HPSR and FOE are intended to fulfill Caltrans' responsibilities under Section 106 of the National Historic Preservation Act. In accordance with 36 CFR Part 800, Caltrans is consulting with you regarding the adequacy of the application of the procedures outlined therein.

Caltrans has identified one property within the APE that is **previously listed on the NRHP**:

MRN (APE Pg. #)	Name	Location
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If you have any questions or comments regarding the proposed project, please contact Alexandra Bevk Neeb, Caltrans Section 106 Coordination Branch Chief, at (916) 654-3567 by phone, or by email at alexandra.bevk@dot.ca.gov, or Andrew Walters, D8 Cultural Studies Branch Chief, at (909)383-2647 by phone, or by email at andrew.walters@dot.ca.gov. Thank you for your assistance with this undertaking.

Sincerely,

JODY L. BROWN
Office Chief
Cultural Studies Office

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c. Alexandra Bevk Neeb, Section 106 Branch Chief, Caltrans Cultural Studies Office
Patricia Garcia-Plotkin, THPO, Agua Caliente Band of Cahuilla Indians
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July 31, 2017

Patricia Garcia-Plotkin
Tribal Historic Preservation Officer
Agua Caliente Band of Cahuilla Indians
5401 Dinah Shore Drive
Palm Springs, CA 92264

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If you have any questions or comments regarding the proposed project, please contact Alexandra Bevk Neeb, Caltrans Section 106 Coordination Branch Chief, at (916) 654-3567 by phone, or by email at alexandra.bevk@dot.ca.gov, or Andrew Walters, D8 Cultural Studies Branch Chief, at (909)383-2647 by phone, or by email at andrew.walters@dot.ca.gov. Thank you for your assistance with this undertaking.

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July 31, 2017

Julianne Polanco
State Historic Preservation Officer
California Office of Historic Preservation
1725 23rd Street, Suite 100
Sacramento, CA 95816

Attn: Lucinda Woodward

Re: Historic Property Survey Report and Finding of No Adverse Effect for the Coachella Valley Association of Governments (CVAG) CV Link Project, Riverside County

Dear Ms. Polanco,

The Department of Transportation (Caltrans) is initiating consultation with the State Historic Preservation Officer (SHPO), the Agua Caliente Band of Cahuilla Indians Tribal Historic Preservation Officer (THPO), and the Twenty-Nine Palms Band of Mission Indians THPO on the adequacy of the application of 36 CFR § 800 procedures, regarding the CV Link Project proposed by the Coachella Valley Association of Governments (CVAG) in Riverside County. The environmental review, consultation, and any other actions required by applicable Federal environmental laws for this project are being, or have been, carried out by Caltrans pursuant to 23 U.S.C. 327 and the Memorandum of Understanding dated December 23, 2016 and executed by FHWA and Caltrans.

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Throughout the project, consultation with occurred with eight Native American tribal contacts (as detailed in Attachment F of the HPSR.) Four groups have requested monitoring during construction. This request is accommodated in the project and captured in the FOE. Consultation with these groups will continue throughout the project.

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9 (p. 46)	33-024880 / Clear Glass Bottle Base	Near Hwy. 111 and Miles Ave., Indian Wells
10 (p. 53)	33-011476 / La Hacienda Nursery	80900 Miles Ave., Indio
11 (pp. 53-71)	33-017259 / Coachella Valley Storm Channel Segment	Various
17 (p. 67)	33-026437 / Ayala's Auto Repair	86998 Ave. 52, Coachella
19 (p. 70)	33-024741 / Sun-Colored Amethyst Glass Fragment	South of Ave. 54, Thermal
20 (p. 70)	33-024742 / Glass Bottle Base/Ceramic Rim Sherd	South of Ave. 54, Thermal

Caltrans is requesting SHPO and THPO concurrence on the following pursuant to 36 CFR § 800.4(a-c):

1) The adequacy of the delineation of the APE;
2) The adequacy of identification of potential historic properties located within the undertaking's APE;
3) The adequacy of evaluation of potential historic properties for eligibility to the National Register of Historic Places (NRHP);
4) The adequacy of Caltrans' proposed finding of No Adverse Effect for the Undertaking.

