CITY OF CARPINTERIA ARCHITECTURAL REVIEW BOARD Meeting of October 28, 2021

Agenda Item 2

COMMUNITY DEVELOPMENT DEPARTMENT PROJECT REVIEW

Project:

19-2015-CUP/CDP

Planner: Nick Bobroff

Address:

Eastern terminus of Carpinteria Avenue

APN:

City/Caltrans rights-of-way

Zoning:

N/A

Applicant:

Matt Roberts, Parks & Recreation Director, City of Carpinteria

Project Review:

☐ Conceptual

☑ Preliminary

☐ Final

PROJECT DESCRIPTION

The Carpinteria Rincon Trail is a public multi-use trail that would connect the eastern end of the City of Carpinteria to Rincon Beach County Park located in unincorporated Santa Barbara County near the Ventura County line. The proposed trail would originate from Carpinteria Avenue just east of the intersection with State Route ("SR") 150, and proceed easterly for approximately 2,800 linear feet, terminating at the western terminus of the Rincon Beach County Park parking lot. The proposed trail would be finished in a concrete pavement and feature a usable width of 16 feet (comprised of a five-foot wide "travel lane" in each direction and three-foot wide shoulders on each side). A six-foot wide shallow concrete v-ditch would run along the inside of the trail length for the purposes of capturing and conveying stormwater to onsite drainage facilities. Protective fencing would be provided along the trail alignment to keep trail users on the improved path. The proposed trail project also includes a new 14-foot wide, 160-foot clear-span pre-fabricated bridge crossing over the Union Pacific Railroad ("UPRR") alignment.

Grading and earthwork quantities necessary to cut the trail bench, stabilize slopes, and control stormwater runoff through the project area are estimated at 107,386 cubic yards of cut. Approximately 14,860 cubic yards of the cut material would be used for fill onsite; the remaining 92,526 cubic yards of cut material would be exported offsite. Approximately 40% of the estimated earthwork (equivalent to ~42,950 cubic yards of cut) is expected to occur on the inland side of the UPRR alignment; and the remaining 60% (~64,430 cubic yards) on the ocean side of the UPRR alignment. A storm drain collection system is proposed for the trail alignment, which would utilize a combination of existing and new piped storm drains on the bluff face and drain outlets to the ocean. A habitat restoration plan is included to restore areas temporarily disturbed during construction and to mitigate for permanent removal of vegetation to accommodate the new trail.

The westernmost approximately 850 linear feet of the trail, running roughly parallel to U.S. 101 from the trailhead just east of the Carpinteria Avenue/SR 150 intersection and north of the UPRR alignment falls within the jurisdiction of the City of Carpinteria. The remainder of the trail alignment (approximately 1,950 linear feet), including the new bridge over the UPRR alignment would fall within the permitting jurisdiction of the County of Santa Barbara. As part of the project, the City will obtain an easement from UPRR for the bridge crossing over, and trail improvements within, the UPRR alignment. The City is also anticipating the acquisition of right-of-way from the California Department of Transportation (Caltrans) to accommodate the trail alignment.

The purpose of the Carpinteria Rincon Trail project is to close an existing critical gap in the California Coastal Trail between the Carpinteria Bluffs and the Pacific Coast Bikeway (i.e., bike path from Bates Road to just south of Mussell Shoals along U.S. 101), that would serve to enhance opportunities for public coastal access and recreation, support alternative means of transportation, and provide a safe and attractive alternate route to the existing unsanctioned, informal use trails connecting the Carpinteria Bluffs to Rincon Beach County Park, which trespass through UPRR property, and the unprotected use of the U.S. 101 shoulder between SR 150 and Bates Road by cyclists. With the recent acquisition of the majority of the Bluffs III area for the new Rincon Bluffs Preserve, the proposed trail would also function as a critical connection between existing public recreation amenities in the area.

A Draft Environmental Impact Report (EIR) has been prepared to evaluate the potential environmental impacts of the proposed project and to consider possible project alternatives. The Draft EIR was available for public review in Spring 2021 and was recommended for approval by the City's Environmental Review Committee (ERC) in April 2021, subject to suggested revisions. Responses to comments and project refinements are underway in response to comments received during the public comment period. The project team is targeting January 2022 to refer the proposed project and Proposed Final EIR to the City of Carpinteria Planning Commission. Following review and approval by the City of Carpinteria Planning Commission, the project would be scheduled for consideration by the County of Santa Barbara Planning Commission for their portion of the proposed trail project.

Proposed 95% plans for the proposed trail and bridge are included as <u>Exhibit A</u>. Perspective renderings and other supporting materials are included as <u>Exhibit B</u>. A more detailed project

¹ All project alternatives, with the exception of the "no project" alternative maintain the identical trail alignment and design from its western terminus in the City of Carpinteria to the UPRR rail corridor crossing. East of the crossing, the other three project alternatives considered in the Draft EIR propose different trail alignments.

² As the CEQA Lead Agency for the proposed project, the City of Carpinteria is responsible for preparing and certifying the environmental document for the entirety of the project. The City of Carpinteria Planning Commission will be responsible for the certification of the EIR, in addition to acting upon the CUP/CDP application for the portion of the trail located in the City's jurisdiction. Subsequently, the County of Santa Barbara's Planning Commission will need to consider acceptance of the (City-) certified EIR and the land use applications for the portion of the trail located within the County's jurisdiction.

description in included in Section 2, Project Description, of the Draft EIR included as <u>Exhibit C</u> to this report.

PROJECT BACKGROUND

Site Characteristics

The project site is located near the eastern terminus of Carpinteria Avenue and extends eastward to the western terminus of the Rincon Beach County Park parking lot located in unincorporated Santa Barbara County. The project area appears to be a semi-natural setting at first glance, however, the proposed trail alignment is located upon a series of highly altered, manufactured slopes resulting from earthwork activities associated with the 1969 re-alignment of U.S. 101 (formerly SR 2) and the UPRR corridor inland away from the coastal bluffs. Remnants of the past SR 2 and UPRR alignments are visible in the project area, including the former rail bench along the coastal bluff face, abandoned retaining walls and storm drains associated with the past highway alignment, and remnant sections of highway paving. The existing slopes and soil conditions in the project area are highly dynamic, subject to erosive effects of runoff and areas of remnant historic landslides that further contribute to slope instability. It is expected the area may become vulnerable to coastal bluff retreat from the effects of sea level rise in the future as well.

North of the UPRR alignment, the proposed trail would be located on a new bench cut into the existing manufactured slope overlooking US 101 and the southbound on-ramp from SR 150. After crossing the UPRR alignment just west of where the U.S. 101 crosses the railroad tracks, the proposed trail alignment would round the western shoulder of the ridge located south of the UPRR alignment (sometimes referred to as the "Bates Bluff" or "Rincon Bluff", and traverse across the steep south-facing, or ocean side, of the coastal bluff face on a new cut trail bench located above the abandoned former UPRR rail bench, gradually descending toward the existing turn-around at the western end of the Rincon Beach County Park parking lot where the trail would terminate.

Various underground utilities and infrastructure run through the project area, including but not limited to U.S. Highway 101, which runs just to the north of the proposed trail alignment, major storm drain facilities associated with U.S. 101 which cross the trail alignment, a sewer main serving the homes on Rincon Point which roughly parallels the westerly portion of the trail alignment, the UPRR rail corridor which crosses the trail alignment, an underground communications line which approximately parallels the easterly portion of the trail alignment, and an abandoned in place underground oil pipeline that also crosses the trail alignment just north of the railroad tracks.

Public recreational amenities in the area include the newly acquired Rincon Bluffs Preserve located on Bluffs III, just southwest of the proposed westerly terminus of the trail, Rincon Beach County Park located at the eastern terminus of the proposed trail, and Rincon State Beach, located just east of the vehicular entrance into Rincon Beach County Park. Public beaches are located seaward of the coastal bluff face and proposed trail alignment. Informal use trails crisscross the bluffs in the project area and have provided historic unsanctioned public access to,

and across, the UPRR alignment between the Carpinteria Bluffs and the Rincon Beach County Park. The area is also informally used by members of the soaring community (e.g., hang gliders, parasailers, etc.), who take off from an informal launch point, located on private property, at the southeastern tip of the Carpinteria Bluffs on flights toward Rincon Point or along the Carpinteria Bluffs.

Vegetation in the area is characterized as a mix of native and non-native/disturbed vegetative communities. Several large swatches of undisturbed native vegetation are present in the project area, including several areas with concentrations of identified sensitive species.

The project area within the City is not assigned to a zoning designation on the City's Zoning Map, however the immediately adjacent privately-owned parcels to the south are zoned Resort District ("RES") and have a Visitor-serving Commercial ("VC") land use designation. The U.S. 101 corridor immediately to the north of the project site has a Transportation Corridor ("TC") land use designation. For the portion of the trail project located in the County's jurisdiction, the project area is zoned Transportation Corridor ("TC") and Recreation ("REC"), and has TC and Recreation/Open Space land use designations. The project area is also subject to several Overlay Districts including Environmentally Sensitive Habitat ("ESH"), and Coastal Appeals ("CA") in the City, along with the County's Hwy 101 Corridor Zoning Overlay, and View Corridor Overlay.

Project History

<u>Local Coastal Program Amendment for the Linden Avenue and Casitas Pass Road Interchanges,</u> <u>Via Real Extension</u>, <u>South Coast HOV Lanes</u>, and the Coast Route Bike Path Projects

The Carpinteria Rincon Trail project was initially conceived as part of a suite of transportation improvement projects associated with Caltrans U.S. 101 interchange and widening projects in Carpinteria. Working in close collaboration with Caltrans and the California Coastal Commission ("CCC"), the City received approval and certification of a Local Coastal Program Amendment ("LCPA") in October 2015 (LCP-4-CPN-15-0018-1 / City Project 09-1522-LCPA/ORD) to, among other things, create the new Transportation Corridor Wetland Overlay (Carpinteria Municipal Code ("CMC") §14.45) and Whitney Site Agriculture Overlay (CMC §14.41) Districts to carve out specific exceptions for limited unavoidable impacts to wetlands and prime soils/agriculture associated with the U.S. 101 projects necessary to complete these critical infrastructure projects, subject to specific mitigation measures to reduce impacts to the maximum extent feasible and other beneficial coastal resource enhancement project components.

One of the applicable development standards for the U.S. 101 projects subject to the new Transportation Corridor Wetland Overlay District is to require the construction of two "regionally important improvements to alternative transportation modes for the purpose of increasing access to coastal resources for all members of the public" (CMC §14.45.030[7]); the two identified projects being the Coast Route Bike Path (Santa Claus Lane to Carpinteria Avenue) and the Rincon Coastal Trail (SR 150/Carpinteria Avenue to Rincon County Park). The Coast Route Bike Path project is required to be completed no later than completion of the

adjacent phase of construction for the South Coast HOV Lanes project; the Rincon Coastal Trail project was required to be completed no later than completion of the Linden Avenue and Casitas Pass Road Interchanges and Via Real Extension project construction.

Following certification of the LCPA to create the necessary new Overlay Districts, the City took action on the Conditional Use Permit and Coastal Development Permit application (Project 09-1522-CUP/CDP) for Caltrans' Linden Avenue and Casitas Pass Road Interchanges and Via Real Extension project in November 2015. Condition no. 3.7.15 of the adopted project conditions of approval requires Caltrans to complete construction of the Rincon Trail project as a required coastal access and recreation component of the larger project as depicted in the City of Carpinteria Planning Commission's approval of Project 15-1760-CUP/CDP (discussed below), and subject to approval by the County of Santa Barbara and California Public Utilities Commission. The condition stipulates that while construction of the trail is the sole responsibility of Caltrans acting as the project applicant, the City, County of Santa Barbara, SBCAG and Caltrans are to work cooperatively to complete construction of the trail project. The condition also provides that if the trail cannot be completed along the route described in the MND prepared for Project 15-1760-CUP/CDP, then the applicant shall provide an alternative route. Finally, the condition requires that the trail be open to the public prior to completion of the Linden Avenue and Casitas Pass Road Interchanges and Via Real Extension improvements.

Carpinteria Rincon Trail Project

In anticipation of the CCC's certification of the LCPA establishing the Transportation Corridor Wetland Overlay District and the City's subsequent approval of the CUP/CDP application for the Linden Avenue and Casitas Pass Road Interchange and Via Real Extension project, the City initiated a separate CEQA process for the Rincon Trail project in 2012 and its own CUP/CDP application for the anticipated trail in March 2015 (Project 15-1760-CUP/CDP). This initial iteration of the Rincon Trail Project followed a similar alignment from Carpinteria Avenue to the UPRR corridor crossing, but then incorporated a major switchback element after crossing the railroad tracks to move the trail off the shoulder of the ridge south of the tracks (i.e. "Bates Bluff") and onto the abandoned former railroad bench located along the lower ocean-side bluff face. This existing bench was to accommodate the remainder of the new trail and connect to Rincon Beach County Park. This initial project description also called for additional project components including a new trailhead parking area on Carpinteria Avenue, a rainwater cistern to collect runoff for use in irrigation of mitigation plantings, and trail lighting.

This initial version of the project required preparation of a MND to satisfy the requirements of CEQA, and was reviewed and recommended to the Planning Commission for approval by the City's Environmental Review Committee ("ERC") in June 2012, with only minor revisions to the proposed environmental document. Following formal submittal of the CUP/CDP application, the project was reviewed and recommended for approval by the City's Architectural Review Board in April 2015 as submitted. The City's Planning Commission reviewed and approved the CUP/CDP application for the City's portion of the Rincon Trail project, and acting as Lead Agency for the project, accepted and certified the MND as having satisfied all CEQA requirements in May 2015.

A companion DP/CUP/CDP application for the portion of the trail within the jurisdiction of the County of Santa Barbara was subsequently submitted in 2017, but was deemed incomplete pending submittal of additional information. In May 2017, the City's entitlements for the Rincon Trail project expired due to failure of the project to initiate construction within the allotted two-year timeframe from project approval.

Since that time, the project design team has continued to work on the project plans, completing necessary geotechnical and drainage studies to more closely assess the site conditions and understand how these conditions will affect the construction of the trail, with the intention of obtaining a reauthorization of the City's approval of the trail project and completing the County's permitting process. However, after further study, the more detailed understanding of the site conditions along with further refinement of the trail alignment and design revealed that the initial trail alignment described in the 2012 MND and approved by the City in 2015 was no longer preferable, or possibly even feasible from a constructability standpoint due to a variety of site constraints. These site constraints include but are not limited to, conflicts with major U.S. 101 storm drain infrastructure, unstable geologic conditions within the original trail alignment, more extensive encroachments of improvements into the UPRR corridor, and inability to build the trail in a manner consistent with Americans with Disabilities Act ("ADA") design guidelines.

Further study revealed that an alternative, more direct alignment was available that could avoid interference with critical storm drain infrastructure, avoid the need for construction of costly and unsightly retaining walls, shorten the overall trail length, minimize construction in areas of geologic instability, reduce the extent of work within the UPRR alignment, and provide an ADA-compliant path profile for the entire trail length. This alternate alignment was also found to better achieve the stated project objectives, which are listed below:

- Improve pedestrian and bicyclist safety, as well as vehicular safety, by significantly reducing unsafe and/or illegal use of the railway corridor and the US Highway 101 shoulder.
- Enhance regional mobility for cyclists and pedestrians, while enhancing support of regional initiatives to promote alternative transportation modes between Carpinteria, Santa Barbara County and Ventura County, by providing a continuous bike and pedestrian path connecting Santa Barbara County to Ventura County.
- Reduce air pollution from vehicle-related air quality emissions and traffic congestion on local and regional transportation systems by promoting pedestrian and bicycle access to coastal resources and recreation opportunities via a scenic multi-use trail, as an alternative to use of motorized vehicles to access and experience such coastal resources.
- Improve the local coastal bluff environment through improved water quality of surface run-off through stabilization of bluff slope faces that are currently eroding into the Pacific Ocean, and enhancement of sensitive coastal bluff scrub habitats in the project area. Also, avoid deposits of petroleum fuels or lubricants associated with typical motor vehicle use for transportation in close proximity to the ocean, preventing such pollutants from stormwater runoff entering the adjacent marine environment.

- Complete a critical missing link in the California Coastal Trail consistent with the goals of Senate Bill 908, including the provision of a continuous trail as close to the ocean as possible, with connections to the shoreline at appropriate intervals and sufficient access to encourage public use. The California Coastal Trail is intended to offer scenic coastal vistas, wildlife viewing areas, recreational or interpretive facilities, and other points of interest, and is recognized in regions throughout the state as a key resource or opportunity for these coastal-oriented experiences.
- Provide a coastal-oriented pathway that supports the broadest use by the public through a design that complies with standards established via the Americans with Disabilities Act (ADA).
- Provide new scenic coastal access and coastal tourism opportunities in the City of Carpinteria, Santa Barbara County, and Ventura County.

Despite being found to be preferable to the original trail alignment, this new alignment was determined to be significantly different from what was previously considered under the original MND, and identified possible new significant impacts not previously disclosed, such that a new environmental review for the revised alignment was deemed necessary in order to comply with the requirements of CEQA.

A Subsequent Mitigated Negative Declaration (SMND) was prepared for the revised project alignment in fall 2019 and circulated for public review over November/December 2019. The SMND was considered and certified by the Planning Commission at their January 6, 2020 hearing, however an appeal of the Planning Commission's decision was filed by a member of the public during the 10-day appeal period following the Planning Commission's action. Consideration of the appeal by the City Council was postponed due to the onset of the COVID-19 global pandemic. In September 2020, without having ever heard the pending appeal, the City Council elected to instead move forward with the preparation of an EIR as the appropriate CEQA environmental review document in order to allow for a more in-depth analysis of key issue areas identified during consideration of the SMND.

PROJECT ANALYSIS

Carpinteria Municipal Code

Projects of a public works nature, such as the proposed multi-use path improvements, are permissible in any zone district subject to the approval of a Conditional Use Permit (CUP) and Coastal Development Permit (CDP), pursuant to Carpinteria Municipal Code (CMC) §14.62.

The project has also been designed in an effort to comply with the intent of the ESH Overlay district. Lastly, as a project located in the Coastal Appeals Overlay district, any local actions taken by the City will require a discretionary Coastal Development Permit and will be subject to appeal to the California Coastal Commission.

Design Review

The project design team is seeking preliminary feedback from the Board concerning certain design details for the project. The intent is to develop a consistent design theme for the entirety of the project across the two local jurisdictions. As such, the project team is completing an architectural review process with both the City and County design review boards to receive feedback on critical details. The project was conceptually reviewed in May 2021 by the County South Board of Architectural Review (SBAR). The SBAR was generally in support of the project, but provided the following comments for further study:

- Four different railings are shown. Study ways to make the proposed railings more consistent and compatible. Look to wave-patterned fencing design on the southern portion of the freeway as a potential reference. Fourth "vertical picket" design may be inappropriate.
- Consider a rust-red color for bridge instead of green for bridge railing design.
- Return with a comprehensive landscape plan showing how disturbed areas will be revegetated.
- Provide signage information.
- Look into safety lighting, as least at the bridge.
- Chain-link fencing is not appropriate and is underwhelming. Provide a proper architectural fencing solution that it integrated with other fencing styles.

Proposed construction plans are attached for the Board's review. The plans show the proposed trail alignment, construction, and anticipated earthwork. Details and specifications for the proposed bridge and abutments are also provided. The plans include a fencing plan, showing the location of proposed permanent fencing, including both fencing along the trail edge as well as safety fencing to separate the trail from the adjacent highway and railroad corridor. A planting plan has not been provided at this stage, however, the intent is to revegetate disturbed areas with a mix of hydroseed and container plants of appropriate species to restore the various sage scrub communities that would be impacted by the project. Additional compensatory mitigation areas will also be restored/enhanced to offset areas of unavoidable permanent impacts to ESHA.

The Board's comments on the proposed materials, finishes and detailing for the bike path improvements would be appreciated.

General Plan/Coastal Plan Policies

The following General Plan/Coastal Plan objectives and policies apply to the project. The City's Community Design Element of the General Plan contains both general over-arching policies and specific subarea policies. The project site is in Design Subarea 6 (The Bluffs).

Land Use Element

Objective LU-1: Establish the basis for orderly, well planned urban development while protecting coastal resources and providing for greater access and recreational opportunities for the public.

Objective LU-3: Preserve the small beach town character of the built environment of Carpinteria, encouraging compatible revitalization and avoiding sprawl development at the City's edge.

Policy LU-3h: Develop land uses that encourage the thoughtful layout of transportation networks, minimize the impacts of vehicles in the community, and encourage alternative means of transportation.

Policy LU-3i: Ensure the provision of adequate services and resources, including parking, public transit and recreational facilities, to serve proposed development.

The proposed project would establish a new public coastal access route and bike/pedestrian path connecting the City of Carpinteria to unincorporated areas southeast of the City. The project would be located within a combination of City and Caltrans rights-of-way, the UPRR rail corridor, and County-owned recreational/open space property. The intent is to create a more direct, safe, convenient and attractive alternative transportation route connecting the east end of the City of Carpinteria to Rincon Beach County Park and other nearby recreational amenities, including Rincon Point State Beach and the Pacific Coast Bikeway. The proposed path would replace informal use trails that trespass through UPRR-owned property and use of the US Highway 101 shoulder by cyclists. The proposed path would also afford new public vantage points of the ocean.

Community Design Element

Objective CD-3: The design of the community should be consistent with the desire to protect views of the mountains and the sea (California Coastal Act of 1976 §30251).

The project would enhance public views toward the ocean from a new bluff-top trail overlooking the ocean. The portion of the trail northwest of the UPRR rail corridor that parallels the US 101 Highway may also afford new views towards the Santa Ynez Mountains. The proposed railing/barrier materials are intended to be visually permeable and the bike path would be at an elevated grade above the highway and beach, affording unobstructed views towards the ocean. The path improvements are not expected to have a negative impact on existing views from the highway toward the ocean or mountains.

Objective CD-8: To encourage and facilitate pedestrian and bicycle pathways.

Policy CD-8a: All streets should be designed with safe and pleasant pedestrian ways at their edge. Pedestrian ways shall be spatially separated from vehicular traffic by elements such as trees, other plantings, streetlights, and/or parked cars.

Policy CD-8b: To provide convenient pedestrian routes, the existing network of automobile lanes, trails and pedestrian ways in the Downtown District and adjacent neighborhoods should be preserved, reinforced and extended into other neighborhoods. This pedestrian network should be in addition to, not in lieu of, pedestrian ways on the streets.

The proposed bike path would provide a physically separated bicycle and pedestrian path from the east end of Carpinteria Avenue to Rincon Beach County Park, staying on the ocean side of US Highway 101. The new path would fill in a missing gap of the California Coastal Trail, and replace informal use trails that trespass through the UPRR rail corridor and use of the US Highway 101 shoulders by cyclists to connect to/from Bates Road.

Objective CD-11: Existing public spaces should be maintained, and new public spaces should be incorporated into neighborhoods and districts as an important aspect of their design.

Policy CD-11c: All public spaces and facilities should reflect quality design.

Policy CD-11g: The edges of neighborhoods adjoining greenbelts should be streets bike paths or other public ways, allowing their enjoyment by everyone.

The purpose of this review is to obtain early feedback from the ARB concerning project design details, such as the colors, materials, and treatments for trail/bridge railings, and protective fencing materials. The project is unique in that it spans across jurisdictional boundaries, however the project design team's goal is to come up with a plan that would be mutually supported by both the City and County to ensure the project has a high quality, durable, low maintenance and consistent appearance.

Objective CD-12: Development should fit quietly into the area's natural and introduced landscape, deferring to open spaces, existing natural features and native and sensitive habitats.

Policy CD-12a: Landscape planning shall be respectful of the natural character of the City and enhance existing native plant communities and environmentally sensitive habitat areas.

CD-12-Implementation Policy 1: Use of native, locally adapted species shall be encouraged and shall be required within and adjacent to ESHA.

The proposed trail alignment passes through intact and disturbed areas of various native coastal sage and bluff scrub communities. In areas where the new trail alignment would be cut into the existing bluff faces, permanent impacts to native ESH areas is unavoidable. In surrounding areas where earthwork is needed to stabilize the bluff face, temporary impacts to ESH would occur. In both cases, the proposed project includes plans to restore and revegetate temporarily impacted areas, and in the case of permanent impacts, offset those through compensatory mitigation in the

project area through the enhancement/restoration of disturbed ESH areas. All plantings would be identified by a restoration biologist as being appropriate to the impacted plant communities, and are expected to involve a combination of hydroseed mixes and container plants.

Objective CDS6-2: Ensure that development is controlled to avoid impacts to significant viewsheds, vistas, and view corridors.

Policy CDS6-b: Development on the bluffs shall not obstruct existing view corridors of the ocean and bluff top edge. In addition, views of the ocean and mountains for users of the Carpinteria Bluffs Nature Park and coastal trail(s), for bluffs area property owners and visitors, and for passing motorists, shall be maintained.

Implementation Policy 58: All structures, including ancillary structures, shall be appropriately placed so as to minimize their obtrusiveness, and to maintain existing view corridors. Existing views from Bailard Avenue, Carpinteria Avenue, and U.S. 101 to the ocean shall be preserved.

Implementation Policy 59: Development that is located on or adjacent to bluffs, beaches, or streams shall be designed and sited to prevent adverse impacts on the visual quality of these resources.

• New development is to remain visually subordinate to surrounding natural and introduced landscaping. New buildings, signs, roads, and other man-made features should borrow from naturally established forms, lines, colors, and textures, including the forms, lines, colors, and textures introduced as part of site landscaping. New buildings, signs, roads, and other man-made features should also be at such a scale that they contribute to the desired low intensity character for the Carpinteria Bluffs.

The portion of the proposed trail located in the City of Carpinteria would begin near the Carpinteria Avenue/State Route 150 intersection and contour along the face of the manufactured bluff above the southbound US Highway 101 on-ramp, gradually descending to the existing bench above the UPRR rail corridor. Given the proposed trail's location relative to the existing topography and transportation infrastructure, as well as the mechanically altered condition of the affected bluff area, the City's portion of the project would have no detrimental effect on viewsheds, vistas, or view corridors. Areas disturbed during the construction of the new trail alignment would be revegetated with appropriate native plantings, which would help to further reduce the visibility of the trail from adjoining areas.

Policy CDS6-d: Landscape planning shall be respectful of the natural character of the Bluffs and enhance existing native plant communities and environmentally sensitive habitat areas.

Implementation Policy 75: Use of native, locally adapted species shall be required.

Implementation Policy 83: Development within the Carpinteria Bluffs should fit quietly into the area's natural and introduced landscape, deferring to open spaces, existing natural features, and native and sensitive habitats.

As previously described, the proposed trail alignment must cut through previously-disturbed areas and manufactured slopes that have since been recolonized by native sage and bluff scrub habitats. Areas disturbed during construction would be restored and revegetated with appropriate native plant mixes. Areas of permanent disturbance (i.e., the location of the trail itself), would be mitigated through compensatory habitat restoration/enhancement of surrounding naturalized areas. All landscaping would be completed under the supervision of a restoration biologist with an emphasis placed on enhancing habitat value.

Circulation Element

Objective C-4: Improve the Carpinteria Avenue corridor to ensure adequate traffic flow, safe bicycle use and improved aesthetic qualities.

Objective C-7: Build demand for alternative transportation use by increasing ease, effectiveness, and social acceptability, and through foresighted planning.

Policy C-7b: Develop safe and direct pedestrian accessibility between residential areas, schools, parks, and shopping areas in both new and existing urban areas.

Objective C-8: Support and develop safe, direct and well-maintained bicycle and pedestrian systems and recreational boating facilities that serve all segments of the public.

Policy C-8a: Integrate the development of bicycle routes and pedestrian pathways in additional areas of the city, and encourage the utilization of such routes for commuting as well as recreational purposes.

Policy C-8d: Encourage integration of the city's bicycle routes with state and countywide programs.

Policy C-8f: Encourage pedestrian movement by providing pedestrian facilities that are direct and convenient, particularly in the beach and downtown areas.