Caltrans, as assigned by FHWA, intends to make a *de minimis* finding for Section 4(f) use of a historic property based on your concurrence in the Section 106 effect finding, pursuant to Section 6009(a) of SAFETEA-LU. Please note that if no response is received from the SHPO within 30 days of receipt of this submittal, Caltrans will still make a *de minimis* impact finding for purposes of Section 4(f) as described in our August 11, 2006 letter agreement.

If you have any questions or comments regarding the proposed project, please contact Alexandra Bevk Neeb, Caltrans Section 106 Coordination Branch Chief, at (916) 654-3567 by phone, or by email at alexandra.bevk@dot.ca.gov, or Andrew Walters, D8 Cultural Studies Branch Chief, at (909)383-2647 by phone, or by email at andrew.walters@dot.ca.gov. Thank you for your assistance with this undertaking.

Sincerely,

JODY L. BROWN
Office Chief
Cultural Studies Office

Enclosures:
Historic Property Survey Report for the CV Link Project, Riverside County, California (June 2017)
Finding of No Adverse Effect for the CV Link Project, Riverside County, California (June 2017)

c. Alexandra Bevk Neeb, Section 106 Branch Chief, Caltrans Cultural Studies Office
Patricia Garcia-Plotkin, THPO, Agua Caliente Band of Cahuilla Indians
Julianne Polanco, SHPO, California Office of Historic Preservation
Andrew Walters, Senior Environmental Planner, Caltrans District 8

OFFICE OF HISTORIC PRESERVATION
DEPARTMENT OF PARKS AND RECREATION
1725 23rd Street, Suite 100
SACRAMENTO, CA 95816-7100
(916) 445-7000 Fax: (916) 445-7053
calshpo@parks.ca.gov
www.ohp.parks.ca.gov

September 19, 2017

VIA EMAIL

In reply refer to: FHWA_2017_0731_001

Alexandria Bevk Neeb, Section 106 Coordinator
Cultural Studies Office
Division of Environmental Analysis
Caltrans
PO Box 942873, MS-27
Sacramento, CA 94273-0001

Subject: Finding of Effect for the Proposed Coachella Valley Association of Governments CV Link Project, Riverside County, CA

Dear Ms. Brown:

You have provided me with the results of your efforts to determine whether the project described above may involve or affect historic properties. You have done this, and are consulting with me, in order to comply with Section 106 of the National Historic Preservation Act and implementing regulations codified at 36 CFR Part 800.

The Coachella Valley Association of Governments, in cooperation with Caltrans, proposes to construct an alternative transportation and recreation corridor connecting various communities in the Coachella Valley from Palm Springs to Thermal. Project components include the following:

- a 20-foot-wide travel corridor that will include a six-foot-wide unpaved pedestrian path and a 14-foot-wide paved path for bicycles and low-speed electric vehicles
- undercrossings, overcrossings, and at-grade crossings across public streets and other locations where obstructions present logistical or safety concerns
- trail access ramps from surface streets
- resurfacing and restriping segments of existing public roadways
- trail signage and trail crossing signals installation
- trail amenities including benches, drinking fountains, charging stations, interpretive signage and displays
- rock protection and concrete paving to stabilize slopes

Caltrans developed the area of potential effect (APE) for the CV Link Project horizontally and vertically from the construction footprint to include all direct impacts, including staging and storage areas, temporary construction easements, right-of-way easements from the Riverside County Flood District or the Coachella Valley Water

District, and utility relocations, as well as a buffer to address potential indirect effects. For further information regarding development of the APE please see pages 1-2 of Historic Property Survey Report (HPSR) for the project.

Efforts to identify historic properties that may be affected by the undertaking were conducted on behalf of Caltrans by the consultant CRM Tech. Efforts are documented in the Historic Property Survey Report and include a historical/archaeological resources records search, a historical background review, and a historic/archaeological pedestrian survey.

Native American consultation included contact with the Native American Heritage Commission (NAHC) and requesting a record search of their sacred land file, which indicated the potential for Native American cultural resources to be impacted by the undertaking, particularly in the Palm Springs and Indio areas. Caltrans has been in on-going consultation with eight Native American tribal contacts. As a result of consultation, the Augustine Band of Cahuilla Indians, Cabazon Band of Mission Indians, Torres Martinez-Desert Cahuilla Indians, and Twenty-Nine Palms Band of Mission Indians have requested monitoring during construction activities.