Policy C-8g: Consider rerouting the Pacific Coast Bikeway to another location parallel to the coastline, such as adjacent to the railroad right of way throughout the city. [5-year]

Policy C-8h: Encourage a bike trail link from Carpinteria to Summerland along the railroad right of way and a coastal link to Ventura paralleling U.S. 101.

The proposed project would provide a new separated Class I bicycle and pedestrian path connecting the City of Carpinteria to the unincorporated Santa Barbara and Ventura County lands southeast of the City, and will also serve to fill in a critical missing link in the California Coastal Trail, a statewide coastal public access trail. The bike path will allow for a safer, more direct route to the popular coast route for cyclists, allowing cyclists to bypass the section of US 101 between State Route 150 and Bates Road. Further, the proposed trail would also provide a safe, legal alternative to the illicit use trails currently traveled by pedestrians to get from the City

of Carpinteria to Rincon area beaches. The bike path is intended to support both alternative transportation commuting and recreational activities.

At the western terminus of the proposed path at the intersection of Carpinteria Avenue and State Route 150, the trail would end in an existing dirt turnout that provides an informal public parking area. From there, cyclists and pedestrians can either continue along the existing Class II bike lanes along Carpinteria Avenue or, can continue on into the existing/proposed trail network within the adjacent Rincon Bluffs Preserve, which eventually lead to the City's existing Carpinteria Bluffs trail. At the eastern terminus of the bike path, outside of the City, the proposed path would terminate at the end of the Rincon Beach County Park parking lot. From there, pedestrians and cyclists can either continue through the parking lot to reach recreational amenities farther to the south (e.g., Rincon Point State Beach or the Pacific Coast Bikeway), or utilize existing pathways within the County Park to access park facilities.

Open Space, Recreation and Conservation Element

Objective OSC-1: *Protect, preserve and enhance local natural resources and habitats.*

Policy OSC-1a: Protect Environmentally Sensitive Habitat Area(s) (ESHA) from development and maintain them as natural open space or passive recreational areas.

Policy OSC-1b: Prohibit activities, including development, that could damage or destroy ESHA.

The proposed project would have both limited permanent and temporary unavoidable impacts to ESHA resulting from construction of the trail, totaling approximately 0.76 acres and 3.55 acres, respectively. Project Alternative 3, identified in the Draft EIR as the environmentally superior alternative, would slightly reduce these quantified impacts through reduced earthwork. In either case, unavoidable temporary and permanent impacts to ESHA have been minimized to the maximum extent feasible, while still achieving the stated project objectives. Temporary and permanent impacts would be fully mitigated with restoration of temporarily impacted areas and compensatory restoration/enhancement of adjacent ESH areas to offset the permanently impacted areas resulting from the new pathway.

Objective OSC-14: Provide for adequate park and recreation facilities to meet the needs of the community and visitors.

Policy OSC-14a: Increase coastal and recreational access for all segments of the population, including the disabled and elderly, while protecting natural resources, particularly environmentally sensitive habitat areas.

Objective OSC-15: Maintain the existing trail system and provide additional recreation and access opportunities by expanding the trail system.

Policy OSC-15c: Pursue development of a trail and/or boardwalk system along the coastline.

Implementation Policy 70: Continue the development of a coastline trail to extend from Carpinteria City Beach to Rincon Beach Park with vertical access points placed as frequently as possible to encourage public access.

Implementation Policy 73: As a part of the development of the trail system, minimize the number of formal rail crossings for pedestrians and improve their safety through crossing controls or other improvements such as fences and landscaping. Seek joint funding for such improvements from state and federal agencies and the railroad.

The proposed project enhances coastal public access and recreational opportunities, providing a safer, more direct pedestrian and bicycle link between the City of Carpinteria and the unincorporated areas of Santa Barbara and Ventura Counties to the southeast of the City. The trail as designed would fill in a critical missing gap in the California Coastal Trail and extend the City's existing Carpinteria Bluffs Trail system to the existing recreation facilities in the County's Rincon Beach Park. The trail, as proposed, has been designed to be ADA-compliant. Project Alternative 3, which is the environmentally superior alternative, resulting in reduced earthwork and impacts to ESH areas, would be mostly ADA-compliant, however a short portion of the trail, east of the UPRR bridge crossing, would slightly exceed ADA pathway slope standards for a limited section in order to route as much of the trail as possible on the existing (former) railway bench. The new bridge crossing of the railroad would provide a safe, separated crossing of the railroad without need for any new crossing controls.

Safety Element

Objective S-2: Minimize the potential risks and reduce the loss of life, property and economic and social dislocations resulting from seismically-induced and naturally-occurring landslides, from mud and debris flows, from rock falls, and from seacliff retreat.

Objective S-4: Minimize the potential risks and reduce the loss of life, property and the economic and social dislocations resulting from flooding.

The proposed project passes through an area with known geologic hazards. Part of the rationale for the trail re-alignment was to avoid an area of a known historic landslide that the previous 2015-approved trail alignment crossed through. To further facilitate slope stability and ensure the safety and longevity of the proposed trail, portions of the slopes that the proposed trail would cut across are intended to be laid back. This would reduce erosion potential, decrease potential for rock fall, and facilitate revegetation efforts along the affected bluff faces. The project area is also known to be potentially vulnerable to seacliff retreat impacts, including those associated with projected future sea level rise. However, the proposed trail has been sited far enough inland to not be found to be at risk of damage from seacliff retreat over the anticipated lifespan of the trail improvements.

SUMMARY OF ISSUES

- Project design, layout and alignment;
- · Railing and fencing designs, and placement; and
- Restoration landscape planting.

RECOMMENDATION

Receive public comment and provide feedback on the proposed project. If the Board finds the proposed project to be consistent with applicable City regulations and policies, then the Board should recommend preliminary approval to the Planning Commission.

ATTACHMENTS

Exhibit A - Proposed project plans and specifications

Exhibit B - Renderings and supporting exhibits

Exhibit C - Project description narrative

: B	
×.	

Exhibit A

Proposed Plans

Rincon Trail
Project 19-2015-CUP/CDP
October 28, 2021 Preliminary ARB Review

* 2 , a a

TITLE SHEET

CARPINTERIA RINCON MULTI USE TRAIL

441148Y
usha pacarat no
0423/21 TITLE
swin seriana sue
MP 18048
usha no strong

1 of 119





COLOR VO THEIR SELECTION	any adol; 5 000
	with the .
IMENI	

	Porce An C-110 Santa Barbara, CA 90105
CPF. Dush Dast	BENCYT

9-			SELECTION SELECTION
	OS SH SM	Darign Darign	A P VE

	ROICE AD JUSTICE SATISTICS OF THE SECTION OF STREET
	SPIEDE DE LE PROPERTIE DE LA CONTRACTION DEL CONTRACTION DE LA CON
CPF. Dust Date	TABNER

20	2 1 0	63-70	71-72 73	74-119
82	59 60 61 62	63	55	74

62	63-70	71-72 73	74-119
DETAILS 1 DETAILS 2	SS SECTIONS	NTROL VAY MAPS	ORING LOGS









The City of Carpmiens & their officers or agents shall not be responsible for the accuracy i completeness of electronic expess of the plan sheet.

SHEET INDEX

SHT NO.	← 13 m	4-6 7-9 10-12	13 14-23 24-25 26-29	40-42 43-46 47-49 50-56	57 58 59 60 61	63-70	71-72 73
SHT. DESCRIPTION	TITLE SHEET ABBREVIATIONS & LEGEND GENERAL NOTES	KEYLINE GEOMETRY TYPICAL SECTIONS TYPOTES	PROFILES CONSTRUCTION DETAILS CONTOUR GRADING FENCING PROMINGE	PAYEMENT DELINEATIONS UTILITY CONFLICT PAVEMENT JOINT DETAILS SUMMARY OF QUANTITIES	BRIDGE GENERAL PLAN STRUCTIVE GESTERAR & CONSTRUCTION METHODS GENERAL LIPRA NOTES BRIDGE FOLUNATION PLAN ABUTMENT DETAILS 1 ABUTMENT DETAILS 1	TRAIL CROSS SECTIONS	SURVEY CONTROL RIGHT-OF-WAY MAPS

Mail Roberts, Project Manager

SHT. DESCRIPTION	SHT NO.
TITLE SHEET	-
ABBREVIATIONS & LEGEND	2
GENERAL NOTES	e
KEYLINE GEOMETRY	4-6
TYPICAL SECTIONS	7-9
LAYOUTS	10-12
PROFILES	13
CONSTRUCTION DETAILS	14-23
CONTOUR GRADING	24-25
FENCING	26-29
DRAINAGE	30-39
PAVEMENT DELINEATIONS	40-42
UTILITY CONFLICT	43-46
PAVEMENT JOINT DETAILS	47-49
SUMMARY OF QUANTITIES	99-29
RRIDGE GENERAL PLAN	22
STRUCTURE CRITERIA &	28
CONSTRUCTION METHODS	
GENERAL UPRR NOTES	59
BRIDGE FOUNDATION PLAN	09
ABUTMENT DETAILS 1	61
ABUTMENT DETAILS 2	29
TRAIL CROSS SECTIONS	63-70
SURVEY CONTROL	71-72
KIGHI-OF-WAY MAPS	2

BETWEEN RINCON ROAD AND BATES ROAD

IN SANTA BARBARA COUNTY

To be supplemented by 2018 State Standard Plans and Specifications

RINCON MULTI-USE TRAIL

PROJECT PLANS FOR

THE CITY OF CARPINTERIA DEPARTMENT OF PARKS AND RECREATION

GENERAL UPRR NOTES	BRIDGE FOUNDATION PLAN	ABUTMENT DETAILS 1	ABUTMENT DETAILS 2	TRAIL CROSS SECTIONS	SURVEY CONTROL	RIGHT-OF-WAY MAPS	PLATES & BORING LOGS	

GENERAL UPRK NO LES BRIDGE FOUNDATION PLAN ABUTMENT DETAILS 1 ABUTMENT DETAILS 2	TRAIL CROSS SECTIONS	SURVEY CONTROL RIGHT-OF-WAY MAPS	PLATES & BORING LOGS	
BRIDG BRIDG ABUTA ABUTA	TRAIL	SURVE	PLATE	

71-72 73	74-119	
SURVEY CONTROL RIGHT-OF-WAY MAPS	PLATES & BORING LOGS	

UPRR PROJECT INFORMATION
1. MRIE POST SIGN des SANTA BARBARA SUB, CARPINTERIA, CA
2. LATITUDE: 347248.18vv. LONGITUDE: 119°2857.20vv
3. UNION PACIFIC DOT VIUMBER 444.148Y





GNE

ABBREVIATIONS AND LEGEND S-01

|--|

148Y	S-01	Al and All and	119
UPRR PRO	423/21	MP 380	200

ABBREVIATIONS AND LEGEND	48Y 8-0
CARPINTERIA RINCON MULTI USE TRAIL	4411 UPAR PAG 0423/21

<u>=</u>	
ions lete	
Abbreviation for complet	
Abbre	
and /	
# #	
Standa	
۰.0	
Selected	
See C	
(S	

Quantity	Reinforcement	Relocate	Retaining	Revised	Rock Slope Protection	Right	Right of Way	Salvade	Subgrade	Sheet	Superelevation Rate	Special/Specification	Station	Standard	Structure	Sidewalk	Sewer	Top of Curb	Traffic Control Box	Temporary Benchmark	Top of Grade/Top of Grate	Top of Creekbank	Telephone Pole	Transition	Top of Wall	Typical	Unless otherwise noted	Valve	Variable	Vartical Curve	Width	Waep Hole	Wire Mesh/Water Meler	Wing Wall	Wing Wall Layout line			
ďα	Reinf	200	Ret	Rev	RSP	ž	RW	Salv	SG	SH	SR	Spec	Sta	Std	Str	SW	S	5	TCB	TBM	TG	Top	ī	Trans	ΑL	ΑŁ	Non	>	Var	ΛC	8	WH	W	WW	WWLOL			
Hinge Point High water mark	Irrigation	Junction	Joint	Length	Layout line	Lumpsum	Left	Maximum	Metal Beam Guard Rail	Manhole	Minimum	Miscellaneous	Modify	Not to scale	Northing	Obliterate	Overcrossing	Outside Diameter	Original Ground	Overhead	Out-to-out	aßed	Pull box	Point of curvature or Precast	Pt of compound curvature	Pedestrian	Permeable Material	Profile Grade	Point of Intersection	Property Line	Point on Curve	Point on Tangent	Point of Reversing Curve	Plans, Specifications & Estimate	Pre-Stressed	Pre Stressed	Point of Tangent	Point of Vertical Intersection
H		벌	≒	_	이	LS	ĭ	Max	MBGR	¥	Min	Misc	Mod	NTS	z	oblr	8	00	90	F	9	Д	8	2	PCC	Ped	Perm Mil	P _G	ਾ	P/L	Poc	PoT	PRC	PS&E	PS	P/S	Ы	PA
Drivaway Easting	Easement	East Bound	End of Curve	End of Curb Return	Existing Ground	Edge of Dack	Edge of Pavement	Edge of Shoulder	Engineered Stream Material	Edge of Traveled Way	End Vertical Curve	Excavate	Existing	Expansion	Expansion Joint	Exterior	Frame and Cover	Frame and Grate	Foundation	Flared End Section	Filter Fabric	Finished Grade	Fire Hydrant	Figure	Flow Line	Face of Concrete	Finished Surface	Faoting	Gauge	Grade Break	Grading Plane	Galvanized	Guard Railing	Gutter	Height	Hour	Headwall	Horizontal
Dwy	Ease	8	S	ECR	9	EOD	<u>a</u>	ន	ESM	<u>₽</u>	EVC	Š	Exist	ă	Exp 7	ă	F&C	F&G	臣	FES	H	5	E	문	근	F0C	S	Fig	Ša	GB	9	Galv	8	ซี	I	Ä,	¥	Horz
Aggregate Base Abandon	Abutment	Asphalt Concrete	Adjust	Angle Paint	Beginning of Bridge	Beginning of Curve	Beginning of Curb Return	Begin	Building	Bench Mark	Bottom	Bridge	Bearing	Beginning of Vertical Curve	Bottom of Wall	Cable Anchor Assembly	Center-to-center	Channel	Cast-iron	Cast In Drilled Hole	Cast in place	Cast in Steel Shell	Chain Link	Class	Centerline	Clear	Corrugated Metal	Column	Concrete	Catch Point	Creek	Depth	Degree	Detail	Orainage Inlet	Diameter	Diaphragm	Distance
Abn	Abut	AC	Adj	AP	88	28	BCR	Beg	Bldg	BM	Bot	5	Brg	BVC	BW	CAA	ပ္	Chr	ū	당	d C	CISS	占	0	5	ਹੋ	CM	පි	Conc	<u>6</u>	ວັ	۵.	Deg	o et	ā	Dia	Diaph	Dist

S. L. CARPINTERIA RINCON MULTI USE TRAIL

'S 09E

B. ERECTION OVER THE RAILROAD'S RIGHT-OF-WAY SHALL BE DESIGNED TO CAUSE NO INTERRUPTION TO THE RAILROAD'S OPERATION, EMBLING THE TRACK(S) TO REMAIN OPEN TO TRAFFIC PER THE RAILROAD'S REQUIREMENTS, 7. RAILROAD REQUIREMENTS DO NOT ALLOWWORK WITHIN SO FEET OF TRACK CENTERLINE WHEN A TRAIN PASSES THE WORK SITS AND ALL PERSONNEL MUST CLEAR THE AREA WITHIN 25 FEET OF THE TRACK CENTERLINE AND SECURE ALL EQUIPMENT.

10. FOR RAILROAD COORDINATION PLEASE REFER TO THE RAILROAD MINIMUM REQUIREMENTS AS PART OF SPECIAL PROVISIONS.

8, FALSE-WORK CLEARANCES SHALL COMPLY WITH MINIMUM CONSTRUCTION CLEARANCES. 9. ALL PERMANENT CLEARANCES SHALL BE VERIFIED BEFORE PROJECT CLOSING

5. ALL DEMOLITIONS WITHIN THE RAILROAD'S RICHT-OF-WAY ANDIOR DEMOLITION THAT MAY IMPACT THE RAILROAD'S TRACKS OR OPERATIONS SHALL BE IN COMPLIANCE WITH THE RAILROAD'S DEMOLITION GUIDELINES,

4. ALL SHORING SYSTEMS THAT IMPACT THE RALLROAD'S OPERATIONS ANDIOR SUPPORTS THE RALLROAD'S EBIPROARTS THE RALLROAD'S EBIPROARTS RALLROAD GUIDELINES FOR TEMPORRAY EBIPROMS.
SHORING, 3. THE CONTRACTOR MUST SUBMIT A PROPOSED METHOD OF EROSION AND SEDIMENT CONTROL AND HAVE THE METHOD APPROVED BY THE RAILROAD.

2. THE ELEVATION OF THE EXISTING TOP-OF-RAIL PROFILE SHALL BE VERIFIED BEFORE BEGINNING CONSTRUCTION, ALL DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE RAILROAD PRIOR TO CONSTRUCTION. 1. THE PROPOSED GRADE SEPARATION PROJECT SHALL NOT INGREASE THE QUANTITY AND/OR CHARACTERISTICS OF THE FLOWIN THE RAILROAD'S DITCHES AND/OR DRAINAGE STRUCTURES.



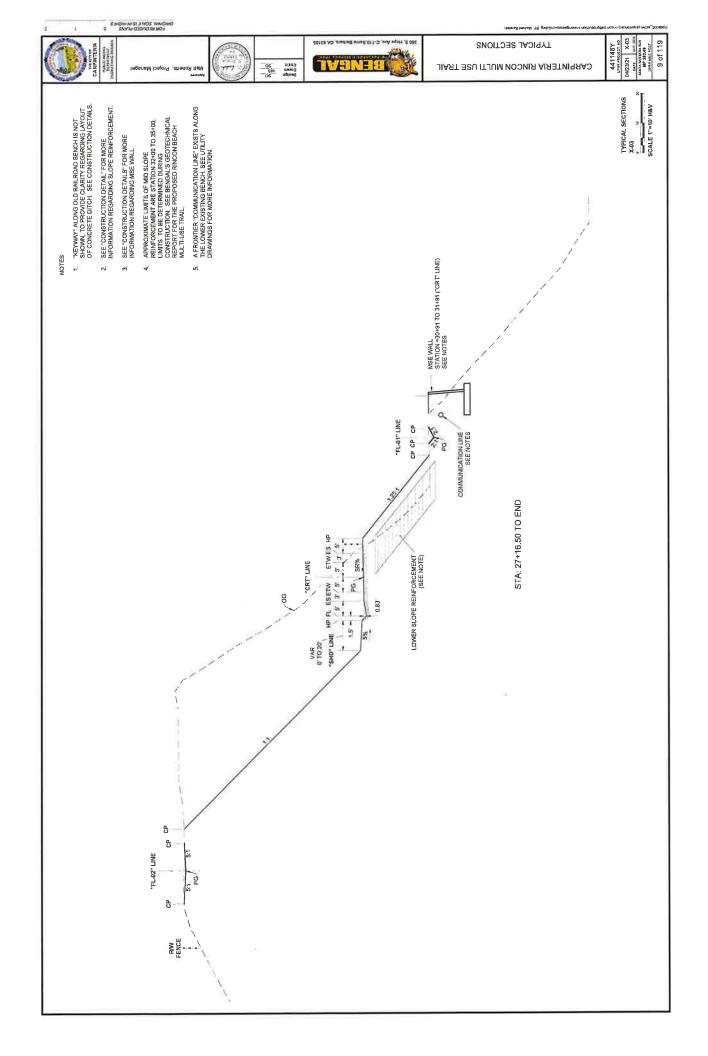
	Hope Ave. C-110 Sente Berbera. CA 93105
CS P.R4D Dulwu WB Desplu SO	BENEAL