Caltrans also consulted with the Tribal Historic Preservation Officers (THPOs) with the Agua Caliente Band of Cahuilla Indians Reservation and the Twenty-Nine Palms Band of Mission Indians Reservation. Pattie Garcia-Plotkin, THPO with the Agua Caliente Band of Cahuilla Indians Reservation, concurred with Caltrans' finding of no adverse effect with proposed conditions via letter dated August 15, 2017. Anthony Madrigal, THPO with the Twenty-Nine Palms Band of Mission Indians Reservation concurred with Caltrans' finding of no adverse effect with proposed conditions via letter dated September 6, 2017.

Caltrans also consulted with local historic and archaeological organizations and city government staff in each community along the project route. A summary of those responses are on pages 4-5 of the Historic Property Survey Report.

As part of their identification efforts Caltrans identified one property within the APE, 33-026436/Former Tramway Gas Station, located at 2901 N Palm Canyon Drive, is listed on the National Register of Historic Places (NRHP).

Caltrans is considering the two following properties to eligible for the NRHP for the purposes of this undertaking only, with the two segments within the APE considered to be contributing if the resources were ever found eligible in the future:

- 33-005705/Coachella Canal Segment
- 33-009498/Southern Pacific Railroad Los Angeles to Yuma Mainline Segment

Caltrans identified eight archaeological sites that are considered to be eligible for the NRHP for the purposes of this undertaking only because they will be protected from any potential effects through the establishment of an environmentally sensitive area:

- 33-000064/Cahuilla Village site
- 33-000149/Prehistoric habitation area
- 33-001178/Prehistoric habitation area
- 33-001530/Prehistoric habitation area
- 33-001754/Ceramic scatter
- 33-002935/Prehistoric habitation area
- 33-003005/Prehistoric artifact deposit
- 33-007835/Small prehistoric habitation area

Caltrans also determined that the following twelve resources are not eligible for the NRHP:

- 33-024876/Octagonal Concrete Footing, Near Highway 111 and Gateway, Palm Springs, CA
- 33-026432/Cathedral Palms R.V. Resort, 35901 Cathedral Canyon Drive, Cathedral City, CA
- 33-026434/Rancho Chiquito, 71560 San Jacinto Drive, Rancho Mirage, CA
- 33-026433/MJ Custom Furniture, 72162 Highway 111, Rancho Mirage, CA
- 33-007513/College of the Desert Foundation Building, 43500 Monterey Avenue, Palm Desert
- 33-024880/Clear Glass Bottle Base, Near Hwy 111 and Miles Avenue, Indian Wells, CA
- 33-011476/La Hacienda Nursery, 80900 Miles Avenue, Indio, CA
- 33-017259/Coachella Valley Storm Channel Segment
- 33-026437/Ayala's Auto Repair, 86998 Avenue 52, Coachella, CA
- 33-042741/Sun-Colored Amethyst Glass Fragment, South of Avenue 54, Thermal, CA
- 33-024742/Glass Bottle Base/Ceramic Rim Sherd, South of Avneue 54, Thermal, CA

Pursuant to 36 CFR 800.4(a-c), Caltrans is requesting SHPO and THPO concurrence on the following:

1) Adequacy of the delineation of the APE
2) Adequacy of the identification of potential historic properties within the APE
3) Adequacy of the evaluation of potential historic properties for eligibility to the NRHP.
4) Adequacy of the Caltrans' finding of No Adverse Effect for the undertaking.

I have reviewed the documentation furnished and have the following comments:

1) The APE delineated for the proposed project appears adequate.

2) The steps taken to identify historic properties that may be affected by this undertaking are satisfactory.

3) Based on review of the submitted documentation, I concur with the foregoing determinations of eligibility

4) I have no objections to Caltrans' finding of No Adverse Effect for this undertaking.

5) Be advised that under certain circumstances, like unanticipated discovery, Caltrans may have additional responsibilities under 36 CFR Part 800.

Thank you for considering historic properties during project planning. If you have any questions, please contact Natalie Lindquist of my staff at (916) 445-7014 with e-mail at natalie.lindquist@parks.ca.gov or Alicia Perez at (916) 445-7020 with e-mail at alicia.perez@parks.ca.gov .