3 of 119

GENERAL UPRR NOTES

SEGMENT D LIG LIG

SEGMENT S



50

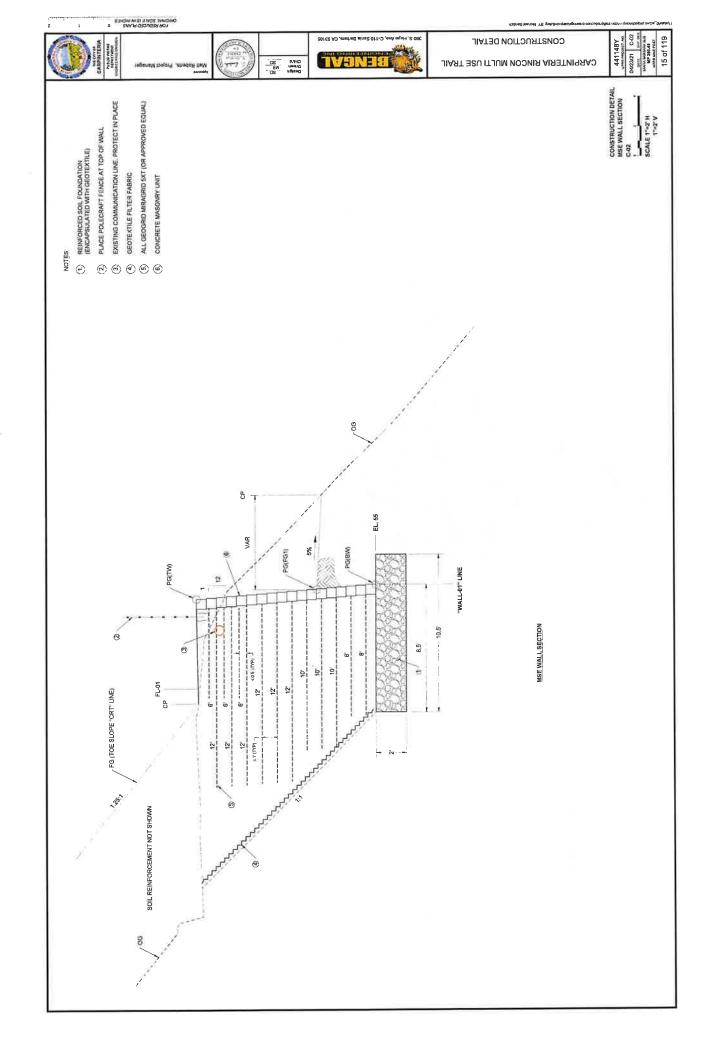
2

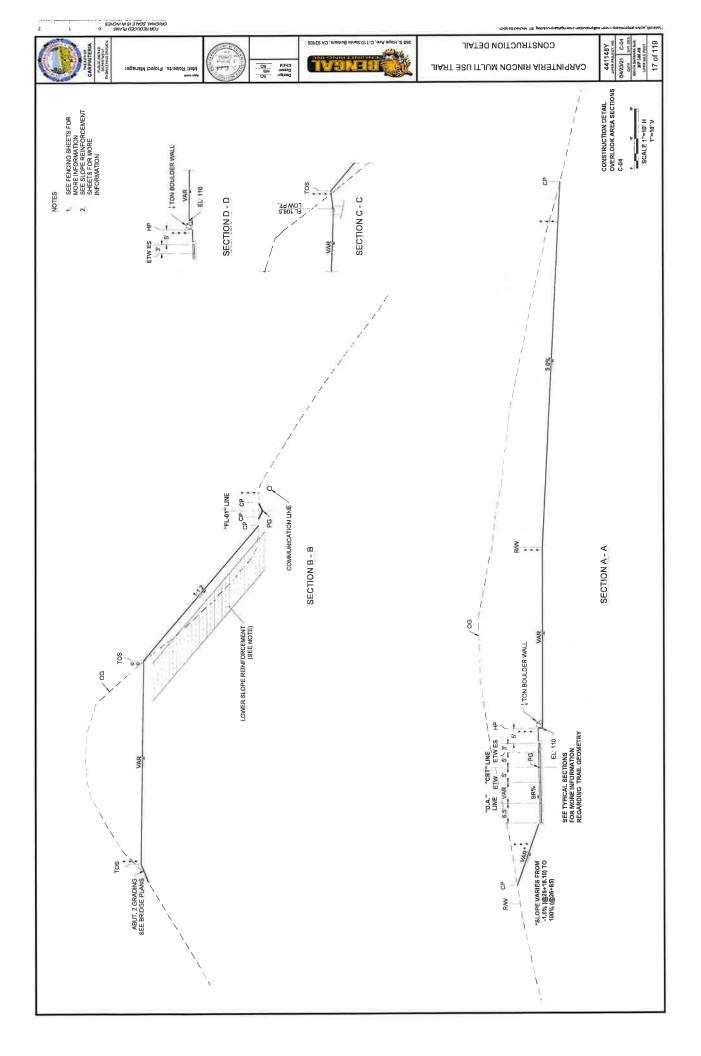
8

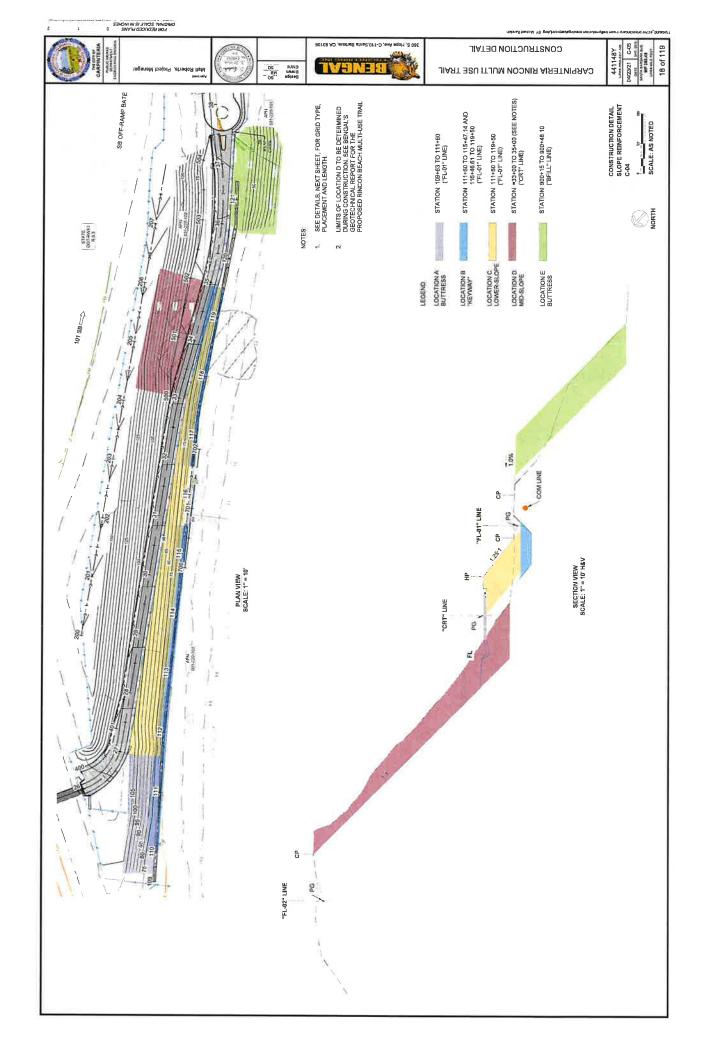
8

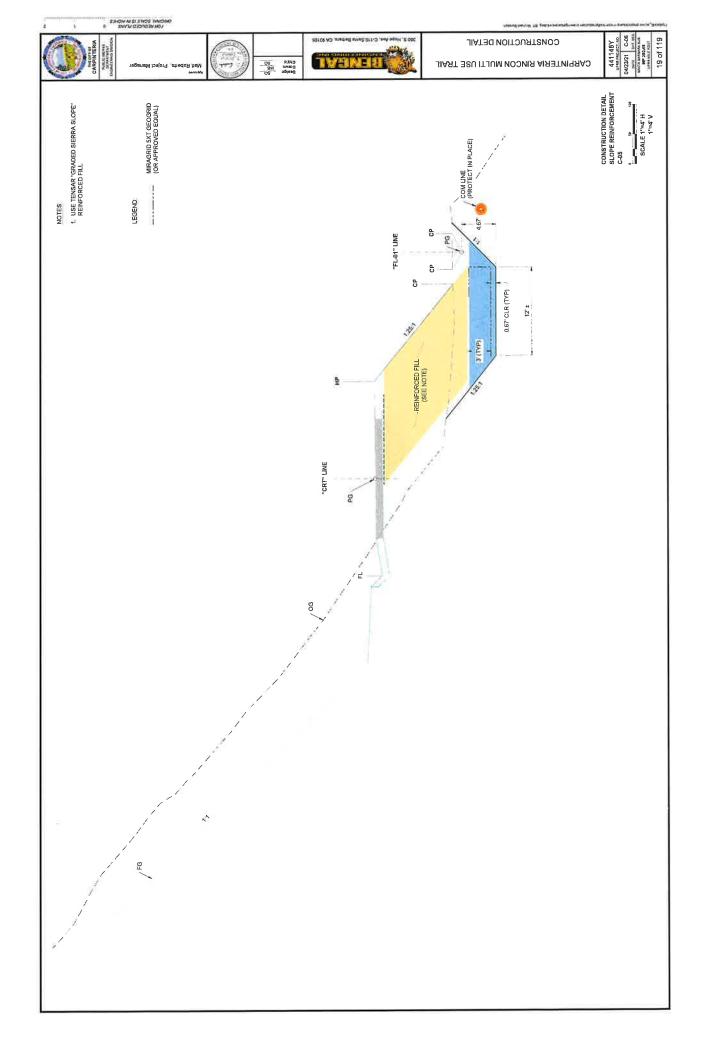
00

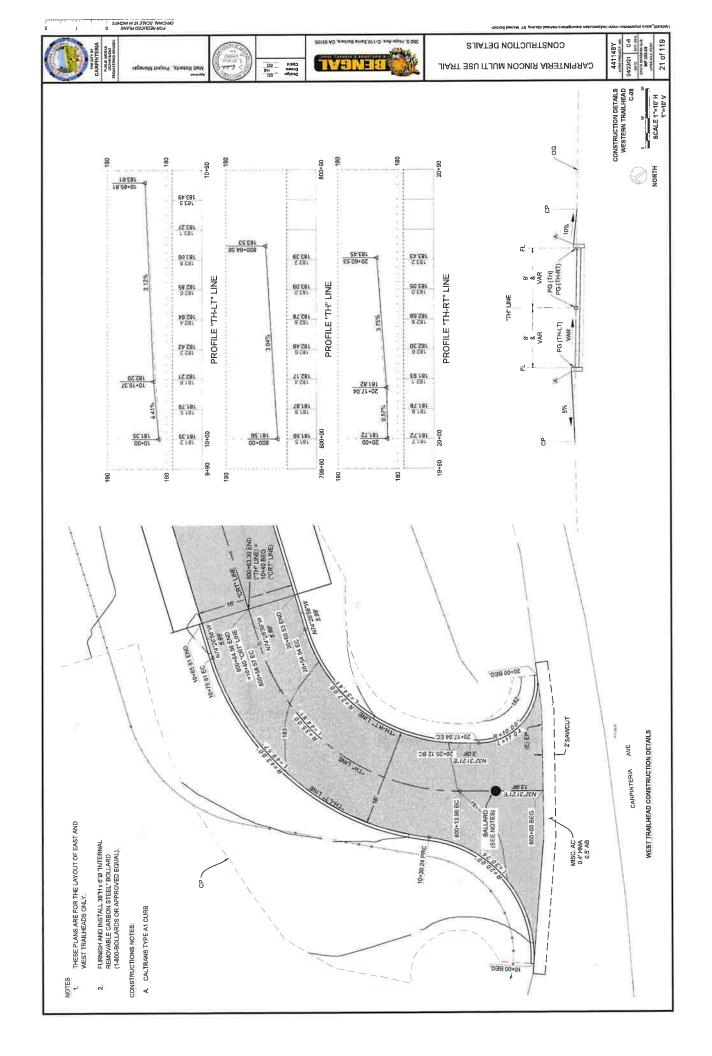
700+50

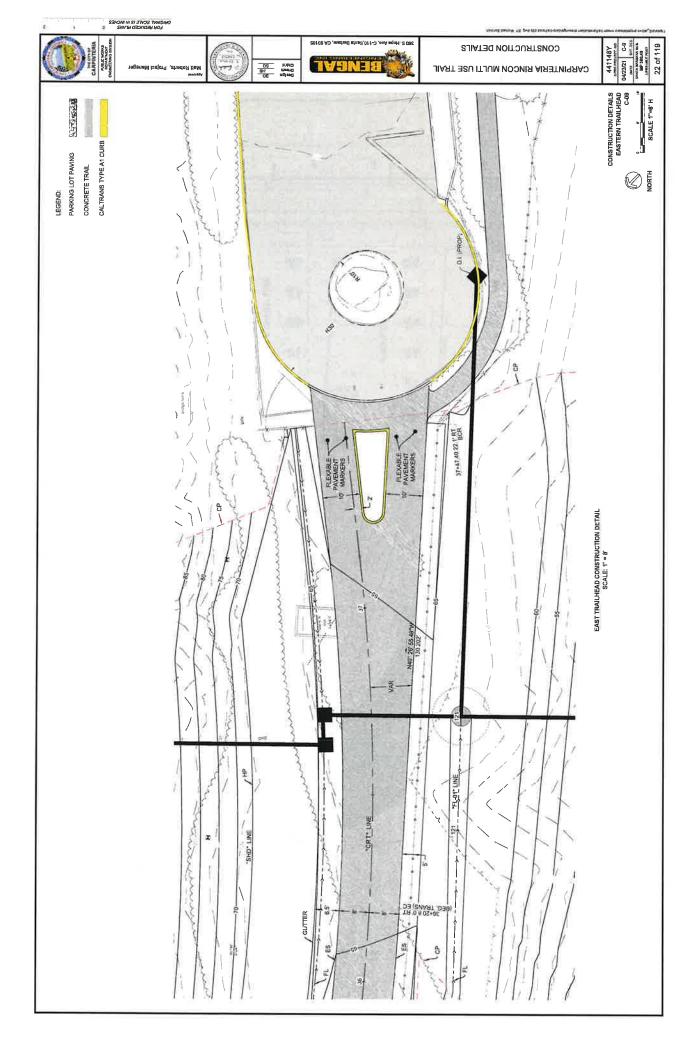


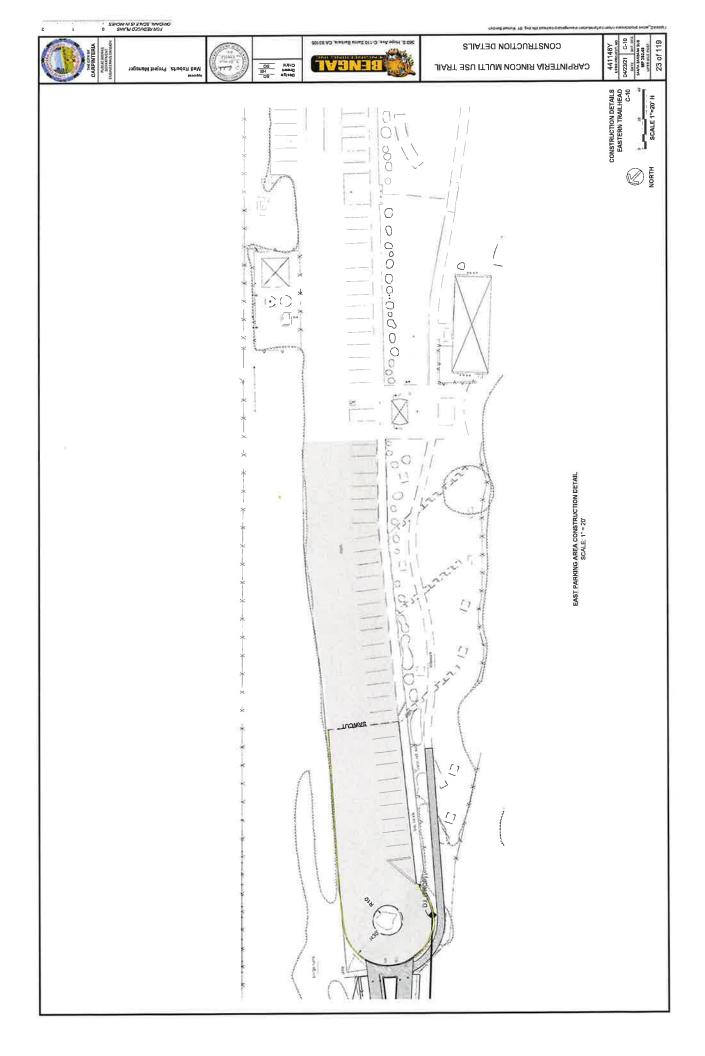


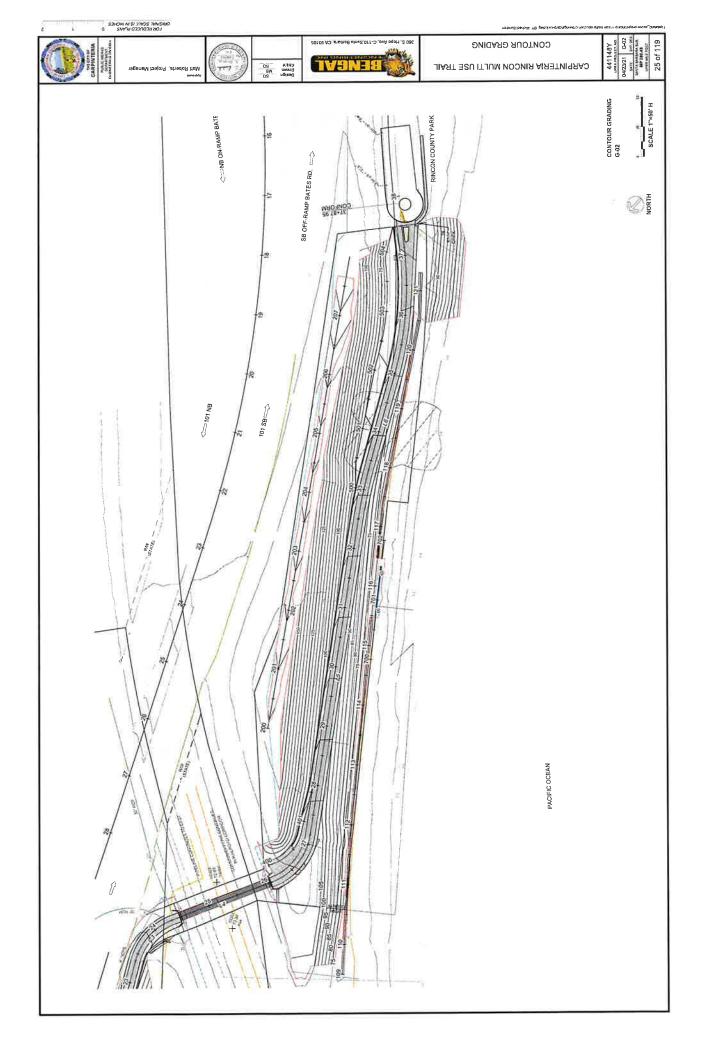
















CARPINTERIA RINCON MULTI USE TRAIL

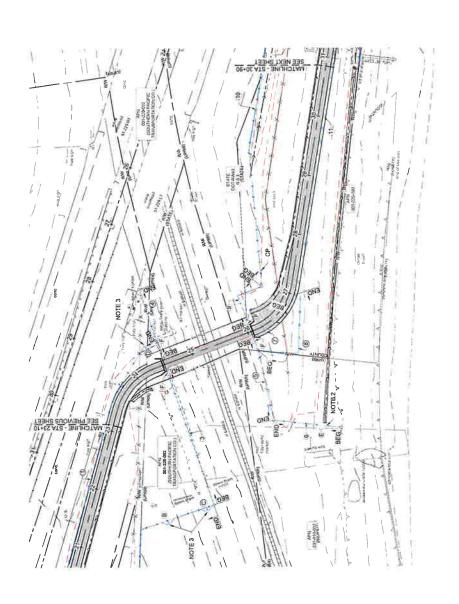
441148Y

1042321 F-02

1042321

SCALE 1"=50" H FENCE PLAN





CA REAL PERSONS THE STATE OF TH







CARPINTERIA RINCON MULTI USE TRAIL

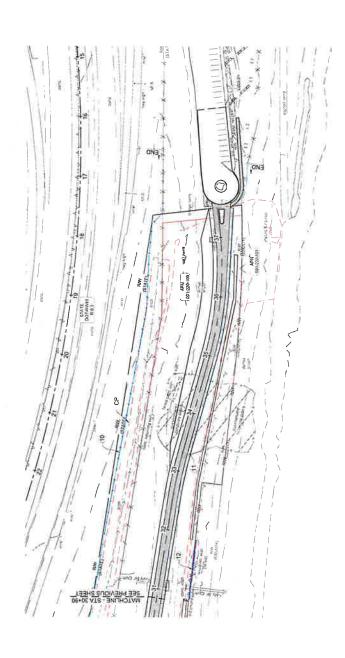


FENCE PLAN

"""

SCALE 1"=50' H





CARPINTERIA RINCON MULTI USE TRAIL



Leitharra, CA 93105				١.
DIRECT CONTRACTOR	HIN	ttobe.		
THE WALL STATE	m.e.		200	104







FENCE PLAN

* th two



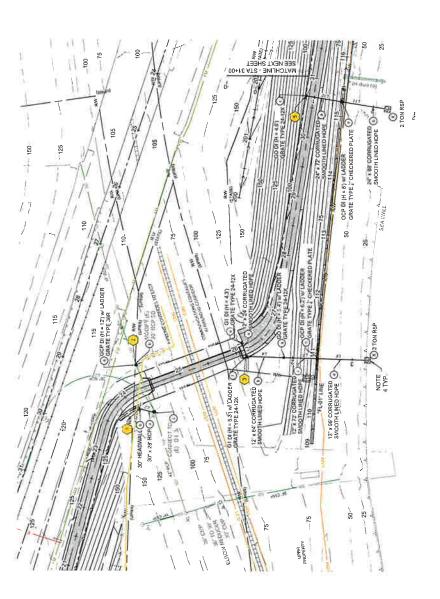
	MAYK GELE 4, MIDE 4, MIDE (LABE CI- e) 76, MIDE CI GELE 16, MIDE CI GELE CI GELE 15, MIDE (LOFE CEVELE 15, MIDE MOOD LERCE	LF EA EA EA							45	175			1170	100	1	1		1	1	4		
	FENCE (TYPE CL-8)	E.			240	125	80				100											-
	FENCE (TYPE CL-6)	5	1450	1150				110				1135										The second second
FENCING QUANTITIES	DESCRIPTION		LEFT OF TRAIL- WEST TRAILHEAD END TO BRIDGE	RIGHT OF TRAIL - TRAILHEAD ALONG TOP OF SLOPE TOWARD RAILROAD	RIGHT OF TRAIL - ALONG TOP OF SLOPE ABOVE RAILROAD TOWARD BRIDGE FOUNDATION	LEFT OF TRAIL- ALONG TOP OF SLOPE ABOVE RAILROAD TOWARD HIGHWAY	RIGHT OF TRAIL - FROM BRIDGE FOUNDATION TO EDGE OF OBSERVATION AREA	RIGHT OF TRAIL - FROM OBSERVATION AREA DOWN SLOPE TO ORIGINAL BENCH	RIGHT OF TRAIL - FROM BRIDGE BETWEEN TRAIL AND OBSERVATION AREA	RIGHT OF TRAIL - OUTSIDE OBSERVATION AREA	LEFT OF TRAIL - FROM BRIDGE FOUNDATION ALONG RIDGE	LEFT OF TRAIL - ALONG TOP OF RIDGE TOWARD RINCON PARK	RIGHT OF TRAIL - ALONG SHOULDER OF TRAIL TOWARD RINCON PARK	RIGHT OF TRAIL - AT TOP OF MSE WALL	RIGHT OF TRAIL - STA: 16+85 OFFSET: 114.5'	RIGHT OF TRAIL - STA: 21+79 OFFSET: 128.5'	RIGHT OF TRAIL - STA: 22+17 OFFSET: 185.5"	LEFT OF TRAIL - STA: 24+31 OFFSET: 34.5'	RIGHT OF TRAIL - STA: 26+62 OFFSET: 120'	AT BRIDGE CORNERS	MODIFIED GATE & TRAIL OPENING AT ENTRANCE TO RINCON PARK FROM BATES ROAD	
	FENCE / GATE ID		-	2	m	4	'n	٥	7	80	6	10	11	12	4	60	U	۵	ш	ц.	₽.	

Mett Roberts, Project Manager



DRAINAGE PLANS CARPINTERIA RINCON MULTI USE TRAIL SCALE 1"=50" H DRAINAGE - 01







- 2 E 4

THESE PLANS ARE APPROVED FOR THE LAYOUT AND CONSTRUCTION OF THE DRAINAGE FACILITIES ONLY. EXISTING DRAINAGE SYSTEMS ARE NAMED ACCORDING TO THE 1988 CALTRANS DRAINAGE PLANS (SEE RECORD DRAWINGS).

FOR COMPLETE RIGHT OF WAY INFORMATION, SEE MAPS IN THE CITY OFFICES.

APPROX.10-FOOT X 10-FOOT PAD OF 2 TON RIP RAP AT OUTFALL OF DRAINAGE SYSTEMS 3, 5, 6, 87,

Wall Roberts, Project Menager

CARPINTERIA RINCON MULTI USE TRAIL

DRAINAGE PLANS

441148Y

URAR PROLECT NO

D4723/21 D-02

DATE PROLET NO

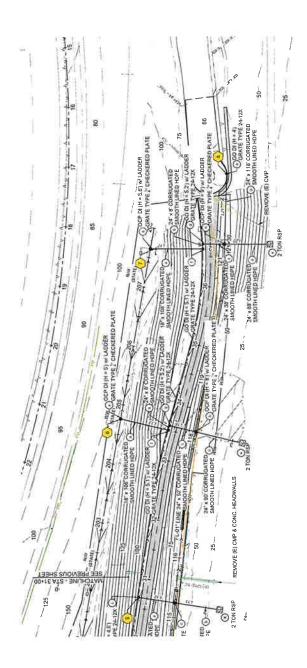
WAS SANDON SUE

MP 310.46

31 Of 119 SCALE 1"=50' H DRAINAGE - 02







TYDNEE

OS SH OS CPF,q Dramu Desilau

NOTES

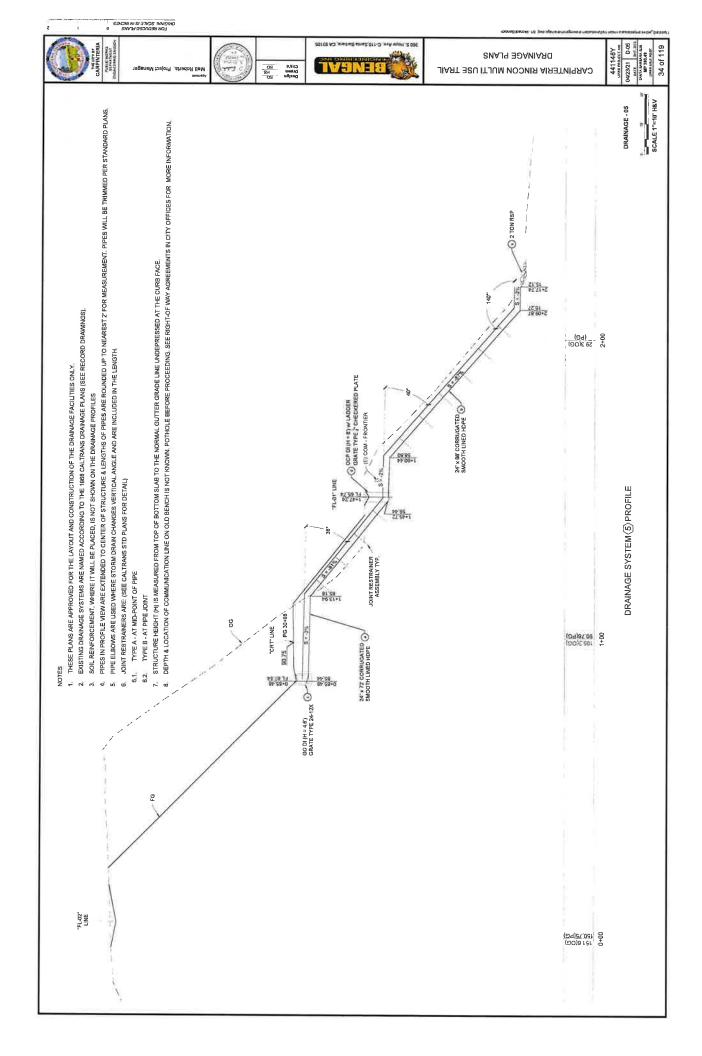
2 8 4

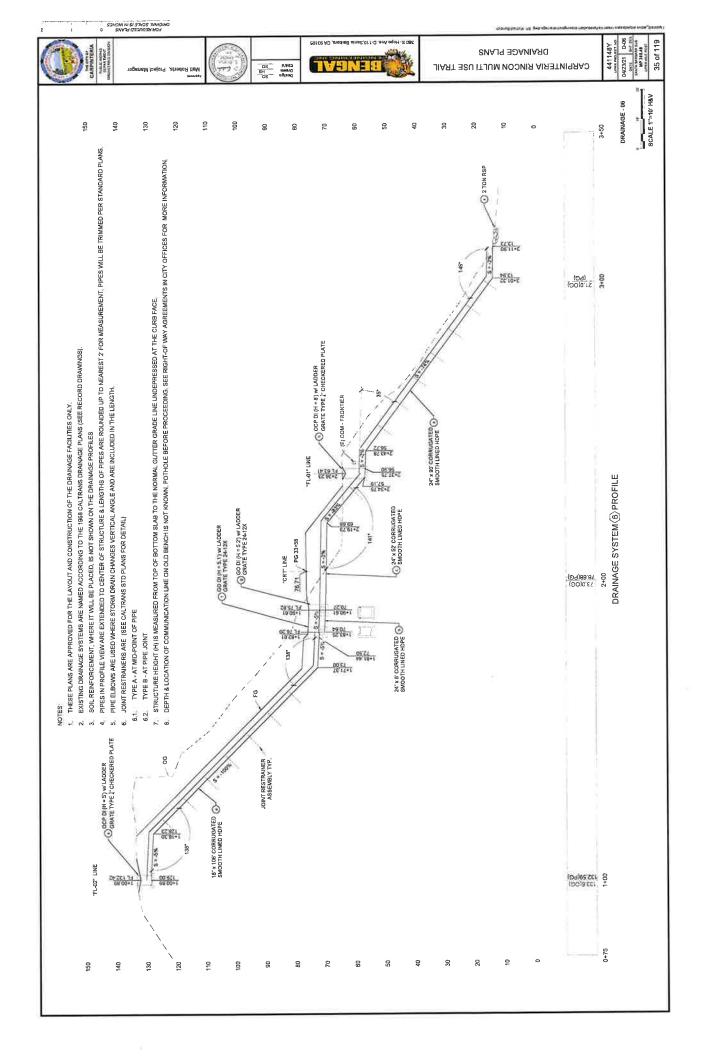
THESE PLANS ARE APPROVED FOR THE LAYOUT AND CONSTRUCTION OF THE DRAINAGE FACILITIES ONLY, EXISTING DRAINAGE SYSTEMS ARE NAMED ACCORDING TO THE 1968 CALTRANS DRAINAGE PLANS (SEE RECORD DRAWINGS),

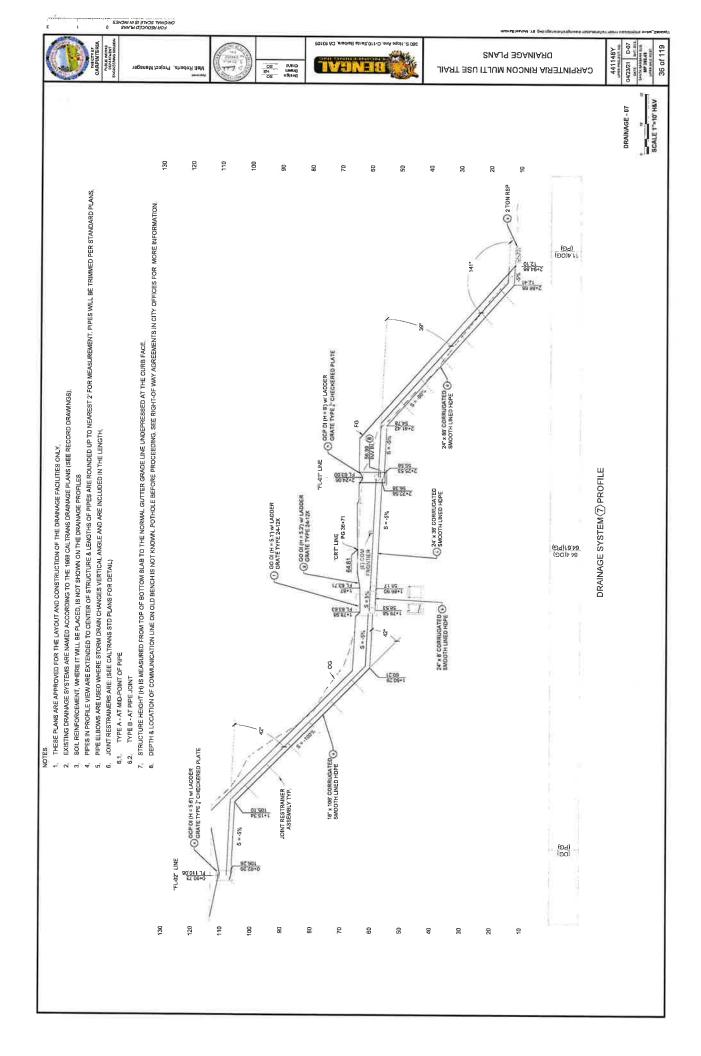
FOR COMPLETE RIGHT OF WAY INFORMATION, SEE MAPS IN THE CITY OFFICES,

APPROX; 10-FOOT X 10-FOOT PAD OF 2 TON RIP RAP AT OUTFALL OF DRAINAGE SYSTEMS 3, 5, 6, 87,

6.1 62,









CPK4 20 Dummu H2 Desilitu 20

START STATION NORTHING: EASTING LENGTH DIELTA END STATION END NORTHING END EASTING 1+00.089 1883330.72 6114723.58 81.72 580*11*37.43*79* 1+82.61 185239.10 611472.67

DRAINAGE SYTEM 6

6114722,67 6114726,45 6114686,88 6114621,41

1963283 04 1963260 36 1963222 87

1+82.61 1+90.61 2+36.23 3+11.67

\$50° 10° 33.87°E \$50° 10° 31.93°W \$50° 12° 08.30°W

185330,72 614783.58 81,72 6 1953290.10 614722.67 8.00' 6 1863283.04 8114728.45 45.81 6 195326,05 8114488.88 75.44 8

1+00.89 1+82.61 1+90.61 2+36.23

SEGMENT ID L13 L14 L15



441148Y
WHR PROLECT.NO
042321 D-09
WH 38048

DRAINAGE - 09

DRAINAGE SYSTEM 1

ID ID	START STATION	START	START	LENGTH	DIRECTION/ DELTA	END STATION	ND STATION END NORTHING	END EASTING
7	1+00.00	1964097.82	6114406.25	22 39	2 6114406.25; 22.39 S61.06.40.08"W	1+22 39	1964087.00	6114385.64

DRAINAGE SYSTEM 5

SEGMENT	START STATION	START	START LE	LENGTH	DIRECTION	END STATION	END STATION : END NORTHING END EASTING	END EASTING
0	0+85,49	1963526.74	6114567,62	61,75	1963526.74 6114567.62 61.75' 555' 26' 47.78'W	1+47.24	1963491,72	6114516.76
=	1+47.24	1863491,72	6114516.76	71.49	863491.72 . 6114516.76 . 71.49 . S55* 27.27.65*W	2+18.74	1963451.18	8114457.87

DRAINAGE SYSTEM 2

EM 2	START	6114461,32
SE SYST	START	1964049,15 6114461,32
DRAINAGE SYSTEM 2	START STATION	1+00

			2	MAGE	DRAINAGE STOLEM 3			
SEGMENT	START STATION	START	START	LENGTH	DELTA	END STATION	END STATION END NORTHING END EASTING	END EASTING
2	1+00.00	1963900 67	6114358 40	22 80.	6114358.40 . 22.80" No. 33:17.79"W	1+22 80	1963910.46	6114337.81
3	1+22.80	1963910.46	6114337.81	18,63	S47' 55' 48 31"W	1+86.61	1963867.71	6114290.45
57	1+86.61	12 23867 71	6114290.45	54.90	S47*55' 19 65"W	2+41.51	1963830 92	6114248.70
5	2+41.51	1963830 92	1963830 92 6114249 70 79 49	79.49	S47* 55' 32,67'W	3+21.00	1963777.66	6114190 70

DRAINAGE SYSTEM 7

SEGMENT	START STATION	START		LENGTH	DIRECTION/ DELTA	END STATION	END NORTHING END EASTING	END EASTING
117	0+80,73	1963089.91	6114952.72	88.27	S	1+79.00	1963029 55	6114668.30
L18	1+79.00	1963029 55	963029 55 6114688.30	8 00,	S45" 23" 07. 82" E	1+87,00	1963023 93	6114894 00
119	1+87.00	1963023 93	6114894.00	37,06*	\$45' 44' 07,18'W	2+24.06	1962898 53	6114867.01
120	2+24 D6	1862998 53	862998 53 6114867 01	70.64"	W28 N 22 348	2+94.70	1962950.28	6114815.41

	END STATION END NORTHING END EASTING	2+42 84 1962910 45 6114945 30
RAINAGE SYSTEM 8	DELTA	962899 53 6114667 02 117 84' \$41' 37' 48.49"E 2+42 84
INAGE	LENGTH	117.84" \$41*3
UKA	START	6114867.02
	START	1962898 53
	START STATION	1+25 00
	SEGMENT	5



1	SOLOS AD JEST CHID Same Barbara, CA 90105
1	
1	
1	

		20102 AD Jenestiell atmoS-011-D JenA or
7)	CHKA 20 Duran HZ Desiâu 20	BENEVE

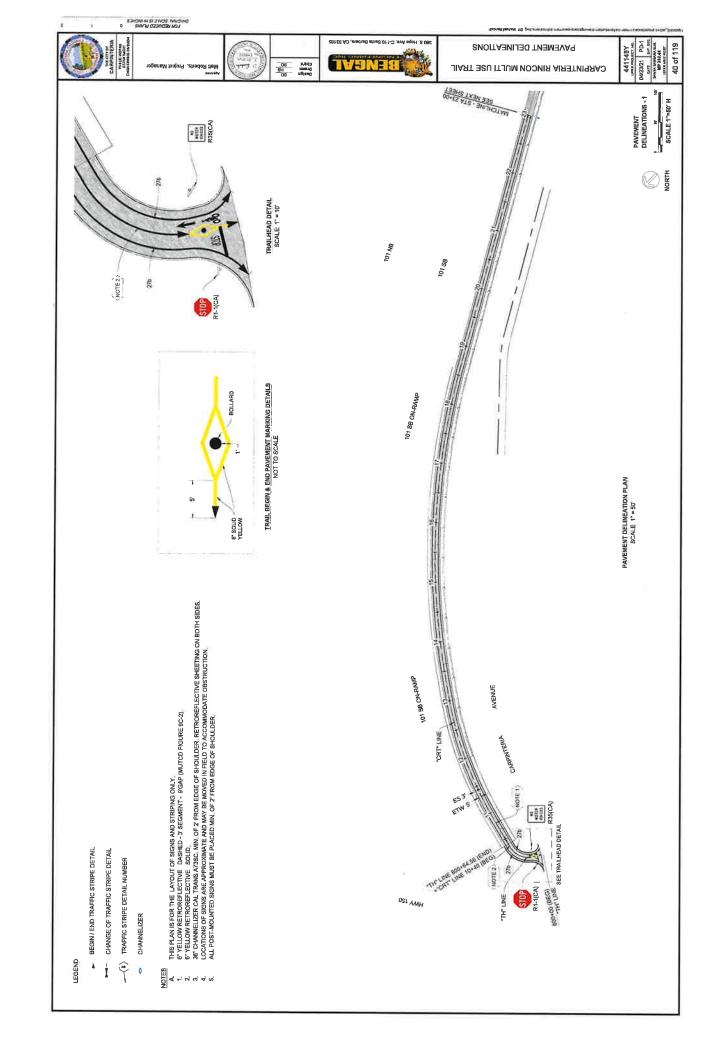
	OF PARS	201 Hippo Ave., C-110 Samta Bartava, CA 90105
1	CPIKA RO Dumuu HR Desidu RO	

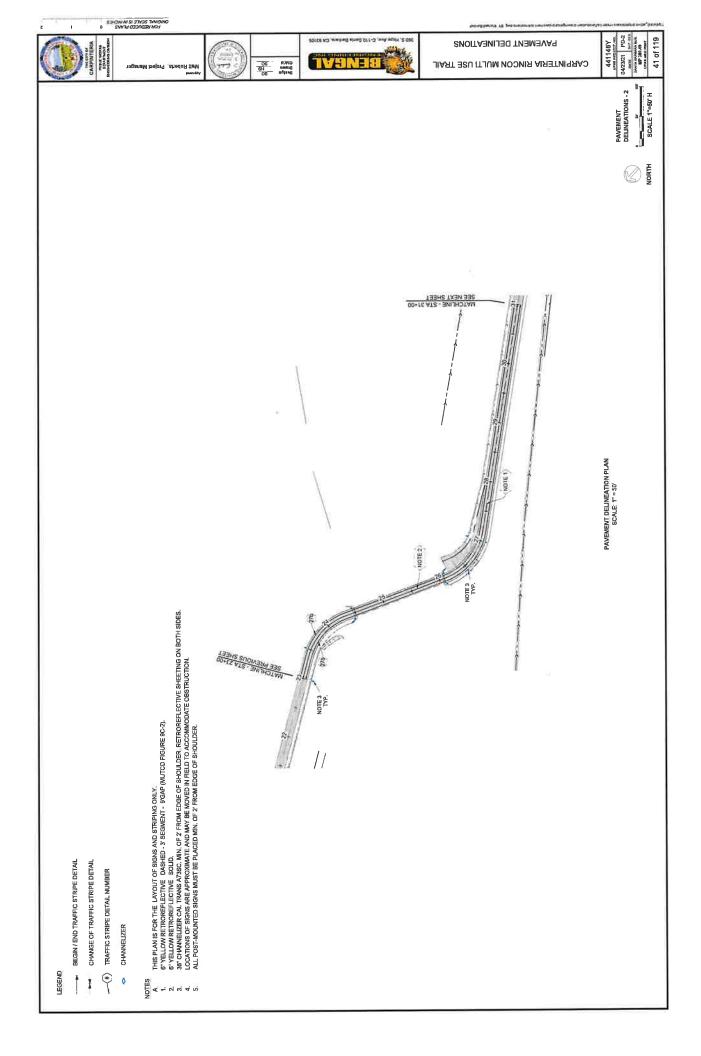
15 COC	
处	JIAAT E

DRAINAGE QUANTITIES	
ARPINTERIA RINCON MULTI USE TRAIL	/O

DRAINAGE - 10

	ркымесе этаты Иимвек		_	-			7	Ī					m				,	4	T		r.		T				9				T			7					00	I			
-	DBVIAVEE BEVA 2H	H	2	-			D-1	T								\dagger		1	1		D:1						D-2					_		D-2					D-2	T			
	TINU 30ANIARO		е .	9		e e		+	-	م					z	4		1			v	ъ	<	. e	٩		٥	_,		*		۵			-	00 4	×		4	٩	Ħ		
	DECCRIPTION & (CALTERANS STD PLANS SHEET B)		New York Control of the Control of t	30" SINGLE HEADWALL (DB9)		TYPE GCP (D758) w/ LADDER, GRATE TYPE 36R (D778)							TYPE G1 (D728), GRATE TYPE 24-12X (D778) TYPE G1 (D728)/ (ADDER GRATE TYPE 24-12X (D778)	TYPE GO (072E) W/ LADDER, GRATE TYPE 24-12X (0778)	TYPE OCP (D75B) w/ LADDER, GRATE TYPE OCP STEEL COVER (D75B)						TYPE GO (D72E), GRATE TYPE 24-12X (D77B)	TYPE OCP (D758) w/ LADDER, GRATE TYPE OCP STEEL COVER (D758)					TYPE OCP (D75B) w/ LADDER, GRATE TYPE OCP STEEL COVER (D75B)	TYPE GO (D72E) w/ LADDER, GRATE TYPE 24-12X (D778)	TYPE OCP (D758) W/ LADDER, GRATE TYPE OCP STEEL COVER (D758)					TYPE OCP (D758) w/ LADDER, GRATE TYPE OCP STEEL COVER (D758)	TYPE GO (D72E) w/ LADDER. GRATE TYPE 24-12X (D77B)	TYPE GO (D72E) W/ LADDER, GRATE TYPE 24-12X (D77B)	TYPE OLY (0/36) W/ LADDER, GRATE TYPE OLY STEEL COVER (0/36)			TYPE GO (D72E), GRATE TYPE 24-12X (D77B)			
(I	и) талит от навт	(41)				12							4.3	5.4	62						4.6	00					9	13	8 8					98	5.1	5.2				4			
IETAL	MISCELLANEOUS MI	(EA)				-	1							-								H					-	-	-					-	1		-			-	16		
,3113,	TRUCTURE CONCRI					-	1						-								1	1					,	-							-1	1				-	16		
313	н сомсы			-														not used																							1		
:	blbE EIBOM (N										1	,						ė į		-	7			7							,			2							100		
PLASTIC PIPE JOINT RESTRAINER ASSEMBLY CALTRANS STD	OTE 6 ON	(EA)																	,		3					~ .								4							13 25		
PIPE JOINT F	PROFILES	(EA)												L										7							u	-									1		
PLASTIC	PLANS	(EA)									9	30															-														562 1		
CORRUGATED SMOOTH LINER	de d	3			1														-	2/2	8		-		44	25	3				-	00	88	20					118		214 \$6		
GATED SMC	D878	(3)					1			1										-				106							900	PAT		1			-	-			256 23		
CORRU	Ē	(1)			-				45	2 29	2 22	96		L						1			-			-			+	H	-							-			28 2		
	OFTX10FT PAD	1		-	1		-	1	1	1	-		4	-			-			1				+		-	-			H											22		
	TON ROCK SLOPE	(TON		-		-	-		-	1	-					18	-	8		+			87	-			+		+	18	+	-	\parallel	+			91	9			-	51.2"	
DN	RANS STD PLANS D: NTZING EXISTIN UTCHON TRUCHON	9	-00-		-	-	+	-	+	-	-			-						1				-			-		+			-		+	-		-	+			1	TO NEARE	
71	NODIFY EXISTING 30 CP SD TYPE GCP CA	8		-	-			-	+	1				-						+	-			-		5				H		+			-	H	+	+				N LENGTH ROUNED UF EM	
	TIND 394NI486	0	Ц		-	1		٥	1	4					2.0	×				9	1	B	×	*e	۵		0	-	1	- *					9 -	GE .		×	H	q	-	INCLUDED II TITIES ARE! RATE BID IT	
#133	HS NAJ9 30ANIA#	+		7	-	-	0-1	-	-				D-1				-				2						D-2							_	7-0	_		+	2	+	5	*EIBOW USED & INCLUDED IN LENGTH DRAINAGE QUANTITIES ARE ROUNED UP TO NEAREST 2" (N) = NOT A SEPARATE BID ITEM	
	Matrys aganiar Rabnu		_	1			2						m					4	Ц		, L	<u> </u>				_	0	6						1	`_				°	•	TOTAL	*ELBO DRAIN (N) = N	





FOR REDUCED PLANS II

PAVEMENT DELINEATIONS

CARPINTERIA RINCON MULTI USE TRAIL

	8
123	111 -
	-20, 1
9	
_ 0	
2 F	- 1 -
PAVEMENT DELINEATIONS	SCALE
8 5	ill a
55	J 6
€ ⊞	1 00
<u> </u>	- 1
	91.

_	_	
	6	>
	W	/
	Fe	V

(V)

PAVEMENT	DELINEATIO	5 1	SCALE 1"
	V		NORTH

Q



Sheet Defal	ľ						ľ		
DETA NO DETA							- RE	RAFFIC STE TROREFLE	IIPE STIVE)
CASTOM CRT 10-49 CAL 11-6 CAL	ER BER	DETAL NO OR PAVEMENT MARKING	ALISNMENT	STATIO	NLMITS	LOCATION	8 inch SOLD WHITE	SOLD	6 Inch DASHED YELLOW (3' SEGMENT 9' GAP)
CUGITOM CRIT 10-109 100-10 CO. 40 CUGITOM CRIT 10-10 CO. 10 CUGITOM CRIT 10-10 CO. 10 CO. 10 CUGITOM CRIT 10-10 CO. 10 CO. 10 CO. 10 CUGITOM CRIT 10-10 CO. 10 CO.				BEGIN	END		5	4	5
Cuistrom Cht No-40 10-50 Cl.	17.	COSTOM	Æ	600-17	59+000	CL		87	
Cuistrom Chr 10-05 21-05 Ct.	77	CUSTOM	CRT	10+40		ช		10	
278	1.4	CUSTOM	CRT	95-01		ď			1250
278 CFF 10-40 23-50 LT 1280		278	H	800+00	-	17	59		
27B	7	278	CRT	10+40	-	17	1260		
278 GRT 104-00 23-00 RT 12550 23-00 23	5	278	TH.	800+00	800+65	H	65		
2.88 CRT 2.5400 31-00 LT 800 CAST 2.5400 31-00 CT 800 CT 8	7	278	CRT	10+40	23+00	RT	1260		
Custrom CRT 23-00 31-00 RT 800 34-0 Custrom CRT 23-00 31-00 CL 23-0 CL 32-0 CL	2	278	CRT	23+00	31+00	1.7	800		
CUSTOM CHT 23-400 78-90 CL 2550 Z28 CHT 28-60 21-90 CL 667 Z28 CHT 28-60 21-90 CL 667 Z28 CHT 28-60 21-90 CL 667 Z38 CHT 28-60 21-90 CL 7550 Z450 CHT 28-60 21-90 CL 7550 Z50 CHT 28-60 CHT 28	.,	278	CRT	23+00	31.00	18	900		
CLASTON CHT 26-50 31-50 CL		CUSTOM	CRT	23+00	28+50	ថ		350	
278 CRT 211-00 217-21 LT 6657 CRT 211-00 217-21 LT 6655 CRT 211-00 217-21 LT 6655 CRT 211-00 217-21 LT 6655 CRT 211-00 217-21 LT 11-21 LT 11-21 CRT 211-20 217-20 LT 11-21 LT 11-21 CRT 211-20 217-20 LT 11-21 LT 11-21 CRT 211-20 217-20 CRT 211-20 217-20 CRT 211-20 217-20 CRT 211-20 217-20 217-20 CRT 211-20 217-20 217-20 CRT 211-20 217-20 217-20 CRT 211-20 217-20 2	**	CUSTOM	CRT	26+50	31+00	20			450
2.78 CRT 21+00 27+05 RT 645 CRT 21+00 27+05 RT 645 CRT 24+00 27+05 LT 135 CRT 24+20 27+05 LT 135 CRT 24+20 27+05 RT 133 CRT 24+20 27+05 RT 133 CRT 24+20 27+05 RT 133 CRT 24+20	9	278	CRT	31+00	37+57	17	150		
UUMTUM CRT 31+50 30-50 Ct. 238 CT. 31+50 30-50 Ct. 315 CT. 34-50 37+50 RT 135 CT. 34-50 37+50 RT 135 CT. 350 CT. 34-50 37+50 RT 135 CT. 350 CT	9	278	CRY	31+00	37+55	FRT	959		E
22B CRT 24-50 27-55 Lt 135 CRT 24-50 27-55 Rt 135 CRT 24-50 27-55 Rt 133 CRT 24-50 27-55 Rt 133 CRT 24-50 Rt 135 CRT 24-50 Rt	•	CUSTOM	CRT	31+00	36+20	3			520
10 CRT 34-20 37-53 RT 133 (ARCIACISE) (ARCIACISE) 98330 408		278	CRT	38+20	37+55	15	135		
5530 408	2	278	CRT	36+20	37+53	RT	133		
8930 408		TOTALS							
	3	ROUNDED					5630	408	2220

		ASSESSED MANAGEROUNNIES	DOWNER OF THE PERSON	DOADONE GEN. DOCT	Tot	OBITOTATIONEO
SHEET NUMBER	LOCATION	DESCRIPTION	SIGN POST	R1:1	R35	36" TALL CHANNELZER CALTRANS A73C
			វ	2	ង	5
PD-1	STA 10+00	NO MOTOR VEHICLES	-		-	
PD:1	STA 10+00	BIKE PATH STOP 18"X18"		•		
PD-2	STA 23-08	CHANNELIZER				*
PD-2	STA 23+00	CHANNELIZER				
PD-2	STA 23+50	CHANNELIZER				-
P0.2	STA 24-00	CHANNELIZER				-
PD-2	STA 24+46	CHANNELIZER				
PD-2	STA: 24+46	CHANNELIZER				-
PD:2	RIGHT OF CRT STA: 26+10	CHANNELIZER				-
PD-2	STA 28+10	CHANNELIZER				-
PD-2	STA 26+50	CHANNELIZER				*
PD-2	LEFT OF CRT STA 26+58	CHANNELIZER				-
PD:2	STA: 27+00	CHANNELIZER				-
PD 3	STA 37+25	CHANNELIZER				-
PD-3	RIGHT OF CRT STA: 37+58	CHANNELIZER				¥
PD-3	STA 37+60	CHANNELIZER				11
PD-3	RIGHT OF CRT STA 37+55	NO MOTOR VEHICLES	a.		-	
PO-3	RIGHT OF CRT	BKE PATH STOP 18"X18"		-		

BENEVI

CPK9 80 Dumu H2 Design SO

(CA)		
(CA)		PAVEMENT DELINEATION PLAN

		ă	VEMEN	PAVEMENT MARKING QUANTITIES	QUANT	TIES	
SHEET	BIKE 8.4	BIKE SYMBOL & ARROW	¥ ₹	AHEAD	MAR	STOP	STOP LMIT LINE
	THERM	WHITE	A MERW	WHITE	DHERM W	WHITE WHITE THERMOPLASTIC	WANTE THERMODIASTIC
	ğ	R	F S	- RS	F S	R	*
1-04							13
1.04	5	10.5					
PD-1			-	35			
PD-1					-	a	
1-04					-	ws	
PD-3					-	v.	
F0-3			-	15			
PD-3					-	9	
603	-	16.5					
P0-3							\$
503							
TOTALS	S						
GEGNOOHNO	OED	21		62		30	16

|--|--|

THESE LINES ARE SHOWN ON THE 2010 DRAWINGS FOR THE CONSTRUCTION NOW TO THE THE WAY CONTRACTORY SORDING TO ROLECT UTDOINGUIS, THE MEET US. IL LINES ARE SHOWN MEAR THE WAN'E OVERHEAD. THE LOCATIONS SHOWN ARE APPROXIMATE MATCHES TO THE FIELD MARKERS WE LOCATIONS SHOWN ARE APPROXIMATE MATCHES TO THE FIELD MARKERS WE

MARKADA BENGH, LEADWAT OR RICHOON COUNTY PARK, WE COULD SEE BOTH THE CONDUIT AND THE MANHOLES A CONG THE OLD BENCH BUT WE ARE UNSURE IF THE EXISTING PROVITER FACILITY WHICH TRAVELS WESTWARD PROM RINCON PARK IS THE SAME LINE AS "CRPRCAXF" SHOWN ON THE ATLAS MARS.

ALONG THE OLD RAILROAD BENCH, THE LINE IS VISIBLE AT SOME LOCATIONS AT THESE LOCATIONS IT APPEARS TO BE ABOUT 4-FEET DEEP

CONSTRUCT A SOIL RETAINING STRUCTURE BELOW IT AT ABOUT STATION 31+00. CONSTRUCT A SLOPE BELOW IT AT ABOUT STATION 36+50.

CONSTRUCT NUMEROUS STORM DRAINS UNDER THIS LINE

CONSTRUCT EMBANKMENTS ON TOP OF IT.

VENOCO RECORD DRAWING S2856-A-101 "PAREDON PROJECT: EXISTING 10-INCH PIPELINE ALIGNMENT", THIS DRAWING IS PAGE C-23 OF THE "PROPOSED FINAL BIR". BENGAL HAS ATTEMPTED TO FIND MORE DATA, BUT WITH THE BANKRUPTCY OF VENOCO WE WERE UNABLE TO REACH STAFF FROM

CALTRANS RECORD DRAWINGS FOR CONSTRUCTION ON STATE HIGHWAY, CONTRACT 07-260704, PROJECT 070000490, PAGE 205/757

DESIGNERS HAVE BEEN TOLD THAT THIS LINE IS "FULL OF WATER"

REFERENCE INFORMATION:

(SHEET U-16)

EXCAVATE NEAR/OVER THIS PIPELINE IN LOCATIONS. EXCAVATIONS MAY EXPOSE OR 'CUT' THIS LINE.

DEPTH OF PIPELINE IS UNKNOWN.

DEPTH

PROJECT WILL

2019 SPRINT RECORD DRAWING NTWRK416 EXCERPT FROM FIBER OPTIC ROUTE RECORD DRAWING

IN 2017 SPRINT PROVIDED A SKETCH. LOCATED FURTHER WEST,

HAVE NO EFFECT ON THIS FACILITY. EARTHWORK AND BRIDGE WORK WILL MUCH HIGHER ON SLOPE. NO CONSTRUCTION TRAFFIC WILL CROSS THIS LINE.

REFERENCE INFORMATION

THIS LINE FOLLOWS THE RAILROAD TRACKS ON THE "OCEAN SIDE"

LOCATION / ALIGNMENT

UNKNOWN PROJECT WILL: DEPTH

BECAUSE OF THE LIMITED DATA PROVIDED ON THE ATLAS DRAWINGS WE ARE UNSURE OF THE LOCATION OF THIS LINE;

LOCATION / ALIGNMENT

THIS LINE GENERALLY FOLLOWS THE CALTRANS, RIGHT-CHAWY, TRAVELING FROM RIGHT-CHAWY (OUTSIDE) OF STATE RIGHT OF WAY), TRAVELING FROM FWY 150. TOWARD THE "WAWE OVERHEAD" WHERE IT DESCENDS TO THE UPRR, THEN TRAVELS EASTWARD.

1. 10-INCH OIL PIPELINE (FORMALLY VENOCO-NOW CHEVRON) BELIEVED TO BE "ABANDONED".

GENERAL UTILITY NOTES

LOCATION / ALIGNMENT

4. FRONTIER COMMUNICATION LINE (ON OLD RAILROAD BENCH-LEADING TO RINCON PARK)

ACCORDING TO THE ATLAS MAPS, A FRONTIER FACILITY
NAMED-CRRPCAXF" LINE FOLLOWS THE AT'ST LINE FROM CARPINTERA
NAMED, CROSS COUNTRY TO THE UPRR, WHERE IT FOLLOWS THE ACTIVE UPRR
CORRIDOR TO THE EAST.

BUT IN JANUARY, 2019 FRONTIER MARKED A FIBER OPTIC LINE ON THE OLD

6. MCI & SPRINT FIBER SYSTEMS: IN UPRR CORRIDOR

UNKNOWN PROJECT WILL:

THIS LINE CONNECTS A GRAVITY SEWER, DRAINING WEST FROM THE INTERSECTION OF HAY TRIOGRAPHINETA AVE, WITH A PRESSURE SPACE LINE FROM A PUMPING PLANT IN RINCOLOUPT PARK, THE LINE GENERALLY FOLLOWS THE SOUTHBOUND SIDE OF THE FREEWAY, AND I LOCATED ABOUT 5-FEET BEHIND THE DIKE / EDGE OF SHOULDER.

AT&T RECORD DRAWINGS WT 129DN0687 AND 688.

THE PIPELINE IS SHOWN TO GENERALLY BE ABOUT 8-FEET DEEP, SKCEPT AT WAVE OVERHEAD!, WHERE IT BECOMES SHOUNGEN TO CROSS UPPR. FECORD DRAWINGS SHOW AS-BUILT DEPTHS WHICH VARY GREATLY.

PIPELINE IS SHOWN ON CSD DRAWINGS 15-1-3: DESIGNED BY PENFIELD AND SMITH FOR THE "SEPTIC TO SEWER CONVERSION PROJECT."

CROSS THIS PIPELINE IN VARIOUS LOCATIONS.

UTILITY CONFLICT PLANS

CARPINTERIA RINCON MULTI USE TRAIL

44114BY JOHN PROPERTY NO. 100 473321 NOTES 04/23/21









O6 SH OS























THE LANDWASS AROUND THIS EXISTING FACILITY IS FAILING IN SOME LOCATIONS. THIS IS THE REASON DESIGNERS PROPOSE TO BUILD THE RETAINING WALLS AND SLOPE REPAIRS TO SUPPORT THE RINDON TRAIL. THIS SLOPE INSTABILITY IS LIKELY ONE REASON THE RAILROAD WAS MOVED IN THE 1960'S.

DESIGNERS NOTE:

2. 6-NICH WATER PIPELINE: LATERAL 27-R-F: CARPINTERIA VALLEY WATER DISTRICT:

BEACON WEST WITH BETTER INFORMATION

THIS LINE ONCE CROSSED HWY 150 FROM CARPINTERIA AVE TO CAMINO CARRETA, EAST OF HWY 150

LOCATION / ALIGNMENT

"ABANDONED"

EXCAVATE THROUGH THE LOCATION OF OLD WATERLINE CVWD ATLAS MAPS PROVIDED IN APRIL, 2016, NAME THIS AS "ABANDONED LINE, LATERAL 27-R-F."

REFERENCE INFORMATION

UNKNOWN

PROJECT WILL

THE CONDUIT IS VISIBLE IN SOME LOCATIONS BECAUSE THE LANDMASS BELOW

AFTER THE RINCON TRAIL IS CONSTRUCTED, ACCESS TO THIS FACILITY WILL BE MORE DIFFICULT.

PERHAPS FRONTIER WOULD LIKE TO RELOCATE A PORTION OF THIS LINE TO FOLLOW THE RINCON TRAIL.

*FRONTIER UG UTILITY ATLAS MAP" (NOT MUCH DETAIL SHOWN) PROVIDED TO BENGAL IN 2017 & 2019.