Sincerely,



Julianne Polanco
State Historic Preservation Officer

Appendix I:
USFWS List of Threatened and Endangered Species

CV Link

Draft Environmental Assessment

December 2017

United States Department of the Interior

FISH AND WILDLIFE SERVICE
Carlsbad Fish And Wildlife Office
2177 Salk Avenue - Suite 250
Carlsbad, CA 92008-7385
Phone: (760) 431-9440 Fax: (760) 431-5901
http://www.fws.gov/carlsbad/

In Reply Refer To:
Consultation Code: 08ECAR00-2018-SLI-0311
Event Code: 08ECAR00-2018-E-00728
Project Name: CV Link

December 19, 2017

Subject: List of threatened and endangered species that may occur in your proposed project location, and/or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, and proposed species, designated critical habitat, and candidate species that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the

human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2)(c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

http://www.fws.gov/endangered/esa-library/pdf/TOC-GLOS.PDF

Please be aware that bald and golden eagles are protected under the Bald and Golden Eagle Protection Act (16 U.S.C. 668 *et seq.*), and projects affecting these species may require development of an eagle conservation plan (http://www.fws.gov/windenergy/eagle_guidance.html). Additionally, wind energy projects should follow the wind energy guidelines (http://www.fws.gov/windenergy/) for minimizing impacts to migratory birds and bats.

Guidance for minimizing impacts to migratory birds for projects including communications towers (e.g., cellular, digital television, radio, and emergency broadcast) can be found at: http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/towers.htm; http://www.towerkill.com; and http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/comtow.html.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Tracking Number in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List

Official Species List

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

Carlsbad Fish And Wildlife Office
2177 Salk Avenue - Suite 250
Carlsbad, CA 92008-7385
(760) 431-9440

Project Summary

Consultation Code: 08ECAR00-2018-SLI-0311

Event Code: 08ECAR00-2018-E-00728

Project Name: CV Link

Project Type: TRANSPORTATION

Project Description: Approximately 49 mile multi-modal transportation corridor with buildout expected in 2020 (2017 species list update).

Project Location:

Approximate location of the project can be viewed in Google Maps: https://www.google.com/maps/place/33.75659401198844N116.42828524134708W



Counties: Riverside, CA

Endangered Species Act Species

There is a total of 11 threatened, endangered, or candidate species on this species list. Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species. See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

Mammals

NAME	STATUS
Peninsular Bighorn Sheep *Ovis canadensis nelsoni* Population: Peninsular CA pop. There is **final** critical habitat for this species. Your location is outside the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/4970	Endangered

Birds

NAME	STATUS
Least Bell's Vireo *Vireo bellii pusillus* There is **final** critical habitat for this species. Your location is outside the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/5945	Endangered
Southwestern Willow Flycatcher *Empidonax traillii extimus* There is **final** critical habitat for this species. Your location is outside the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/6749	Endangered
Yuma Clapper Rail *Rallus longirostris yumanensis* No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/3505	Endangered

Reptiles

NAME	STATUS
Coachella Valley Fringe-toed Lizard *Uma inornata* There is **final** critical habitat for this species. Your location is outside the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/2069	Threatened
Desert Tortoise *Gopherus agassizii* Population: Wherever found, except AZ south and east of Colorado R., and Mexico There is **final** critical habitat for this species. Your location is outside the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/4481	Threatened

Amphibians

NAME	STATUS
Desert Slender Salamander *Batrachoseps aridus* No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/7631	Endangered
Mountain Yellow-legged Frog *Rana muscosa* Population: Southern California DPS There is **final** critical habitat for this species. Your location is outside the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/8037	Endangered

Fishes

NAME	STATUS
Desert Pupfish *Cyprinodon macularius* There is **final** critical habitat for this species. Your location is outside the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/7003	Endangered

Insects

NAME	STATUS
Casey's June Beetle *Dinacoma caseyi* There is **final** critical habitat for this species. Your location overlaps the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/4897	Endangered

Flowering Plants

NAME	STATUS
Coachella Valley Milk-vetch *Astragalus lentiginosus var. coachellae* There is **final** critical habitat for this species. Your location overlaps the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/7426	Endangered

Critical habitats

There are 2 critical habitats wholly or partially within your project area under this office's jurisdiction.

NAME	STATUS
Casey's June Beetle *Dinacoma caseyi* https://ecos.fws.gov/ecp/species/4897#crithab	Final

Coachella Valley Milk-vetch *Astragalus lentiginosus var. coachellae* Final
https://ecos.fws.gov/ecp/species/7426#crithab