REFERENCE INFORMATION

PIPELINE IS SHOWN AS 'ABANDONED' ON THE DRAWINGS FOR THE CONSTRUCTION ON STATE HIGHWAY, CONTRACT 07-260704, PROJECT 0700000490, PAGE 205/757 (SHEET U-16),

3. 4-INCH PRESSURE SEWER: CARPINTERIA SANITARY DISTRICT (CSD) "SEPTIC TO SEWER CONVERSION PROJECT"

LOCATION / ALIGNMENT

5. AT&T / PACIFIC BELL: IN UPRR CORRIDOR

LOCATION / ALIGNMENT

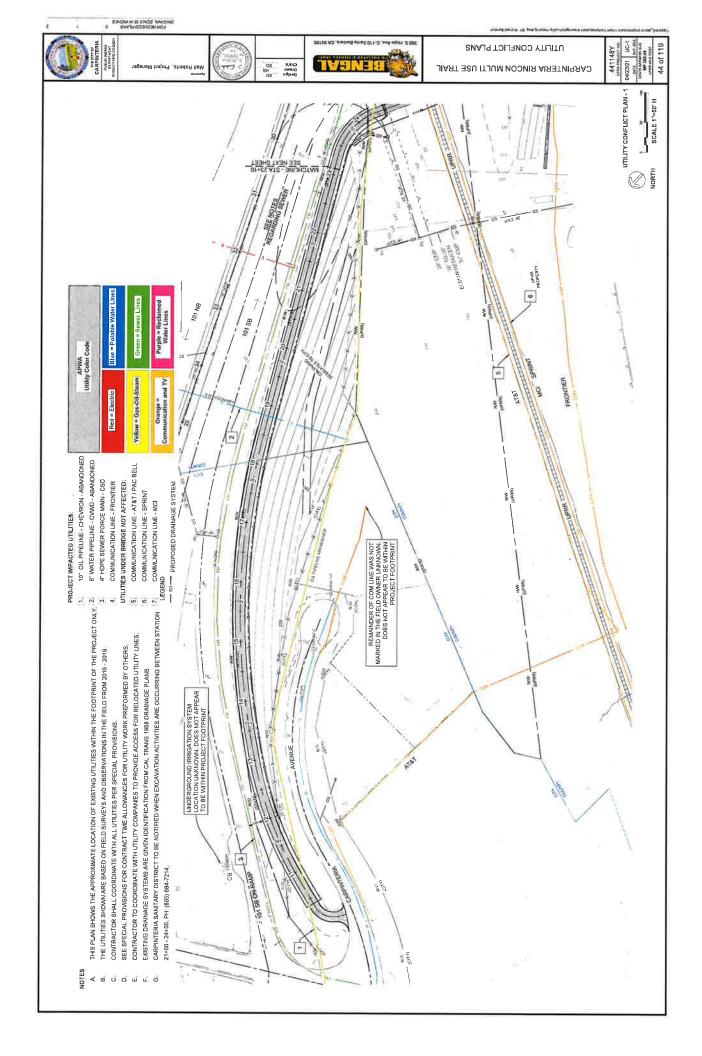
THIS LINE CONNECTS CROSS-COUNTRY FROM A POINT ON CARPINTERIA ARE EAST OF HWY 150, ACROSS PRIVATE BROPERTY AND THEN DOWN THE CUT SLOPE TO THE ABLICADA CORRIDOR WHERE THIS LINE THEN FOLLOWS THE RALIROAD THE BAST.

THE OLD 'WOOD SUPPORT STRUCTURE' WHICH WAS BUILT TO SUPPORT THIS FACILITY APPEARS TO BE FAILING AT ABOUT STATION 31+00.

43 of 119

GENERAL NOTES

UTILITY CONFLICT PLAN



UTILITY CONFLICT PLANS













PACIFIC OCEAN



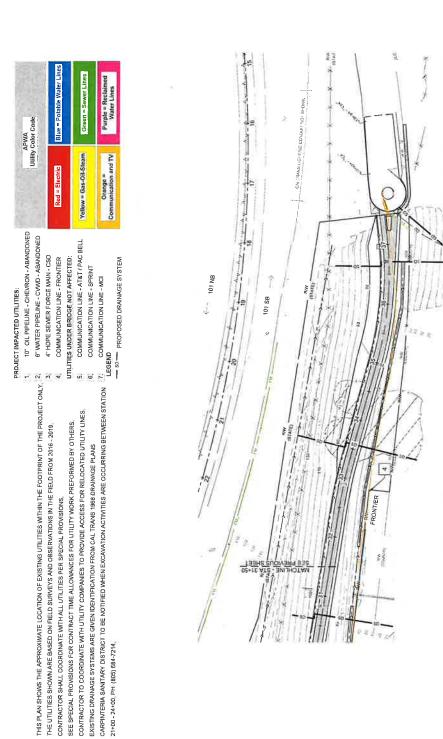
46 of 119













< m C C U U U U

PAVEMENT JOINT DETAILS - 1

Square Dowels supported by "Baskets".

The transverse prints are entired that flowels are similar to PNA-Brand Square Dowel Basket, shown on Drawing SDB-1

"IZ inch stgars a Stericise long.

"IZ inch stgars a Stericise flow.

"IZ inch stgars and stars a Stericise flow.

"IX inch stgars and stgars and stars a Stericise flow.

"IX inch stgars and stgars.

"IX inch stgars and s

Concrete Mix / Finish The concrete mix specifications and color are defined in the special provisions

Contractor's Concrete Placement Plan
The Contractor and submission contracts placement plans for approval by the the Engineer at least 14 Calendar days before each proposed pour. What may not proceed until this plan is approved.

The Key components of the cross section the (generally) 16-foot-wide trail. and (generally) 6.5-foot-wide concrete to the conformation of the conformation of the components of the cross section the (generally) 16-foot-wide trail. and (generally) 6.5-foot-wide concrete is the components of the cross section the (generally) 16-foot-wide trail. and (generally) 6.5-foot-wide concrete formation of the components of the cross section the (generally) 16-foot-wide trail.

Note the dicth concrete formation forming the components of the component of sequence down learn in basiciar (or transverse joints) and place downless in basiciar forming the control placement and placement in basiciar forming the control placement and placement of control placement and placement and placement and placement and control the additional or concrete which may be accidentally camaged so that the replaced concrete function to transverse placement or the replace portions of concrete which may a footed managed as that the replaced concrete foreity matches the texture, punits, final and colour of the adjoornal roliginals.

Placed at the spacing shown on the plans
 Placed at the spacing shown on the plans
 Completed within 4 hours of concrete placement
 Cut 2-inches deep

Concrete shall be treated with curing compound or cure-control measures (tarps, rugs, visquean) as defined in the special provisions. Curing compounds shall be appropriate for "colored concrete" when used on the such surfaces.

Second Concrete Pour-path wear surface

The Contractor

The Contract

Concrete placement for the wear surface shall clark "at the bindgo" and proceed away from bridge toward either trailhead.
The concrete pour for the Tabil hall but occur somether than 7 clarked days after the disch pour how the contractions and the contractions are suited by the concrete trucks shall enter the nite previously-constituted click.
Find to concrete placement Contractor shall place suit of survey reference stakes along the trail to allow dowel basket to be quickly and accurately placed at the intervals shown. These takes also idealify the center of the basket to the sawculting personal so they may accurately sawcut the joint after the basket is covered with concrete.

the sliding Square dowels are Similar to PNA-Brand Square Dowels, as approved by the Engineer, and shall have the following properties

- Dowels measure ½ x½ nnth x 184nches long.
 Dowels are haddpept dahanzad regard and an observation of the state of the state of the supported by baskets.
 Vertical pleasment of dowels dowels are signed nmt he midde—mick-height of the slab Ada spaced along the basket al 224-inch on centes (Transverse to the centeline of the bail)
- Sawcuts shall be completed within 4 hours of concrete placement, Sawcuts are 2-inches deep.

Ditch Plate Dowels
In the Month bewen the edge of pavement and the ditch are rainforced with Diemond-Shaped Plate Dowels similar to PNA-Brand
The monitor bowels, as approved by the Engineer.

These shall have the following properties.

A 5 inch 5, inchest-direct control of the shall be shal

Contractor shall have spare concrete sawing equipment on stand-by during cutting procedures.

300 S. Hope Ave. C-110 Same Barbara, CA 53105 OS SH OS CPR4 Duswii Dasjõu IVANIE

TINTED "DITCH CONCRETE"

PAVEMENT JOINT DETAILS CARPINTERIA RINCON MULTI USE TRAIL

PAVEMENT JOINT DETAILS - 2

On curves, the Joint spacing is 12-feet as meaured from the <u>Outside (largest radius)</u> of peth 1-12-TYP Place an extra joint at the BC/EC so that the joints on tangents do not exceed 12 - feet on center PAVEMENT JOINT PLAN TYPICAL NTS * DETAILB SECONDARY CONTROL JOINT(SAWCUT ONLY) For praved distinse on curves, Note primary control joints are be radial projection of 12-loot spacing from the totalest of the curve in 12-loot spacing from the totalest of the curve Note secondary control joints are pieced at indipoint between primary control joints. Primary Ene Four Piela Devokes, present equally, outer piale downs is present group of 4 are set 1.5 facilitation the primary control joints. PRIMARY CONTROL JOINT (BASKET & SAWCUT) 1' EDGE OFFSET, TYP -1. 12.0" TYP. .1.

ES

FL DITCH

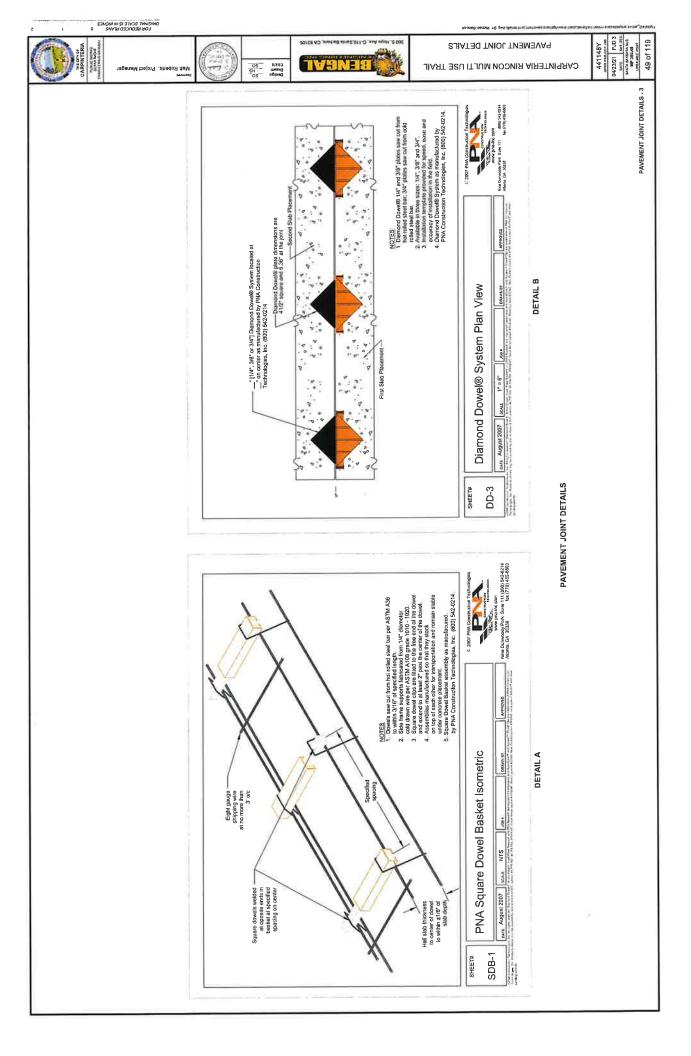
ರ

13 노

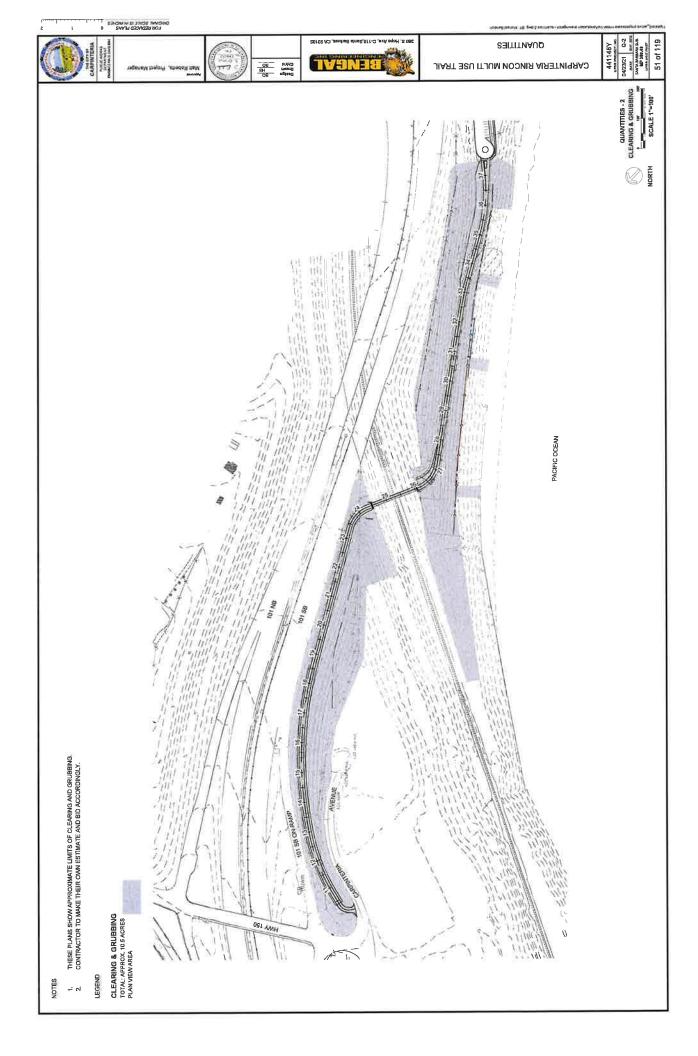
SEE TYPICAL SECTIONS NOTES FOR PAVEMENT THICKNESS

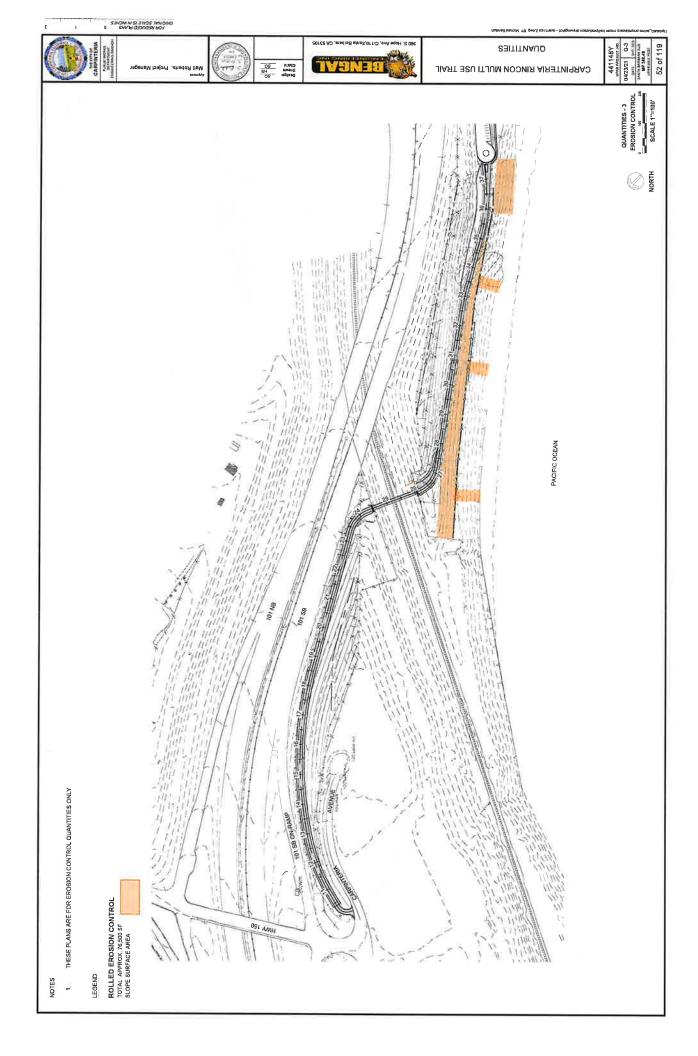
NOTES

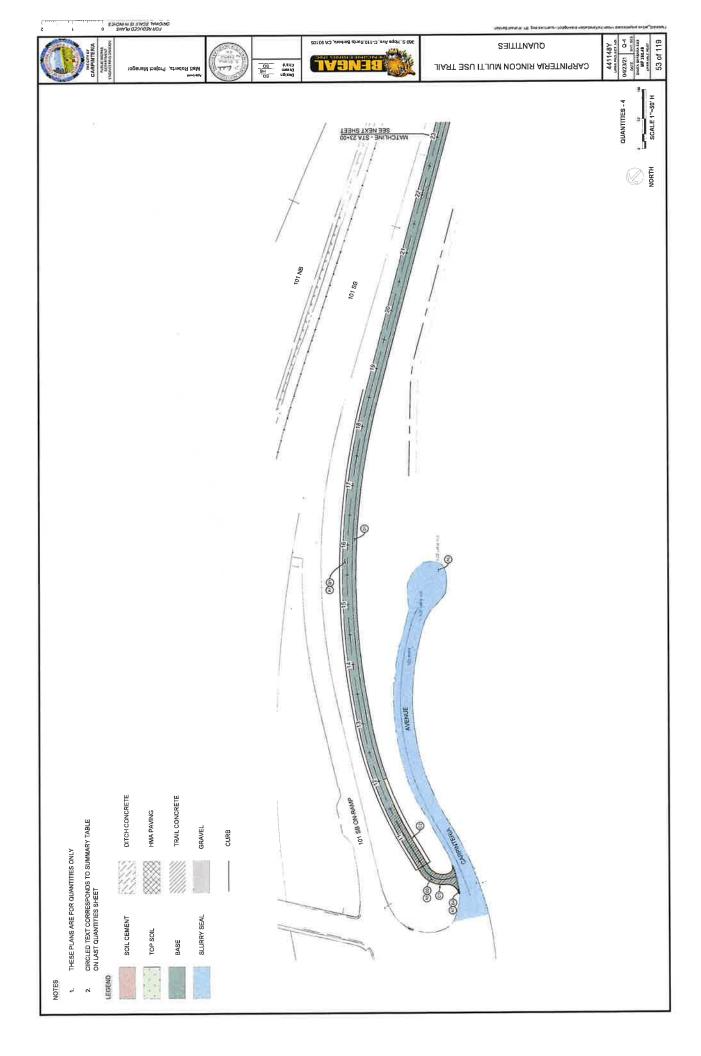
AREA	SQUARE DOWEL BASKETS	PLATE DOWELS
	(EA)	(EA)
FWYSOE	(2)	250
OCEANSOE	102	570
TOTALS TOTALS ROUNDED FOR BID	225	1160

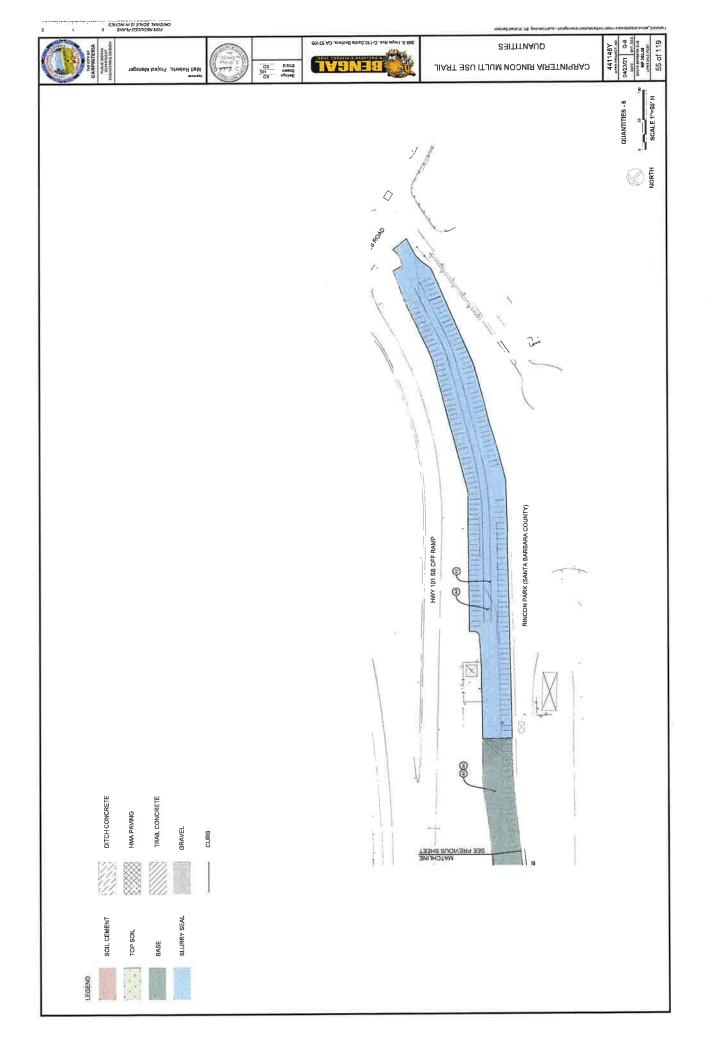












7600 35000

> 7444 21800

845

14,000

0.40

0.40

100

0.40

7,400 35,000

PAVEMENT AREA

APPLICATION RATE (LBS/SY) TYPE TWO SLURRY SEAL

AREA

THCKNESS VOLUME

APEA THICKNESS VOLUME (A) (A) (A) (C) (SF) JFT (C) 1,160 0.42 18.0

VOLUME

AREA (N)

DESCRIPTION

AREA

CLASS TWO AGGREGATE BASE THICKNESS (N) 3505 3365

0.42 0.42

22.530

21,630

Packing Lot @ Trailbead Paving

Ą

P\$

frait Parkeg - Pwy frail Paving - Ocean Parking Lot Paying appreciative Sury Seal

HOT MIXED ASPHALT

BASE & PAVING SUMMARY OF QUANTITIES

JONTED PLAN CONCRETE PAVEMENT

SUMMARY OF QUANTITIES

CARPINTERIA RINCON MULTI USE TRAIL

441148Y
04723/21 Q-7
0423/21 Q-7
041 SAFE SAFE SAFE 56 of 119



СРК.Ч Очими Бегіви	360 S. Hope Ave, C-110 Sanla Belluara, CA 9310S

١	20159 AD create Barbara CA 300 Ava Borbara
1	BENEVI
1	

BENGYE	30.0	-110 Soole Burham CA 9:	A COOK S OF
	6	MENER	

 CPK,q 20 Dismit H2 Design 20	
Os utilsed	

		e Ave. C-110 Senta Barbara, CA 93105
OS SH OS	CPKQ Distant Dezign	BENEVE

LANDSCAPING SUMMARY OF QUANTITIES

VOLUME C₃

1,300

17,080

1363 45.320

TOTALS (Meanted by But 10% and sig digit TOTALS (Re-rated by But 10% and sig digit (No Yaka P Pay form, for information doty

1469

0.50

Parking Lot Round About Base

83

Assetance on Base

515 5357 557.4

050 050 050 090

1,160 30,100 34.330 7,930

Vestern Training & Base Trail & Dilch Base - Ocean ran & Dach Base - Fwy Appellance of Paving Jahing Lot Stury Soal

> A7 88

BELL O COUNTY SUSE

RFACING SAVEL MIX	(C)	0 3
TVATION AREA SURFACING	THCKNESS	0.3

		ZA.	LANDSCAPED AREAS	4S	OBSER	OBSERVATION AREA SURFACING	RFACING
AREA	NOTE OF THE PROPERTY OF THE PR		TOP SOIL		3/4" CAL	3/4" CALIFORNIA GOLD GRAVEL M	RAVELM
		AREA	THICKNESS	VOLUME	AREA	THICKNESS	VOCU
		(8)	673	(CM	(55)	(12)	SCN
ū	Top SoutPlanted Median East Traincast	570		0.00			
62	Top Sed (Perted Missian in Round About)	280	-	104			Ш
2	Top Soil (Stope West of Openivaburi Area)	2900	99	53.7			
2	Top Spil (Stope Reinforcement)	10100	2	748.1			
22	Top Sod (Stope Reinforcements)	00909	2	3763.0			
84	Top Soil (Buttress FIII)	16300	٠	1207.4			
5	Oranti (Observators Avya)				4500	0.3	90 0
TOTALS.	(Optionized)	60,620		107.2	4 500		3
TOTALS	(Rounded for Bid 15% and sign digit)	22,700		6 660	5200		60

CURI	CURB & DITCH SUMMARY OF QUANTITIES	JMMARY (OF QUA	NTITIES	"				
		CURB				۵	рисн		
TO CALLED	ช้	CALTRANS TYPE A1-6		8	CONCRETE DITCH ALONG TRAL	£_	AF	AR BLOWN MORTAR ALGNG FLOI	RTAR
NO.	LENGTH	CYPERLF (N)	VOLUME	AREA (N)	THCKNES S (N)	VOLUME	AREA (N)	THICKNES S (N)	NOTO
	(LF)	(C)	(C))	(SF)	(FT)	(C.V)	(SF)	E	CY
Minor Concerte - Curt & LI West Trailland	90	0.02565	222						
Minor Conciete - Curb @ Rt. West Trainwag and Rt. CRT	220	0.02585	5 69						
Minor Concrete - Curb @ Planter East Trailhead	3	0.02585	165						
Moor Concerns - Curb 49 Rincon Plan. Planing - North Seen	160	0.0258\$	4.14						
Mnor Concette - Curb @ Bacon Park Paning - South Side	939	0.02586	142						
Minor Corcrete - Curb @ Ringon Park Roundabout	63	0.02585	1,63						
Mnox Concests - TCRT Line Distribute Side				0757	0.42	117.8			
Minor Concrete - "CRT Line Ditch Left Side				6.670	0.47	6901			
Miner Corceets - *FL - 01" Line Dath							672	0.33	10
Moor Concrete - FL - 01* Line Dich.							55	0.33	90
Minor Concrete - CKT Line Dilah Disinage System 1			l				509	0.33	74
(Utrounded)			168			224.6			222
(Receded to find 10% and sig digit)			20			250			22

SO 90 ia

20 003 70 20

5 5 C2

AREA

10

QUANTITIES - 7

CARPINTERIA
CARPINTERIA
TOTAL
ENOMETRINO OMEGINI

BRIDGE PLANS

CARPINTERIA RINCON MULTI USE TRAIL

441148Y
042321 BR-2
22.5 BP-18.8
042321 BR-2
22.5 BP-18.8
05.8 Of 119

CPR.4 Duleus Design HENCYL MDM H OS

100 S. Hope Ave. C-110 Same Bedgets, CA 93105



STRUCTURE DESIGN CRITERIA

STRUCTURE IS DESIGNED PER AASHTO LRFD GUIDE SPECIFICATIONS FOR THE DESIGN OF PEDESTRIAN BRIDGES, 2ND EDITION, 2015

CONSTRUCTION METHODS

THIS IS A PREFABRICATED STEEL BRIDGE, WITH A CAST-IN-PLACE CONCRETE DECK, THE BRIDGE IS SUPPORTED BY A DEEP FOUNDATION SYSTEM USING CAST-IN-DRILL HOLE (CIDH) CONCRETE PILES.

DETAILS OF CONSTRUCTION METHODS,

THE BRIDGE WILL BE BUILT USING THE FOLLOWING CONSTRUCTION SEQUENCE

BRIDGE FOUNDATION: A) PILES, CAST-IA-DRILL HOLE (CIDH), THESE ABUTMENT PILES WILL BE BUILT BY DRILLING TO AN ELEVATION SHOWN IN "BRIDGE FOUNDATION PLAN".

AFTER THE HOLE IS COMPLETE BAR REINFORCING STEEL WILL BE PLACED INSIDE THE HOLE USING CENTRALIZERS TO POSITION THE STEEL IN THE HOLE, FINALLY, CONCRETE WILL BE PLACED 'FROM THE BOTTOM-UP', USING CONCRETE TYREMISE.

REINFORCED CONCRETE ABUTMENTS / WING WALLS:
PREMPORCED CONCRETE ABUTMENTS WILL BE CONSTRUCTED ON TOP OF THE CIDH PILES. THE ABUTMENTS //
WINGWALLS WILL BE BUILT INFPLACE USING STANDARD PLYWOOD FORMWORK THE ABUTMENTS INCLUDE BOLTS TO TIE THE
BRIDGE SUPERSTRUCTURE TO THE ABUTMENT, 6

BRIDGE SUPERSTRUCTURE:
THE BRIDGE SUPERSTRUCTURE IS A SHOP-BUILT STEEL TRUSS SYSTEM. THE STEEL USED IN THE BRIDGE SHALL BE COR-TEN STEEL
WHICH WILL BE PANYTED LIGHT SYS BLUE, CONTRACTOR TO PROVIDE A SAMPLEPAINT CHIP FOR APPROVAL. THE BRIDGE WILL BE
FABRICATED BY A PREQUALIFIED SUPPLIER WITH SHOP-CERTIFIED PROCEDURES.

BRIDGE DECK:

ATER THE REFEARICATED STEEL SUPERSTRUCTURE IS BOLTED TO THE BRIDGE ABUTMENTS, THE CONTRACTOR WILL PLACE
DECK REINFORGEMENT, SUPPORTED ON THE RACTORY-BUILT 'DECK PAN' BY CHAIRS OR DOBIES. BRIDGE DECK REINFORGEMENT IS
BY BRIDGE FABRICATOR. NO FALSEN/ORK WILL BE NEEDED TO SUPPORT THIS DECK FROM BELOW. NEXT THE DECK CONCRETE
WILL BE FACED SURING A BOOM PUMP. THIS DECK WILL BE FINISHED LIKELY USING HAND METHODS (COMPARED TO MECHANIZED
"BIOWELL" FINISHING).

BR-2 STRUCTURE CRITERIA & CONSTRUCTION METHODS

Public Works DEPANDON'S

BRIDGE PLANS

CARPINTERIA RINCON MULTI USE TRAIL

59 of 119

BR-3 GENERAL UPRR NOTES

441148Y
UNRI PROJECT. NO
0423/2| BER-3
DATE
SAVITA BARBARA BER
HP 310/48

WQW H2 CPE.Q DARRELL Design

GENERAL NOTES:

1. THE PROPOSED GRADE SEPARATION PROJECT SHALL NOT INCREASE THE QUANTITY AND/OR CHARACTERISTICS OF THE DRAINAGE IN THE RALIROAD'S DITCHES AND/OR DRAINAGE STRUCTURES.

2. THE ELEVATION OF THE EXISTING TOP-OF-RAIL PROFILE SHALL BE VERIFED BEFORE BEGINNING CONSTRUCTION, ALL DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE RAILROAD PRIOR TO CONSTRUCTION.

3. THE CONTRACTOR MUST SUBMIT A PROPOSED METHOD OF EROSION AND SEDIMENT CONTROL AND HAVE THE METHOD APPROVED BY THE RAILROAD.

4. ALL SHORING SYSTEMS THAT IMPACT THE RAILROAD'S OPERATIONS ANDIOR SUPPORTS THE RAILROAD'S FURMAKINKIN SHALL BE DESIGNED AND CONSTRUCTED PER CURRENT RAILROAD GUIDELINES FOR TEMPORARY SHORING.

B. ALL DEMOLITIONS WITHIN THE RAILROAD'S RIGHT-OF-WAY ANDIOR DEMOLITION THAT MAY IMPACT THE RAILROAD'S TRACKS OR OPERATIONS SHALL BE IN COMPLIANCE WITH THE RAILROAD'S DEMOLITION GUIDELINES.

6. ERECTION OVER THE RAILROAD'S RICHT-OF-WAY SHALL BE DESIGNED TO CAUSE NO INTERRUPTION TO THE RAILROAD'S REDUIREMENTS, RAILROAD'S OPERATION, ENABLING THE TRACK(S) TO REMAIN OPEN TO TRAFFIC PER THE RAILROAD'S REDUIREMENTS,

7. RAILROAD REQUIREMENTS DO NOT ALLOWWORK WITHIN SIG FEET OF TRACK CENTERLINE WHEN A TRAIN PASSES THE WORK SIGH AND ALL PERSONNEL MUST CLEAR THE AREA WITHIN 25 FEET OF THE TRACK CENTERLINE AND SECURE ALL EQUIPMENT.

B. FALSE-WORK CLEARANCES SHALL COMPLY WITH MINIMUM CONSTRUCTION CLEARANCES.

8. ALL PERMANENT CLEARANCES SHALL BE VERIFIED BEFORE PROJECT CLOSING

10. FOR RAILROAD COORDINATION PLEASE REFER TO THE RAILROAD MINIMUM REQUIREMENTS AS PART OF SPECIAL. PROVISIONS,

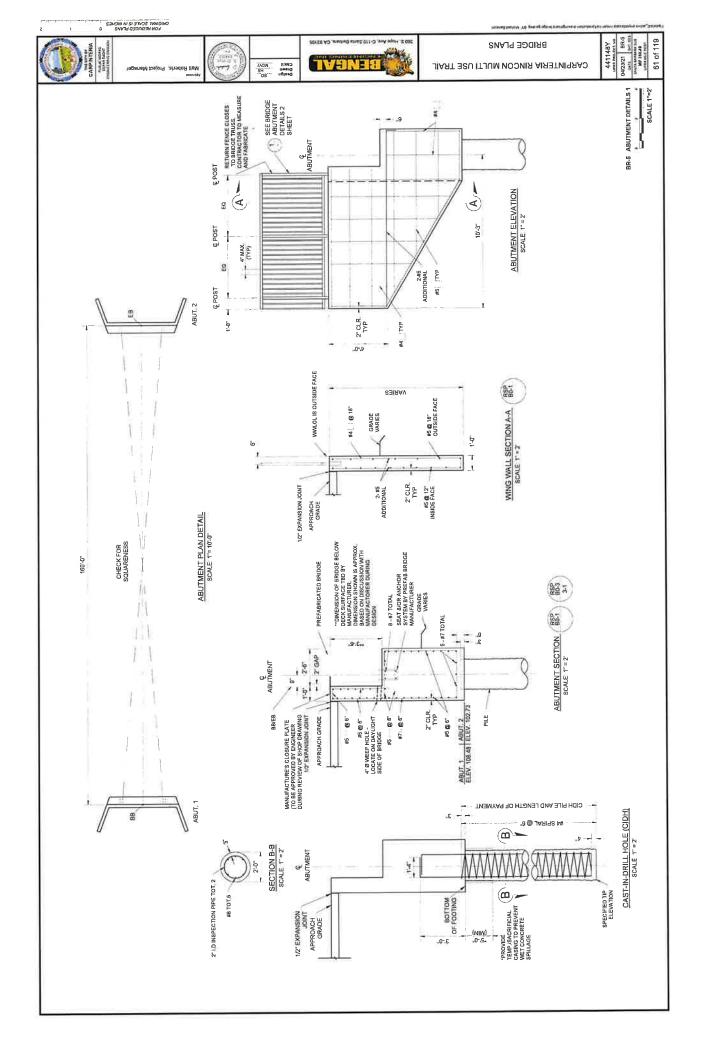
36" RCP STORM DRAIN OIL PIPELINE ABANDONED

(E) FENCE

0.0

18 2.4 2.0 2.0

Spectral Acceleration (9)



BENEVI MOW_ SH OS CPR.q Dumu Desidu

300 S. Hope Ave, C-110, Sanla Berbern, CA 93105

GROUT (SEE NOTE BELOW)

TOP OF CONCRETE

TO F

TOP OF CONC.

Z- Z-

.,9-.,0

BRIDGE PLANS CARPINTERIA RINCON MULTI USE TRAIL

BR-6 ABUTMENT DETAILS 2

ABUTMENT RAILING DETAILS SCALE: 1" = 2"

NOTE USE CEMENTITIOUS GROUT WITH 112" MAXIMUM PEA GRAVEL, 28-DAY COM, STRENGTH = 4000 PSI

1 ABUTMENT RAILING DETAIL

HSS 3x3x½ POST

HSS 3x2x³/₁₆

3 CONNECTION DETAIL

CONTRACTOR TO FIELD MEASURE WANG WALL WITH BRIDGE IN PLACE AND PREPARE SHOP DRAWMAS FOR FABRICATION OF ABUTMENT RAILING FOR APPROVAL BY THE ENGINEER

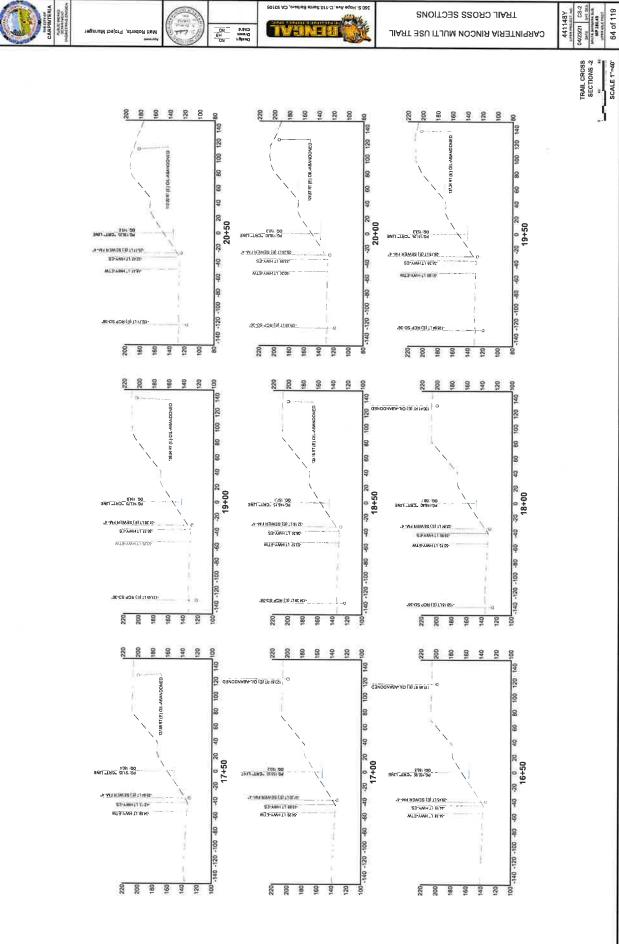
NOTE

4" (MAX) HSS3x2 TO HSS3x3 POST HSS 3 x 2 x ¾6 ~

%" SQUARE SOLID ROD PICKET (TYP)

(2) PICKET DETAIL

PICKET HSS 3x2



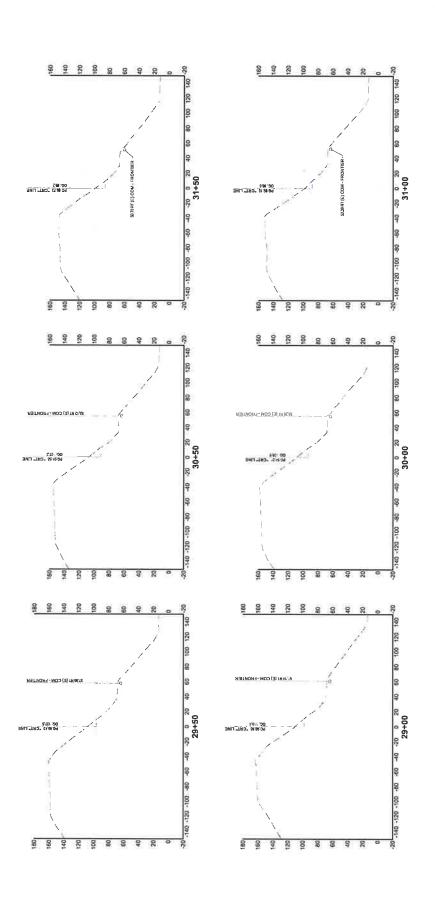
O Parente Manager Tooled Manager Manag



CARPINTERIA RINCON MULTI USE TRAIL
TRAIL CROSS SECTIONS

441148Y 04723721 CS-5 311 66 of 119





0 00

150 150 150 150 150 150



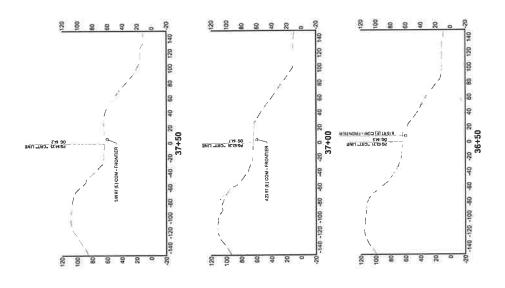




TRAIL CROSS SECTIONS CARPINTERIA RINCON MULTI USE TRAIL







EARTHWORK VOLUME [STA: 10+40 to 24+48]







SOLES AD ANNALE SINSE OF T-D .e.	ey adol: 5 090
BENCH	

S DSC	CNOLLOZO COCONO ZIVALI
4.	TRAIL CROSS SECTIONS
	INTERIA RINCON MULTI USE TRAIL
	HART TOUR IT WAN MODING AIGHTIA

	l
ПЧЯАЭ	l

441148Y
UNAN PROJECTI.NO
04/23/21 CS-8
DATE
NATION MONAN SUB
MED 216/48
TO Of 119

ιn		ě.		_
CROSS	ONS	-	1	1"=40
Z	SECT	8	I	SCALE
_		i	l	•
			ı	

	EARTHV (STA: 1	EARTHWORK VOLUME [STA: 10+40 to 24+48]	JME 48]						EARTHW ISTA: 10	EARTHWORK VOLUME [STA: 10+40 to 24+48]	JME 48]		
T AREA (SF)	FILL VOLUME (CY)		CUTVOLUME CUM, PLL VOI.	CUM CUT VOL	NET VOL (CY)	STATION	FILL AREA (SF)	CUTAREA	PLL VOLUNE (CY)	CUT VOLUME	CUM, FILL VOL	CUM, CUT VOL.	NET VOL.
99:	20/0	127.51	223	7337.08	27.0	20+75.00	1011	1477,S4	0.00	1462 03	3.34	35048.31	35046
77	0 0	97.577	223	1312,67	1101	21+00 00	00.0	13/247	00.0	1306.71	2.25	Masker	20317
42	0 00	81627	2 23	9125.14	9127	21+25.00	00.0	1208.74	00.0	1180 BM	225	37535.36	37533
20	0 00	758 50	2 23	9885.73	5883	21+50 00	00.0	1082 11	00.0	1059 96	335	38595 31	38593
89	000	87.42	223	9872,15	1786	21+75.00	100	970 33	000	15058	2.75	39545.82	38544
38	000	857.03	223	10830.18	10828	22+00 00	900	900.64	000	806.19	335	40412.01	40410
48	0 00	873,38	223	11703.56	11751	22+25 00	000	911.99	000	878,18	225	41251.19	41249
92'0	000	5400,72	522	4230.28	12591	22+50,00	000	85137	00'0	819,15	225	420/023	42068
1.98	000	819.28	523	13512.57	13510	22+75 00	90.0	827,88	000	687,88	225	42758.00	42758
5.15	00.0	920.46	223	144352	14431	23+00 00	0.00	000	00:0	290.73	225	43048.73	43046
3.41	000	822.35	223	15,555,38	15353	23+25 00	15.78	138 36	7.30	63.13	158	42111.88	43102
157	000	979 83	223	10333.31	16333	23+37,1%	16 93	68.40	7.36	46.06	16.87	43147.91	43141
8	0.00	1063.98	223	17389.18	17397	23+50.00	33.66	24 40	13.49	98 61	30.40	43177.91	43148
223	0.00	1157.38	223	18558 77	18555	23+75,00	105 69	12.10	68 86	14.55	90 66	43192 50	43093
5 09	0.00	127.M	223	19814.42	19812	23+84 72	124 86	11.78	42.14	338	142,20	43195 87	4305A
1.01	000	594.91	223	20409.33	20407	24+00 DO	181.69	10.47	8361	181	225.81	43200,88	42975
958	600	841,35	223	2125088	21248	24+25 00	253.04	000	191.42	3.64	417.28	43204 32	42787
103	000	1600 58	2 23	22851.24	22849	24+32.29	239.78	000	71 64	000	(6189)	43204 32	Sizer
95.0	000	1727.89	224	24579.13	24577	24+40 00	161.54	80	64.50	000	553.83	43204.32	42650
95	0.00	1611.66	2.24	26390.78	26389	24+47.50	129.67	800	40 47	000	694.30	4320432	42619
600	000	1874 35	2 24	28265 14	28263	24+420	00'225	000	2 38	000	598 68	4320432	42808
457	000	1872,09	2.24	30131.22	30135								

	TRAILHEAD (WEST)	CHT - 40 CY
×		
О		

CUT - 40 CY				
r		-	 _	
	ľ			

			OCEAN SIDE
	 _	=	×

EARTHWORK TOTALS

CUT (CY) FILL (CY)
Y SIDE 43,200 600
AD (WEST) 40 19
HDE 52,800 9,900

FREEWAY SIDE TRAILHEAD (WEST) OCEAN SIDE

Stateon	value	FILL - 19 CY
⊕ General		
S TIM		
E Volume		
Date Surface	(6:00) 55	
Companion Surface	Trail Head (North) Surface - (Dasum)	
Cut Farter	100	
FBFactor	001	
Cut volume (arthorited)	A: 25 Ca. 16.	
14 volume (adjusted)	18 97 C. 14	
fielt token (with sted)	21,31 Ca. 74, CQ.00	
Cut volume (unathered)	COUNTY AG	
Fit volume (amagicited)	24 PO 15	
And unlare (unadjusted)	21.31 Cu. 12. (Cit)	
Information Definition Analysis Statistics		OCEAN SIDE
Statists	Yoke	CUT - 52,800 CY FILL - 9,900 CY
E General		
MILE		
El Volume		
Base Surface	EG (2018)	
Compareson Surface	_datum (ocean) 02 IB 21	
Carfector	1,00	
Fill Factor	1.00	
Cut rolume (adjusted)	52.762.33 Cu. Yd.	
Financial separate	28.39.36.Cu rd	
First volume (adjusted)	42JB3107 Cu. 7d <cut></cut>	
Cut volume (amadystaed)	52762.33 Cu. Yd,	
Pill unkness (prhadpushed)	28 73 30 Ct. 76.	
her votice (prodynavi)	42883,07 Cu, Yd <cut></cut>	

					LINE	
			STA: 10	[STA: 10+40 to 24+48]	1ME 18]	
STATION	FILL AREA (SF)	CUT AREA (SF)	FILL VOLUME (CY)	CUT VOLUME ICY)	CUM, FILL VOL	0,900
10-10:00	105	4637	00.0	0.00	000	8
13-30.00	187	\$1.53	0.03	18 13	083	18.13
02.81-61	0.42	57.27	200	50.37	2 03	98 50
11.00.00	000	73 72	0.20	96 09	2.23	123.66
11-15 00	000	151.06	00.0	105.15	2.23	234 81
11.50 00	00 0	481.67	000	160.45	2.23	395.06
11+75.00	00'0	231.67	00.0	197.47	223	19233
11+86.52	000	280 57	00:00	196.73	2.23	19828
12+00 00	000	91775	00.0	24 67	2 23	623.82
12+20 00	000	321.48	000	221.01	2.23	1014.54
2+25 00	000	328.82	000	60.21	2.23	1103.15
12+50.00	00'0	97.020	00.0	313.23	2.23	1413.40
12:75.00	000	382 37	00'0	341.15	223	1758.55
13+00.00	000	443.10	0.00	07.080	223	2310.25
13+04 64	000	454 20	000	72.07	2.23	2217 32
13+25 00	000	900.60	000	360.03	2 23	2577.35
13+34.27	000	51815	000	174 94	223	2752 28
13+50.00	00.0	500.00	0.00	311.37	223	3063.65
13+75 00	000	636.93	0.00	534 03	2 23	3597 68
00 00+#1	00'0	11.003	000	583.57	2 23	4181.25
14+25 00	000	27 507	000	622 73	2.23	4803.97
11-50:00	000	735.83	000	652 53	223	5458 50
14+75,00	00'0	738.51	0.00	06.499	223	8124.40
20.00.00	40.00			-		

Vest) 02 18 2	Statustics
WHU) ION	Analysis
Properties -	Defrition
A Surface F	Information

Statence	Value
⊕ General	
E Volume	
Date Surface	100
Companion Surface	Trad
Cut Farter	1.00
FBF Actor	00'1
	40.3
	18.9
flet notice (with shed)	21.3
Cut volume (unatherited)	67.2
74 volum (analysted)	18.9
Sand not any desirable thank	,

	_
	Statustics
	Anaya.
	Definition
,	Information

								(parte	110	(payed)	(passed)	Comme	
Statistics	E General	ET TEM	El Volume	Base Surface	Comparaon Surface	Cuthactor	Na Factor	Cut noture (actual	Richme (Ac)	introlere tada	Cut voterse fanse	Pill unknee (smart)	Age of the Contract of the Con

441148Y UPM PROJECT NO 04723721 SC-01

SURVEY CONTROL

71 of 119



1. The horizontal datum for this map is based on ground control positions as contained in digital files for the 2007 aerial mapping by Golden State Aerial Surveying. Photography dated 12.12.2007, The datum is unknown but appears to be or proximate to MAD83. Epoch is unknown.

GENERAL NOTES: SURVEY DATUMS INFORMATION

2. The vertical datum for this map it based on ground control orthometric heights as contained in digital files for the 2007 aerial mapping by Golden State Aerial Surveying. Photography dated 2007,0707, The datum is unknown but appears to be or proximate to NAVD89.

3. Grid coordinates for aerial mapping appear to be or proximate to California State Plane Coordinate System Zone 5.

4. Survey units appear to be US Survey feet.

5. Surveying for location of monuments and other ground control were performed by RESE Water & Land Surveying Services in August & September, 2017, using both static and RTK GNSS methods. Orthometric heights for surveyed points were derived by applying a high-precision geoid model to surveyed elipsoid heights.

3. Sources of information for ittle lines include, but are not limited to: Santa Barbara County deeds, State Highway Monumentation Map Books; Santa Barbara County Assessor Information. California Department of Transportation right of way maps; Union Pacific Right of Way and Track Maps. 4. No attempt to resolve gaps, gorres, hiatuses, or other misalignment of record information has been made to establish a folline or boundary that does not appear of record. This mapping shall not be construed as an establishment of record information per California 88.P Code sec 8700 et seq.

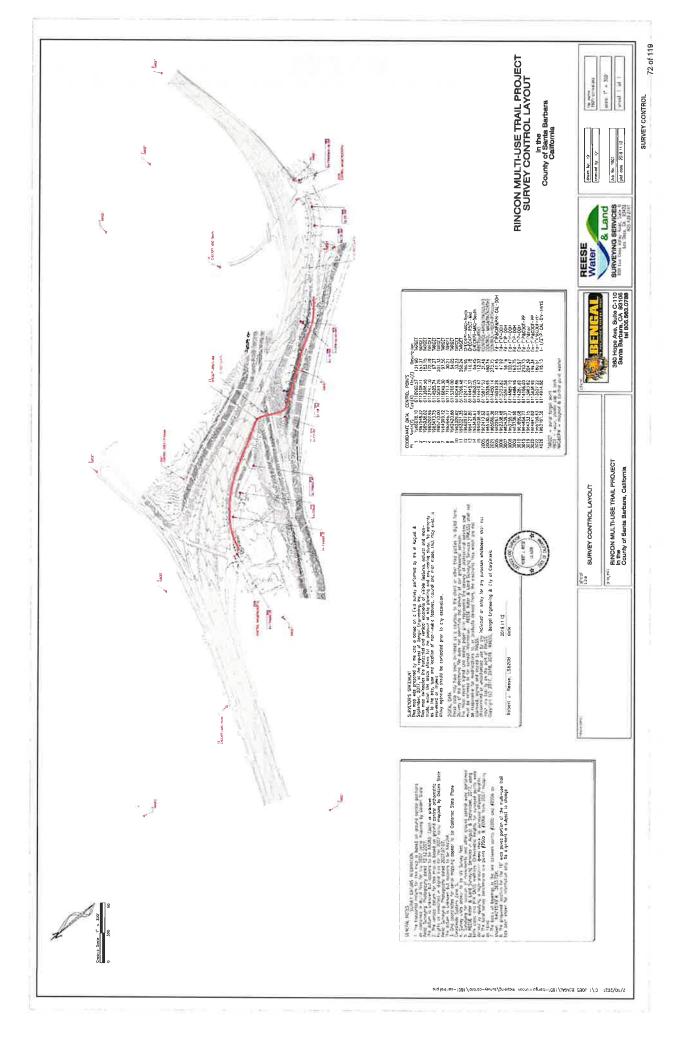
5. To resolve any particular deed or map line, a survey and map shall be performed according to provisions in the Professional Land Surveyors Act, B&P sec. 8700 et seq.

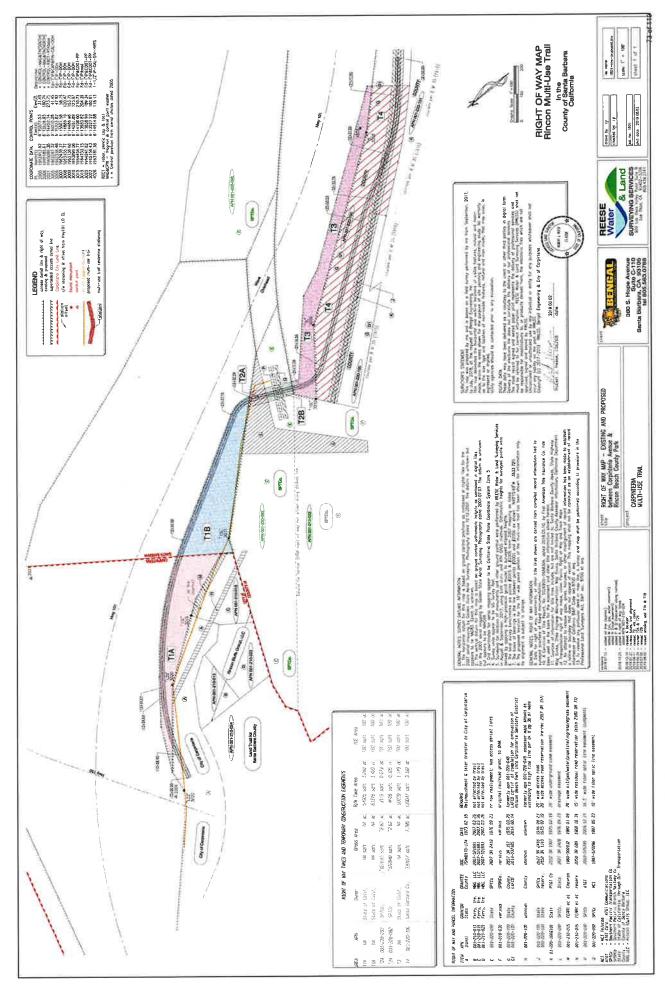
2. A Condition of Title Report, No. 5028900-5688306, dated 2018 05.10, by First American Title Insurance Co. has been used as the basis for the easement and other title information shown hereon.

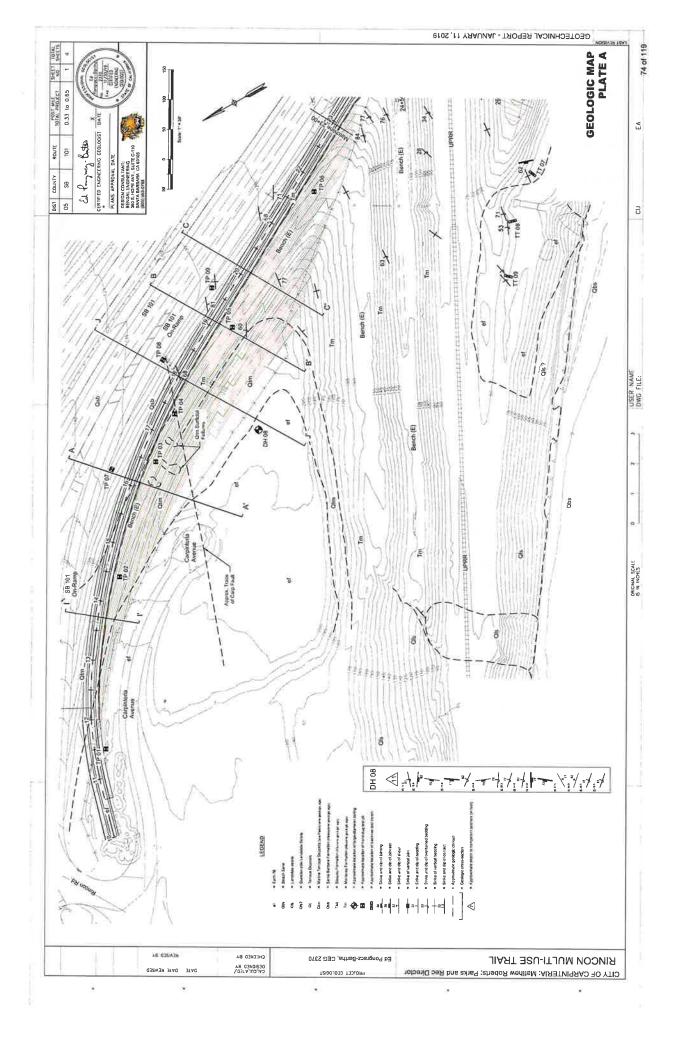
1. Data for right of way, easements, or other title lines shown are derived from compiled record Information tled to surveyed positions of found monumentation.

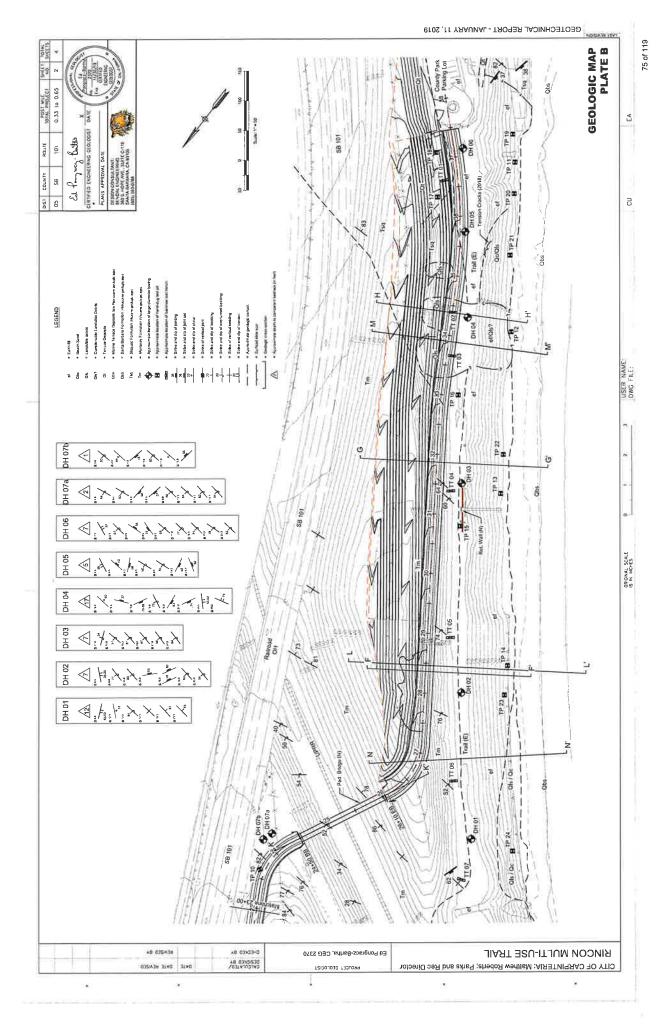
7. The basis of bearings is the line between points #2005 and #2006 as shown: N40*15'49"W 3633,72ft. 6. The local survey benchmarks are points #2005 & #2006 from 2007 mapping as listed.

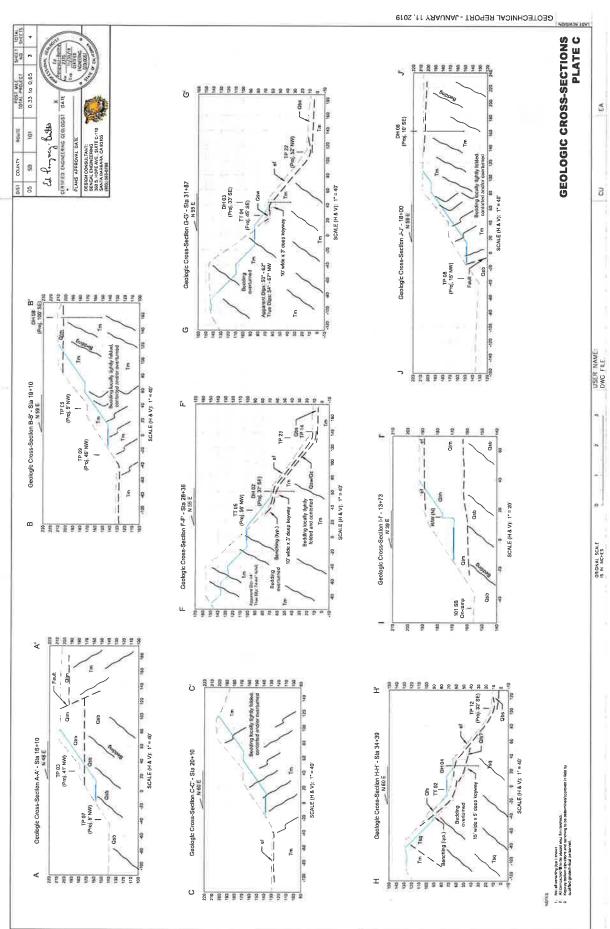
GENERAL NOTES: RIGHT OF WAY INFORMATION











REVISED BY

032W3R 3TAQ 3TAQ

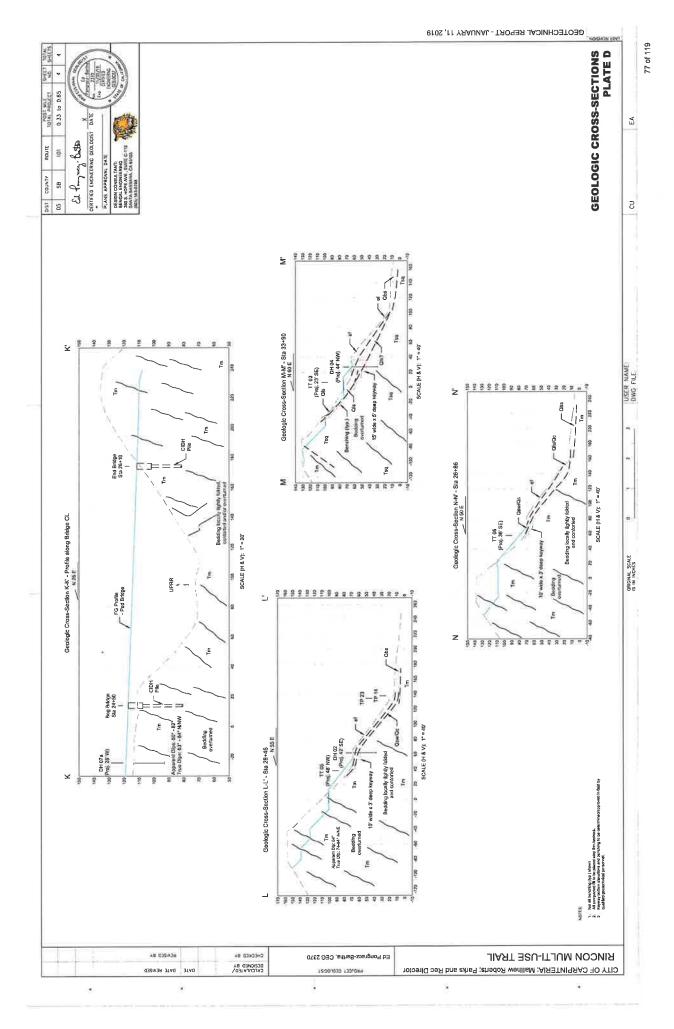
AR GHODHO

CALCULATED PY

Ed Pongracz-Barlha, CEG 2370

RINCON MULTI-USE TRAIL

CITY OF CARPINTERIA: Matthew Roberts; Parks and Rec Director



BORING NUMBER DH 01 PAGE 1 OF 1

	Just	AV	Генері	ione.	505-505-0788								
CLI	ENT _C	ity of Ca	rpinteria,	Parks	and Recreation Dept.	PROJECT NAME_Rincom	n Multi	-Use T	rail				
PR	OJECT	NUMBE	R			PROJECT LOCATION C	Carpinte	eria, S	anta E	Barbar	a Cou	nty, CA	4
DA	TE STA	RTED_3	/12/18		COMPLETED 3/12/18	GROUND ELEVATION 7	71 ft N/	AVD88	НС	LE S	IZE 2	4" inch	nes
			ACTOR						-				
			-		ed Limited Access								
					CHECKED BY								
- 1			Jigracz					_					
NO	TES _					AFTER DRILLING							
ELEV (#)	DEPTH	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	GRAPHIC LOG	MATERIAL DESCR	PTION	OISTURE NTENT (%)	DRY UNIT WT. (pcf)	LIQUID	PLASTIC MINIT	S	S CONTENT (%)	OTHER TESTS
	0	SAI	\ \				≥8	DR,	5-	7	¥Z	FINES	
_70		AU			Earth Fill (ef) Fine-grained Silty Sand / Sandy Silt (angular shale fragments - light brown	ML) with abundant							R-Val
				\bowtie	locally loose, scattered roots and roo	tlets							
-	5	MC					10	60					
-65													
-	= 02			₩									
Ì				ĬĶ.	8.0' - contact (exit): N25W, 45-50SW	ef contact exits boring	1						
	10			2	Colluvium and/or Landslide Debris Sandy Silt (ML) matrix with scattered	to abundant							
_60	_	(MC		024	shale/siltstone fragments - light gray,		12	65	53	50	3		ATT
-				३भी	rootlets 12.0' - base of colluvium / landslide d	ehris: N50W 51SW:							
ŀ	- 3 E-				slightly irregular and wavy, no clay go	ouge present							
Į	15	MC)			Bedrock: Monterey Formation (Tm Laminated siliceous siltstone and sha	le - dark gray to black,	18						
€ –55					moderately hard, slabby, fractured ar slightly weathered (rock weathers to	ight tan to cream colored),							
27	5 5				prone to sloughing and caving along 12.5' - bedding: N85W, 84N (overturn	bedding and jointing ied); abundant rootlets							
GINTIPROJECTS/7000Q V2.GPJ					and caliche 14.0' - bedding: N85W, vertical; perva	asively fractured with							
OPEC	20	\ MC /			rootlets and caliche 14.5' - 1/2" thick and discontinuous light	ght brown silt parallel to	13 /	68 /					
E -50					bedding 18.0' - bedding: N80W, 87S								
86)/GI	_				Slight sloughing below 18' along bede 20.0' - bedding: N82W, 85S	ling and jointing.							
ES	25												
影	25												
45 -45	-												
PRO		AU					19		NP.	NP.	NP		ATT
4-0													
19 19.	30	\ MC			Groundwater and/or seepage not end	ountered. Boring	18 /	69 /					
BENGAL BH V2 - BENGAL V1.GDT - 1/13/19 19.47 - C.PROGRAM FILES (X8B)				7	backfilled with native materials. Bottom of borehole a						I		
GDT					polition of political a	ST.O ICCL							
- 41	= ==												
NGA	35												
35													
됢	-										_		
GAL									7	⁷⁸ (of 1	119	
BEN	40											_	

BORING NUMBER DH 02 PAGE 1 OF 1

	June 1	NAN	, olopii		305-563-0788								
CLIE	NT_C	city of Ca	rpinteria,	Parks	and Recreation Dept.					_		86	
		NUMBE											
DATE	E STA	RTED_3	/12/18		COMPLETED 3/12/18	GROUND ELEVATION_	8.5 ft l	NAVD	88 HC	LE SI	ZE _2	4" inch	es
DRIL	LING	CONTRA	ACTOR F	RC Dril	ling	GROUND WATER LEVE	LS:						
					ed Limited Access								
					CHECKED BY								
		-	0.0000000000000000000000000000000000000			AFTER DRILLING	-						
NOII	==					AFTER DRILLING			_ AT	FEDDE	-00		
		Й					⊚	E.	AI	ERBE		FINES CONTENT (%)	
	I	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	GRAPHIC LOG				DRY UNIT WT. (pcf)			>		
ELEV (ft)	DEPTH (ft)	MBI.	N N N	[흥왕]	MATERIAL DESCR	IPTION	IS'E	E E	LIQUID	PLASTIC LIMIT	PLASTICITY INDEX	ତ୍ତିଛି	OTHER TESTS
ш	<u> </u>	₽Ē		윤기			ΙēΣ	<u>`</u>	₫≦	[¥¥]	ᇢ	ကြူ	, 20.0
	920	S,	_				-8	占		₫_	5-	<u>=</u>	
	0			XXXX	Earth Fill (ef)		-	-		-	_	_	
				\bowtie	Fine-grained Silty Sand / Sandy Silt								
8	+0° (±			$\otimes\!\!\otimes\!\!\otimes$	angular shale fragments - light brown locally loose, scattered roots and roo	n, dry, slightly compact to							
_65	46 F			*****	Colluvium (Qc)	CANALLY CONTRACTOR OF THE CONT	1						
33				609	Sandy Silt (ML) matrix with rock frag								
	5	M MC		39	gray, slightly moist, medium stiff, sca several rock clasts dipping downslop	ittered roots; includes	16	65	56	54	2		ATT
	. 3	IVIC		· Na	5.0' - Qc/bedrock contact on uphill si	de of boring	10	00	00	0.	Ē	1	
					6.5' - contact: N49W, 35-38SW								
_ 60					Bedrock: Monterey Formation (Tre Laminated siliceous siltstone and sh								
- 50	+7 ₁₁₂ 1±				moderately hard, slabby, fractured a	nd jointed, moderately to							
	10	MC MC			slightly weathered (rock weathers to 8.0' - bedding: N76W, 77NE (overtur	light tan to cream colored)	24	76					
8		IVIC			10.0' - occasional weathered seam (light gray silt) along	27	70					
	a a	AU			bedding, abundant rootlets		23		54	49	5	1	ATT
_55	EK 122	AU					25		34	73	, J	1 1	7111
-00	-				14.0' - bedding: N79W, 80NE (overtu	irned)							
	15	-			14.0' - joint: N43E, 83SE; rootlet-line								
	e e												
	-e -												
_50					18.0' - 1/2" diameter root along fracti	ure rock very tight							
-00	#8 (#				18.0' - joint: N27E, 78SE; smooth an	d slightly wavy with rootlets							
	20	MC MC			18.0' - joint: N27E, 83SE; caliche-line 19.0' - bedding: N80W, 80NE (overtu	ed (med)	30	56					DS
80	20 32	IVIC			19.0 - bedding: Noovy, colve (over	inica)	30	30	1				
	5 3												
_45	a\ :≡												
- 10					24.0' - 1/2" diameter root along tight	fracture							
	25	-			25.0' - bedding: N77W, 84NE	··· ==- = : =							
2	e :=				20.0 2000.19. 111111, 01111								
57	26 E												
_40	SV 92												
	30	MAC			Groundwater and/or seepage not en	countered. Boring	21	71	1				
		MC MC		一	backfilled with native materials.		41						
		fi .			Bottom of borehole a	at 31.0 feet.							
_35		6											
- 33	05	÷											
	35	_											
		Ė											
_30		:							7	79	of '	119)
-00	-										•		-

Bengal Engineering 360 South Hope Avenue, Suite C-110 Santa Barbara, CA 93105

BORING NUMBER DH 03 PAGE 1 OF 1

	ā	"None	HAVE	Teleph	ione: {	805-563-0788								
-	CLIE	NT_C	City of Ca	rpinteria,	Parks	and Recreation Dept.	PROJECT NAME_Rinco	n Multi	-Use T	rail				
-	PRO	JECT	NUMBE	R			PROJECT LOCATION	Carpint	eria, S	anta E	3arbar	a Cour	nty, C/	4
-	DAT	E STA	RTED_3	/13/18		COMPLETED 3/13/18								
- 1	DRIL	LING	CONTR	ACTOR_	RC Dri	lling	GROUND WATER LEVE	ELS:						
-1	DRIL	LING	METHO	D_Track-	Mount	ed Limited Access	AT TIME OF DRIL							
	LOG	GED I	BY E. Po	ongracz		CHECKED BY								
- 1	NOT						AFTER DRILLING							
ł										AT	TERBE	ERG	 -	
	≥	Ē,	TYPE 3ER	VIS LUE)	일			URE (%)	۲. ۲.		LIMITS		CONTENT (%)	OTHER
	ELEV (#)	DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	GRAPHIC LOG	MATERIAL DESCR	IPTION	MOIST	DRY UNIT WT. (pcf)	LIMIT	PLASTIC LIMIT	PLASTICITY INDEX	FINES CC	TESTS
Ì						Earth Fill (ef)								
			AU			Silty Sand - mottled light yellowish-br brownish-gray, moist, loose to mediu tabular rock fragments to 6" in dimen contact with bedrock.	m compact; abundant							R-Val
	_60	 5				0 - 2.0 - fill depth of east side of bori	ng							
-			MC MC		\bowtie	0 - 7.0' - fill depth of west side of bori	ng	7	79					
-	8				<u> </u>	Bedrock: Monterey Formation (Tm		-						
	n 8					Siltstone - brownish gray, moderately fine-grained sandstone beds; locally fractured to 10'-12' below grade; bed	hard, few very siliceous; intensely							
ł	-55	10	МС			developed, continuous and undulator	y	13	66				45	
Ì	20 0 20 0					bedding: N23W, 54NE bedding: N23W, 54NE (overturned)								
	.2.					bedding: N88W, 57NE bedding: N88W, 57N (overturned)								
	-50	15	_											
GP.	2 8					bedding: N79W, 81NE								
5	6 3					bedding: N79W, 81NE (overturned)								
7000														
CTS	_45	20				bedding: N78W, 67NE								
ROJE	-45		MC			bedding: N78W, 67NE (overturned)		14	73	55	46	9		ATT
LINE.						bedding: N74W, 58NE (overturned)								
(X86)\G						22.0' - medium gray in color; some ca fractures and bedding	aliche stringers along tight							
訓	-40	25	-											
GRAM						bedding: N75W, 64NE								
PRC						bedding: N75W, 64NE (overturned)								
\$\ - -														
9195	-35	30	МС			Groundwater and/or seepage not end	countered Boring	20	67					T.
BENGAL BH VZ - BENGAL V1, GDT - 1/13/19 19:47 - C.\PROGRAM FILES (X88)\GINT\PROJECTS\7000Q V2.GPJ	-	- 1-	IVIC		7	backfilled with native cuttings. 31.0' - end of boring - no groundwate Bottom of borehole a	r Γ	28	67					
<u>5</u>	-	e (e												
1GAL	-30 -	_35	_											
- BEN	4	- 2												
- K	3													
SALB										8	30 (of 1	119)
BENC		40									`			

BORING NUMBER DH 04 PAGE 1 OF 1

IEN	IT C	ity of Car	minteria	Parks	and Recreation Dent	PROJECT NAME Rincon	Multi-	Use T	rail				
										arbara	a Cour	ity, CA	(
							200000						
		-											
							ING						
							NG						
TE	s					AFTER DRILLING							
Т	1	111						. 9	ATT			늘	
(#)	(#)	SAMPLE TYPI NUMBER	BLOW COUNTS (N VALUE)	GRAPHIC LOG	MATERIAL DESCRI	PTION	MOISTURE CONTENT (%	DRY UNIT WY (pcf)	LIQUID		PLASTICITY INDEX	FINES CONTEI (%)	OTHER TESTS
					angular shale fragments - light brown locally loose, scattered roots and roo Questionable Landslide-affected ro	n, dry, slightly compact to tlets ock (Qls?) or	×						
u	5	-, -		× × ×	Mudstone/Siltstone - light brownish y	ellow to light yellowish		- 00					De
-	-	MC		× × ×	weakly indurated, highly fractured, so	cattered roots. limonite	10	99					DS
5	10	МС МС		× × × × × × × × × × × × × × × × × × ×	locally powdery	edding and powdery (dry)	9	105					
0 -	15	es .		X X X X X X X X X X X X X X X X X X X	and asymetric open fractures to 1"-3' 15.0' - N85W, 60S; shear fabric with	' across with roots little to no matrix							
	-			××	17.0' - fracture zone: N27E, 75-82NV with open voids and rootlets (no clay	V; base of fracture zone), rock improves below							
5	20	AU		× × ×	Mudstone/Siltstone - brownish gray to	o blue-gray to dark gray,	18		50	35	15		ATT
	-	MC MC		× × × × × × × × × × × × × × × × × × ×	slightly weathered, massive to vague 18.0' - bedding (?): N65W, 75NE; gyr 18.0' - joint: N07W, 83W; oxidized	ly bedded osum-lined	18	89					DS
0 -		- E(AU)		X X X X X X X X X X X X X X X X X X X	gradational contact between oxidized	bedrock (above) and	19	į.					
5	30	МС		× × × × × × × × × × × × × × × × × × ×			12	95					
0 -	35			× × ×	backfilled with native cuttings.								
2					Bottom of borehole a								
5 =									8	31 (of '	119)
	ROJ ATE RILL RILL DGG DTE	ROJECT ATE STAR RILLING RILLING DEGED B DTES 10 15 10 15 10 15 10 15 10 15 10 15 10 15 10 15 10 15 10 15 10 15 10 15 10 15 10 15 15 10 15 15 10 15 15 10 15 15 10 15 15 10 15 15 15 10 15 15 10 15 15 15 16 17 17 18 18 18 18 18 18 18 18 18 18 18 18 18	ROJECT NUMBER ATE STARTED 3 RILLING CONTRA RILLING METHOD DEGED BY E. PO DTES AU MC 15 10 MC 15 20 AU MC 15 30 MC 15 30 MC 15 30 MC	ROJECT NUMBER ATE STARTED 3/13/18 RILLING CONTRACTOR F RILLING METHOD Track- DIGGED BY E. Pongracz DTES WANDON AND MC AN	ROJECT NUMBER ATE STARTED 3/13/18 RILLING CONTRACTOR RC Dri RILLING METHOD Track-Mount DGGED BY E. Pongracz DTES WAND MC AND	RILLING CONTRACTOR RC Drilling RILLING METHOD Track-Mounted Limited Access DOGED BY E. Pongracz CHECKED BY DIE BURNEY MATERIAL DESCRI Earth Fill (ef) Fine-grained Silty Sand / Sandy Silt (Prine-grained Silty Sand / Sandy Silt (Prine-grained Silty Sand) MATERIAL DESCRI Earth Fill (ef) Fine-grained Silty Sand / Sandy Silt (Prine-grained Silty Sand / Sandy Silt (Prine-grained Silty Sand / Sandy Silty Sandy Sandy Silty Sandy Sandy Sandy Silty Sandy Silty Sandy Sa	RILLING METHOD Track-Mounted Limited Access RILLING METHOD Track-Mounted Limited Access RILLING METHOD Track-Mounted Limited Access DIES CHECKED BY	RILLING METHOD Track-Mounted Limited Access RILLING METHOD FORILLING ATTIME OF DRILLING AFTER DRILLING REPAIR OF DRILLING AFTER DRILLING REPAIR OF RILLING AFTER DRILLING CAPTER DRILLING CAPT	ATE STARTED 3/13/18 COMPLETED 3/13/18 GROUND ELEVATION 64.4 ft NAVO GROUND WATER LEVELS. RILLING METHOD Track-Mounted Limited Access OGED BY E. Pongracz CHECKED BY MATERIAL DESCRIPTION MATERIAL DESCRIPTION BEATH FIII (ef) Fine-grained Silty Sand / Sandy Silt (ML) with abundant angular shale fragments - light brown, dry, slightly compact to locally locals, scattered rooks and rootlets Questionable Landsilide-affected rock (QIS?) or Creop-affected Bedrock: Sisquoe Formation (Tsq) MMC Weakly Indurated. highly fractured, scattered rooks, limonite weathering and providers of the weathering and providers of the weathering and providers of the weathering fractures, discontinuous bedding structure, locally providery 14.0° - Right olive sitistone with abundant gypsum; discontinuous and asymetric open fractures, discontinuous bedding structure, locally providery 16.0° - open fractures, discontinuous bedding and powdery (dry) 9.0° - massive with rootlets, powdery 14.0° - Right olive sitistone with abundant gypsum; discontinuous and asymetric open fractures, discontinuous bedding structure, locally providery 16.0° - open fractures, discontinuous bedding and powdery (dry) 9.0° - massive with rootlets, powdery 16.0° - open fractures, discontinuous bedding structure, locally provider, sightly most slightly most sligh	RILLING CONTRACTOR RC Drilling RILLING METHOD Track-Mounted Limited Access Dries CHECKED BY AT TIME OF DRILLING ATTEND OF DRILLING ATTEND OF DRI	PROJECT LOCATION Campineria, Santa Barbarr, STRIETARTED 3/13/18 COMPLETED 3/13/18 GROUND ELEVATION 64.4 ft NAVD88 HOLE SI RILLING CONTRACTOR RC Drilling RILLING METHOD Track-Mounted Limited Access DIGGED BY E. Pongracz CHECKED BY ATTIME OF DRILLING — AT END OF	RILLING CONTRACTOR RC Drilling RILLING METHOD Track-Mounted Limited Access AT TIME OF DRILLING AFTER DRIL	RILLING CONTRACTOR RC Drilling RILLING METHOD Track-Mounted Limited Access RILLING METHOD Track-Mounted Limited Access AT TIME OF DRILLING ATTER DRILLING ATTERER DRILLING AT

BORING NUMBER DH 05
PAGE 1 OF 1

PRO DAT DRIL DRIL LOG NOT	E STA LING LING GED I	NUMBE RTED 3 CONTRA METHO	R	RC Dri	and Recreation Dept. COMPLETED 3/14/18 Illing ed Limited Access CHECKED BY	PROJECT LOCATION OF GROUND ELEVATION OF GROUND WATER LEVE	Carpint 64 ft N. LS: LING .ING	eria, S	anta E	TERBE	ERG	4" inch	es
ELEV (#)	O DEPTH	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	GRAPHIC LOG	MATERIAL DESCR	IPTION	MOISTI	DRY UNIT WT. (pcf)	LIQUID	PLASTIC	PLASTICITY INDEX	FINES CONTENT (%)	OTHER TESTS
	20	MC MC		***************************************	Earth Fill (ef) Fine-grained Silty Sand / Sandy Silt (angular shale fragments - light brown locally loose, scattered roots and root Colluvium (Qc) Silt (ML) to Silt with fine-grained sand fragments and widely scattered grave light yellow brown, slightly moist, meroccasional charcoal fragment a.0' - 4"-6' thick paleosol in colluvium 3.5' - N65W, 28NE; soil exits boring 4.0' - sub-horizontal and slightly wavy Bedrock: Sisquoc Formation (Tsq) Mudstone/Siltstone - light brown to ligolive/brownish gray to dark olive gray moist to moist, moderately hard grad jointed, slightly weathered, massive to 4.5' - joint: N86W, 42S; gypsum-lined 5.0' - tight below 9.0' - bedding: N84E, 60N (overturned 18.0' - 19.0' - gradational transition to moderately hard, moist, very tight 19.0' - joint: N12W, 65SW; gypsum-lined 23.0' - joint: N12W, 65SW; gypsum-lined 23.0' - joint: N12W, 65SW; gypsum-lined Collects 9.5' - bedding: N85E, 70N (overturned 18.0' - 19.0' - gradational transition to moderately hard, moist, very tight 19.0' - joint: N12W, 65SW; gypsum-lined 23.0' - joint: N60W, 58SW	and scattered rock el/cobbles - light brown to dium stiff to stiff, mottled, sequence y contact with bedrock of (unoxidized), slightly ing to hard, tight, locally o bedded and slightly oxidized d); gypsul-lined with d) or gray mud/siltstone - ned	12	88	47	39	7		DS
- -30 - - - - -25	35 								8	32 (of '	119	

BORING NUMBER DH 06 PAGE 1 OF 1

- 1	CLIE	NT_C	ity of Ca	rpinteria,	Parks	and Recreation Dept.	PROJECT NAME Rincor	Multi-	Use T	rail				
	DATE	E STA	RTED_3	/14/18		COMPLETED 3/14/18	GROUND ELEVATION_6	4 ft N	38QV	_ но	LE SI	ZE _2	4" inch	es
- 1	DRIL	LING	CONTRA	ACTOR_F	RC Dri	lling	GROUND WATER LEVE	LS:						
-	DRIL	LING	METHO	D_Track-	Mount	ed Limited Access	AT TIME OF DRILL	.ING						
	LOG	GED I	3Y E. Po	ongracz		CHECKED BY	AT END OF DRILL	ING						
	NOT	ES _					AFTER DRILLING							
ŀ			ш						. 4	ATI	ERBE		ENT	
	ELEV (#)	o DEPTH (ff)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	GRAPHIC LOG	MATERIAL DESCR	PTION	MOISTURE CONTENT (%)	DRY UNIT WT. (pcf)	LIQUID	PLASTIC WI	PLASTICITY INDEX	FINES CONTEI (%)	OTHER TESTS
					***	Earth Fill (ef) 0-1.5' - Fine-grained Sand - light tan,	slightly moist, slightly							
-				-	₩	dense; occasional asphalt fragment	3 7 7	13						
ł		- 3	AU		₩	1.5' - 1"-2" thick weak soil developed	atop older fill	13						
ł	-60	 5			₩	Fine-grained Sandy Silt (ML) with sc	attered gravel and rock							
1	-		МС		\bowtie	fragments - mottled light brown, very	slightly moist	19	91					
İ					<u></u>	6.33' - fill/Qns contact								
					× × × × × × ×	Natural Soil (Qns)	to maint madium stiff							
-	-55		į.		× ×	Sandy Silt (ML) - brown, slightly mois caliche stringers along basal contact								
1	2	10	МС		× × × × × ×	7.0' - contact: N68W, 32SW; thin (1"- brown to tan fine-grained sand (aeoli	3") and discontinuous light an?) laver atop bedrock	8	105	-				
ŀ			IVIC		× × ×	Bedrock: Sisquoc Formation (Tsq		l-	100	1				
ŀ	1				IX X 3	Mudstone/Siltstone - light brown to light brown to light brownish gray to dark olive gray	(unoxidized), slightly							
ł		- 15			× × × × ×	moist to moist, moderately hard grad jointed, slightly weathered, massive	ing to hard, tight, locally							
Ì	-50	15			× × ×	8.0' - bedding: N84W, 67N (overturn	ed)							
2					× × ×	8.5' - joints: N86E, 54S; N73W, 75Nb 9.0' - bedding: N88W, 59N (overturn	ed)							
6)GINTIPROJECTS/70000 V2.GPJ					IX X D	11.0' - bedding: N84W, 77N (overture	ned); well-bedded							
0000	3				X X X X X X X X X X X X X X X X X X X	11.0' - highly fractured interval with re 16.0' - bedding: N84E, 74N (overturn	ed)							
TS/7	-45	3			X X X									
SHE		20	МС	1	× × × ×	 20.0' - bedding: N86E, 79N; gray lan	ninated siltstone							
TPR(-	-	IVIC	1	X X									
NGIN.		- :-			X X X X X X X X X X X X X X X X X X X									
(X86	-40				IX X 3	23.0' - bedding: N85W, 83N; gray to	brownish gray beds or							
ILES	-40	25	L		× × ×	concretions of fractured dolomite (?) 23.0' - 1/8" thick brown and moist cla	y seams along tight							
AM		. 2			× × ;	fractures and jointing, discontinuous 24.0' - siltstone - olive gray to dark o	ive gray slightly moist to							
OGR.					× ×	moist, hard, tight, unoxidized	ito gray, originaly motor to							
Ä	.				IX X 3									
47-6	-35				× × × × × × × × × ×									
9 19:	=	30	мс	-	X X X	Groundwater and/or seepage not en	countered. Boring							UC
113/1					1	backfilled with native cuttings.		-						
			•			Bottom of borehole a	it 31.0 leet.							
21.0	_30													
PAL GAL		35	_											
H.		- 22 8	=											
Ş			6											
희	8	-	-:							8	33	of '	119)
BENGAL BH V2 - BENGAL V1.GDT - 1/13/19 19:47 - C:\PROGRAM FILES (X8	_25	40					×							

Bengal Engineering 360 South Hope Avenue, Suite C-110 Santa Barbara, CA 93105

BORING NUMBER DH 07a PAGE 1 OF 1

relephone.	805-563-0788								
CLIENT City of Carpinteria, Parks	and Recreation Dept.	PROJECT NAME_Rincor	n Multi-	-Use T	rail				
PROJECT NUMBER		_							
DATE STARTED 8/16/18	COMPLETED 8/16/18	GROUND ELEVATION_1	14 ft N	IAVD8	88 HO	LE SI	ZE 2	4" inche	es
DRILLING CONTRACTOR_Tri-Val	lley Drilling	GROUND WATER LEVE	LS:						
DRILLING METHOD Bucket Auge	er	AT TIME OF DRILL	.ING	-					
	CHECKED BY	AT END OF DRILL	ING	-					
NOTES		AFTER DRILLING							
96			G	<u>_18</u>	ATT	ERBE	RG	ż	
COUNTS (M) COUNTS (N) COUNTS (N) COUNTS (N) CRAPHIC LOG		RIPTION	MOISTURE CONTENT (%	DRY UNIT W (pcf)	LIQUID	PLASTIC LIMIT	PLASTICITY INDEX	FINES CONTENT (%)	OTHER TESTS
GB -110 -5 -MC -105 -10 -105 -10 -15 -10 -15 -10 -15 -10 -15 -10 -15 -10 -15 -10 -15 -10 -15 -10 -15 -10 -15 -10 -15 -10 -15 -10 -10 -15 -10 -10 -15 -10 -10 -15 -10 -10 -15 -10 -10 -15 -10 -10 -10 -10 -10 -10 -10 -10 -10 -10	Earth Fill (ef) Fine-grained Sandy Silt with scattere light brown to light grayish brown, dr 6" thick layer of pea gravel, continou Bedrock: Monterey Formation (Trn Diatomaceous Shale/Siltstone and S grayish brown, moist to slightly mois (well-cemented), well-bedded; contin advance boring from 6' to bottom of moderate hydrocarbon odor 4.0' - bedding: N81E, 84N (overturne 5.5' - bedding: N83E, 83N (overturne 6.0' - joint: N03E, 68W 6.5' - joint: N11W, 37W 8.0' - continued coring with 18"-24" of in cuttings 9.0' - bedding: N84W, 86N (overturn 10.0' - bedding: N86W, 84N (overturn 13.0' - bedding: N78W, 83N (overturn 16.0' - bedding: N81W, 84N (overturn 16.0' - bedding: N8	y, loose to slightly compacts around boring 1) Siliceous Shale - light tan to to very hard nous coring required to borehole, slight to ed); caliche-lined ed) elemented and hard blocks ed) ned) ned) ned) countered. Boring crete slurry.	16	78					
					8	34 d	of 1	119	

BORING NUMBER DH 07b

CLIENT	City of Ca	rpinteria,	Parks	and Recreation Dept.	PROJECT NAME Rincor	Multi-	-Use T	rail				
	CT NUMBE								arbara	a Cour	nty, CA	
DATE S	TARTED_8	3/16/18		COMPLETED 8/16/18	GROUND ELEVATION 1	15 ft N	IAVD8	38 HO	LE SI	ZE _2	4" inch	es
DRILLIN	IG CONTR	ACTOR_	Tri-Vall	ey Drilling	GROUND WATER LEVE	LS:						
DRILLIN	IG METHO	D_Bucket	Augei	•	AT TIME OF DRILL	ING						
LOGGE	D BY <u>E. P</u>	ongracz		CHECKED BY	AT END OF DRILLI	NG	-					
NOTES					AFTER DRILLING							
	ш						_2	ATT	ERBE	RG	N.	
ELEV (ff) DEPTH	SAMI	BLOW COUNTS (N VALUE)	GRAPHIC LOG	MATERIAL DESCR	PTION	MOISTURE CONTENT (%	DRY UNIT W (pcf)	LIQUID	PLASTIC LIMIT	PLASTICITY INDEX	FINES CONTENT (%)	OTHER TESTS
				Earth Fill (ef) Fine-grained Sandy Silt with scattere light brown to light grayish brown, dry Bedrock: Monterey Formation (Tm	, loose to slightly compact							
-	MC MC	1		Diatomaceous Shale/Siltstone - light	tan to light grayish brown,	19	66					
-110 -5				moist to slightly moist, slightly to mod slight to moderate hydrocarbon odor 3.0' - bedding: N88W, 83N (overturna 3.5' - shear (bedding parallel): N86W light tan to olive green plastic clay go 4.0' - joint: N11E, 78NW	ed) /, 84N; 1" thick sheared							
105	0 MC	-		10.0' - bedding: N87W, 85N (overturi	ned)	18	86	-				
+ +	IVIC			11.0' - shear (bedding parallel): 1"-2"	•	10	00					
	1			occasional caliche nodule 12.0' - joint: N08E, 86E								
100 1	5					19	94					
Z.GPJ	MC MC		\blacksquare	Groundwater and/or seepage not en- backfilled to surface with 2-sack cond	countered. Boring	15	34					
,			3	Bottom of borehole a								
31700	_											
95 _2	0											
												
NGIN -	·											
X88	-											
90 <u>2</u>	5											
RAM	-											
	S as Y											
-C:K	1.00 1.00 1.00											
85 3	0_											
13/19	=											
1-1	-											
71.GD	**											
BENGAL BH V2 - BENGAL V1.GDT - 1/13/19 19.47 - C. PROGRAM FILES (X86))GINTYPROJECTS/70000 V2.GPJ	5											
BE												
\	-								. –	_		
SALE	:#:							3	35	of '	119)
- 4	0											

BORING NUMBER DH 08 PAGE 1 OF 1

DATE DRIL	E STA .LING	CONTRA	3/17/18 ACTOR_	Tri-Val	COMPLETED 8/17/18 lley Drilling		206.5 ft E LS :	t NAVI	D8 8HC	DLE SI	IZE _2	4" inch	nes
			D Bucket		CHECKED BY	AT TIME OF DRILL							
	GED I ES	ST E.I.	Ingracz		_ CHECKED BY	AT END OF DRILL AFTER DRILLING							
-				_		AFTER DAILLING				ים חייי	-20		
(¥)	O DEPTH	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	GRAPHIC LOG	MATERIAL DESCRIP	'TION	MOISTURE CONTENT (%)	DRY UNIT WT. (pcf)	LIQUID	PLASTIC WIT LIMIT	PLASTICITY OF INDEX	FINES CONTENT (%)	OTHEI TESTS
205	4 A	_ S GB		W I	Fine-grained Silty Sand to Sandy Silt v fragments - mottled light brown, slightly compact, scattered roots	vith scattered rock y moist, moderately	5	;					
200	10	MC MC	1-2		Marine Terrace Deposits (Qtm) Fine-grained Sand with some to trace to light orange brown gradding to light moist, moderately dense grading to de 8.0' - wavy, sub-horizontal contact with	golden brown / light tan, ense	5						
195		MC MC	1-2		scattered rootlets, minor sloughing 9.0' - 9.5' - sharp, irregular and wavy c weathered and very moist bedrock	contact with highly	25	80	67	43	24		DS, A
. 20		□ GB A	1-1		Bedrock: Monterey Formation (Tm) Diatomaceous Shale/Siltstone to Phos light brown to light gray to light brownis	sphatic/Organic Shale - sh gray to light rust	17	83					DS, A
190					orange, moist to very moist, very stiff to moderately hard, laminated and well-b grading to slightly weathered (upper 2'	o silightly hard to edded, moderately highly weathered)		K					
185	<u>20</u> 	MC MC	1-2		12.0' - bedding: N72W, 81NE (overturn 13.0' - 4"-5" long, 1/2"-3/4" wide open a fracture on SE side of borehole 18.0' - bedding ?: N55W, 82SW 18.0' - joint: N37E, 75NW; clayey silt-liu slightly polished	and discontinuous	38	77	56	42	14		
180	30	4.110			slightly polished 24.0' - joint set: N34E, 71NW; 6" spaci 24.0' - bedding: N35W, 82NE (overturr 26.0' - bedding: N64W, 78NE (overturr 26.0' - joint: N22E, 78NW; slightly polis 29.5' - bedding: N42W, 78NE (overturr	ned) ned) shed							
175		MC MC	5-8		32.0' - bedding: N50W, 80NE (overturn		38	71					DS
170		• GB			34.0' - joint set: N62W, 74SW; 2" spaci 34.0' - joint set: N39E, 72NW; 4" spaci	ng							
165		⊕ GB A	6-13		37.5' - shear: E-W, 71S; siliceous shale shale of hanging wall 38.0' - shear (bedding parallel): N42W, oxidized, weathered and sheared, offse 38.5' - bedding: N40W, 78NE (overturn 40.0' - bedding: N41W, 81NE (overturn Laminated phosphatic shale with abuncture)	, 68NE; 2"-3" thick et by shear at 37.5' ned) ned) dant small phosphate	22						
160	50				nodules - off-white to light gray, scatter tight fractures	ed gypsum-lined and							
155		MC MC	4-9		Service and/or anapage not once	D-4	32	84					
150	-			1	Groundwater and/or seepage not enco backfilled with native materials.	untered. Boring	_	-					

Bengal Engineering 250 Big Sur Drive Goleta CA 93117 Telephone: (805) 685-6511

TEST PIT NUMBER TP 01 PAGE 1 OF 1

			nd Recreation Dept									
PROJECT NUM	BER			PROJECT LOCATION Ca	rpinter	ia, SB	Cour	ity, CA			Q: Di	
			COMPLETED 4/23/13				TES	ST PIT	SIZE	24 x	36 incl	hes
EXCAVATION (CONTRACTOR	Mike'	s Excavating Service	GROUND WATER LEVELS	:							
EXCAVATION I	METHOD Har	nd-Dug	Test Pit	AT TIME OF EXCAVA	NOITA							
LOGGED BY	3. Masterman		CHECKED BY	AT END OF EXCAVA	TION							
NOTES				AFTER EXCAVATION								
ELEV (ft) (ft) SAMPLE TYPE	NUMBER BLOW COUNTS (N VALUE)	GRAPHIC LOG	MATERIAL DES	CRIPTION	SAINED SHR ENGTH (tsf)	DISTURE JTENT (%)	DRY UNIT WT. (pcf)	LIMIT	PLASTIC WE BE	3	FINES CONTENT (%)	OTHER TESTS
185.0 0.0 WAY	z -02	ō			STRE	ĕġ	PR)	35	J.	PLAS	FINE	É
	GB 1		Earth Fill (ef) Silty Gravel (GP) - yellowish bro moist, medium to coarse-graine plastic, asphalt and paper some clay binder	own, very dense, slightly d, with gravel to 1", pieces of		16						SHEAF MAX
RP RINCON I RAIL BINE:			dark brown to whitish brown; wit shale fragments	h numerous sandstone and								
182.5 2.5			Silty Sand (SM) - dark brown, versine- to medium-grained sand, versite Switched to augers	ery dense, slightly moist, with whitish tan lenses.								
180.0 5.0	MC 2					19	74					
STORY TO STO	MC,		Terrace Deposits (Qtm) Sand (SP) - light reddish tan, de fine-grained	ense, slightly moist,		3	110					
BENGAL GEOTECH BH V5 - BENGAL MOD GINT STD US LAB 2-10-10.GDT - 773/13 10:04 - C:/PROGRAM FILES (X88)/GINTPROJECTS/CARP RINCON TRAIL BIKEWAY GRU 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2	Į.	125304	No water, no caving Bottom of test p	oit at 7.5 feet.								
IENGAL (გ	37 d	ot 1	19		

Bengal Engineering 250 Big Sur Drive Goleta CA 93117 Telephone: (805) 685-6511

TEST PIT NUMBER TP 02 PAGE 1 OF 1

CLIE	ENT _C	City of Ca	rpinteria.	Parks a	and Recreation Dept	PROJECT NAME Carp R	ncon 1	rail B	ikeway					
PRO	JECT	NUMBER	₹			PROJECT LOCATION _Ca	rpinter	ia, SE	Coun	ty, CA				
DAT	E STA	RTED _4	1/23/13		COMPLETED 4/23/13	GROUND ELEVATION 18	6 ft		TES	ST PIT	SIZE	24 x	36 inc	hes
EXC	AVAT	ION CON	TRACTOR	Mike	's Excavating Service	GROUND WATER LEVELS	3 :							
EXC	AVAT	ION MET	HOD Har	nd-Dug	Test Pit	AT TIME OF EXCAV	ATION							
LOG	GED I	BY G.M	lasterman	9	CHECKED BY	AT END OF EXCAVA								
NOT	ES_					AFTER EXCAVATIO								
		Щ					St)		DRY UNIT WT. (pcf)	ATT	ERBE		١	Ø
	[돌 _	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	GRAPHIC LOG			USE S €	유민	≥ _				FINES CONTENT (%)	OTHER TESTS
ELEV (≇)	DEPTH	빌	\2\5\\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	₽3	MATERIAL DESC	CRIPTION	120	ISE EN	N S S	LIQUID	PLASTIC LIMIT	PLASTICITY INDEX	88	22
		ΑŽ	Los	p			몽뿐	88	잝	Ĭġ⋚	<u>§</u> }	IS SI	ES	뿔
	0.0	0)					30	0			Ъ	_	Ē	0
L .				\bowtie	Earth Fill (ef) Silty Gravel (GM) - dark brown to	reddish brown, medium								
185.0				\bowtie	dense, slightly moist, gravel to 1. 0.5'.	/2", organic rich in upper								
\$					Terrace Deposits (Qtm)									
NEWA -	Ť	MC WC			Sand (SP) to Silty Sand (SM) - d dense, slightly moist, fine- to me	ark brown to reddish tan,	1	3	107					SHEAF
	t t	1	1		gravel	didiri grained, occasionar i		_	107					OI ILA
5 -	2.5													
	_	✓ MC			tree roots to 1.5" dia., porous					8				
182.5		2			Switched to hand auger at 3' beli	ow grade		2	108					SHEAR
5														
	5.0													
-	3.0	Ť .												
	-													
180.0	-	✓ MC												
Š		3						4	107					
<u></u>	L .													
5	7.5													
177.5	1				reddish brown									
177.5			1											
-														
	- 24													
1 -	10.0	1.10												
3		MC 4						3	103					

No water, no caving Bottom of test pit at 10.5 feet.



Bengal Engineering 250 Big Sur Drive Goleta CA 93117 Telephone: (805) 685-6511

TEST PIT NUMBER TP 03 PAGE 1 OF 1

	CLIE	NT _C	ity of Car	rpinteria, F	arks a	nd Recreation Dept	PROJECT NAME Carp Ri	ncon	Trail B	keway					
-	PRO.	JECT	NUMBER				PROJECT LOCATION Ca	rpinte	ria, SE	Cour	ty, CA				
	DATE	STA	RTED 4	/23/13		COMPLETED 4/23/13	GROUND ELEVATION 18	0 ft		TES	T PIT	SIZE	24 x 3	36 inch	nes
	EXC	AVATI	ON CONT	TRACTOR	Mike	's Excavating Service	GROUND WATER LEVELS	:							
	EXC	AVATI	ON METH	HOD Han	d-Dug	Test Pít	AT TIME OF EXCAVA	ATION	-						
	LOG	GED E	Y G. M	asterman		CHECKED BY	AT END OF EXCAVA	MOITA							
	NOT	ES					AFTER EXCAVATION	N							
	ELEV (#)	DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	GRAPHIC LOG	MATERIAL DESC	CRIPTION	UNDRAINED SHR STRENGTH (tsf)	MOISTURE CONTENT (%)	DRY UNIT WT. (pcf)	LIQUID LIMIT	PLASTIC WIN		FINES CONTENT (%)	OTHER TESTS
1		0.0	SAME	mos z	R.			UNDR	S S S S S S S S S S S S S S S S S S S	DRY	음들	P.L.A.	PLAST	FINES	OTH
- 7/3/13 10:04 - C:\PROGRAM FILES (X88)\GINT\PROJECTS\	177.5	5.0	MC 1			Terrace Deposits (Qtm) Sand (SP) - reddish brown, dens medium-grained	se, slightly moist, fine- to		5	105					SHEAR
OD GINT STD US LAB 2-10-10,GD			<i>y</i> 4			No water, no caving Bottom of test p	it at 6.0 feet.								
BENGAL GEOTECH BH V5 - BENGAL MOD GINT STD US LAB 2-10-10,GDT										8	89 d	of 1	19)	



Bengal Engineering 250 Big Sur Drive Goleta CA 93117 Telephone: (805) 68

TEST PIT NUMBER TP 04 PAGE 1 OF 1

CLIE	NT _C	ity of Ca	arpinteria, l	Parks a	nd Recreation De	ept	PROJECT NAME Carp R	incon -	Trail B	ikewa	y				
PRO	JECT	NUMBER	₹			PROJECT LOCATION Carpinteria, SB County, CA									
DATE STARTED 4/23/13					COMPLETED	4/24/13	GROUND ELEVATION				TEST PIT SIZE 24 x 36 inches				
EXC.	AVATI	ON CON	TRACTOR	Mike	's Excavating Ser	GROUND WATER LEVELS:									
EXC.	AVATI	ON MET	HOD Har	nd-Dug	Test Pit		AT TIME OF EXCAV	ATION							
LOG	GED B	Y E. P	ongracz		CHECKED BY		AT END OF EXCAVA	ATION							
NOT	ES _						AFTER EXCAVATIO	N							
_	ī	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)					UNDRAINED SHR STRENGTH (tsf)	MOISTURE CONTENT (%)	DRY UNIT WT. (pcf)	L	LIMITS	PLASTICITY BARBINDEX INDEX	FINES CONTENT (%)	OTHER TESTS
ELEV (ft)	O.O. (ft)			GRAPHIC LOG		MATERIAL DESC	CRIPTION					PLASTIC			
					abundant roof	ML) - brown, slightl	y moist, medium dense, d horizontal contact with sands.								
	2.5	- -			*Fault (presur Formation bed	mably the Carpinter drock (Tm) in conta	ria Fault) places Monterey act with Terrace Sands (Qt).								
					slickensided s		ick brown clay gouge w/ ock, fault places Tm in sits (Qt)								
					bedding: N752	2W/60S									
	5.0					Bottom of test pi	t at 5.0 feet				L		l	لِسا	
										9	0 c	of 1	19		



TEST PIT NUMBER TP 05 PAGE 1 OF 1

	CLIEN	NT_C	ity of Ca	rpinteria, F	arks a	nd Recreation Dept	PROJECT NAME Carp Ri	ncon ⁻	rail B	keway					
- 1			NUMBER												
-	DATE	STAF	RTED 4	/23/13		COMPLETED 4/23/13	GROUND ELEVATION 16	4 ft		TES	T PIT	SIZE	24 x	36 incl	hes
	EXCA	VATIO	ON CON.	TRACTOR	Mike'	s Excavating Service	GROUND WATER LEVELS	: :							
-	EXCA	VATIO	ON METI	HOD Har	id-Dug	Test Pit	AT TIME OF EXCAV	ATION							
-	LOGG	ED B	Y G. M	asterman		CHECKED BY	AT END OF EXCAVA	MOITA							_
-	NOTE	s _					AFTER EXCAVATION	N :							
	ELEV (ft)	DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	GRAPHIC LOG	MATERIAL DESC	CRIPTION	UNDRAINED SHR STRENGTH (tsf)	MOISTURE CONTENT (%)	DRY UNIT WT. (pcf)	LIQUID	PLASTIC WINT		FINES CONTENT (%)	OTHER TESTS
	164	0	Ś					32	0			т.	굽	순	
- 7/3/13 10:04 - C'APROGRAM FILES (X86)/GINTAPROJECTS/CARP RINCON TRAIL BIKEWAY.GPJ	163	1				Earth Fill (ef) Silty Gravel (GM) - dark brown to dense, moist, numerous roots, a 1" Bedrock: Monterey Formation (Siliceous Shale - dark gray to blaslabby, tightly fractured, slightly south side of test pit	ngular gravels from 1/2" to Tm) ack, moderately hard,								
	161	3	MC 1						27	67	54	48	6		ATT, SHEAF
10.GE			_			Bottom of test p	t at 3.0 feet.								
BENGAL GEOTECH BH V5 - BENGAL MOD GINT STD US LAB 2-10-10 GDT										Q	11 (of 1	119)	
BENGAL GE										9	1 0	of 1	119		

Bengal Engineering 250 Big Sur Drive Goleta CA 93117

TEST PIT NUMBER TP 06 PAGE 1 OF 1

					•	05) 685-6511										
								PROJECT NAME Carp R								
	PRO	JECT	NUMBER	₹				PROJECT LOCATION Ca	arpinte	ria, SB	Cour	ty, CA	١			
- 1	DATI	E STAI	RTED _4	/24/13		COMPLETED	4/24/13	GROUND ELEVATION			TES	ST PIT	SIZE	24 x	36 incl	nes
								GROUND WATER LEVELS								
	EXC	AVATI	ON METI	HOD Har	nd-Dug	Test Pit		AT TIME OF EXCAV	ATION							
- 10	NOT	ES						AFTER EXCAVATIO								
t									<u>ا</u> د			ATT	ERBE	RG	- 1	
		_	SAMPLE TYPE NUMBER	l ω _Ū	၂၀				UNDRAINED SHR STRENGTH (tsf)	MOISTURE CONTENT (%)	DRY UNIT WT. (pcf)	!	IMITS		FINES CONTENT (%)	OTHER TESTS
i	(#) (#)	DEPTH (ft)	Е Т 18Е	SE3	톲이		MATERIAL DES	CDIDTION			들음	۵.	ပ္ ၂	È√	N G	Ë
Į i	ц <u> </u>	E	A N	BLOW COUNTS (N VALUE)	GRAPHIC LOG		WINTERNAL DEG	ONI HON	EN ₹	SE	[50	浸	TST IMI	FEB1	ပို့	Ä
-1			SAI	ا عق					EK.	≥Ö	R/	LIQUID	77	PLASTICITY INDEX	Ä	F
H	_	0			XXX	Earth Fill (ef)			1200	_				п.	ш	
						Silt (ML) with	some Sand and so	cattered rock fragments -								
GP.					\bowtie	light brown, sl	lightly dense, sligh	tly moist, abundant roots								
WAY.					\bowtie											
3KE					₩					3						
AILE					\bowtie											
N T					$\otimes\!\!\otimes$								74			
NCO		1														
R R					\bowtie											
SICA	13															
ECTS					\bowtie											
ROJ					XXX											
IN						Bedrock: Mor	nterey Formation ((Tm)	1							
96)VG		- 4				Siliceous Sha		k gray to black, moderately								
S		2				naid, slabby,	ugnuy iractured									
삅		-	× MC							14	73					
SRAM			1_1_													
80																
2																
BENGAL GEOTECH BH V5 - BENGAL MOD GINT STD US LAB 2-10-10.GDT - 7/2/13 10.04 - C./PROGRAM FILES (X8B)/GINT/PROJECTS/CARP RINCON TRAIL BIKEWAY, GPJ						Test pit backfi seepage was	illed with native ma not encountered. Bottom of test p	aterials. Groundwater and/or it at 2.5 feet.			9	2 0	of 1	19		
BEN											_	_	•	_		

TEST PIT NUMBER TP 07 PAGE 1 OF 1

					nd Recreation Dept									
													91 10	
DAT	E STAI	RTED 4	/24/13		COMPLETED 4/24/13	GROUND ELEVATION 14	0 ft		TES	ST PIT	SIZE	24 x	36 incl	nes
EXC	AVATI	ON CON	TRACTOR	Mike	's Excavating Service	GROUND WATER LEVELS	: :							
EXC	AVATI	ON MET	HOD Har	nd-Dug	Test Pit	AT TIME OF EXCAV	ATION							
LOG	GED B	Y E. Po	ongracz		CHECKED BY	AT END OF EXCAVA	TION	***						
NOT	ES					AFTER EXCAVATION	N							
				T			¥ €			ATI	ERBE	RG	5	(0
		YPE	ω _(i)	ا _{دا}			유 (국)	MOISTURE CONTENT (%)	 		LIMITS		FINES CONTENT (%)	OTHER TESTS
ELEV	DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	GRAPHIC LOG	MATERIAL DES	PIPTION	見ら		들등		일	PLASTICITY INDEX	N Q	
∃ _#		₽ N	필일중	₹3	WINTERINE DEC	ordi Hori	N N		> 	LIQUID	PLASTIC LIMIT	STI	SS	里
		SAN	ا ح					≥8	R	=-]	₹		6
140	0			SEE S	Slonowach (Ocw)		12 "		-			-	ш	
					Slopewash (Qsw) Sandy Silt / Silty Sand (SM) with	scattered rock fragments								
2	† 1				light brown, slightly dense, sligh	tly moist, scattered roots				ŀ				
¥.	ļ. :-													
XE.					Bedrock: Santa Barbara Forma	tion (Qsb)	1							
AIL B	† †				Sand to Silty Sand with cemente concretions - light yellowish brown	ed zones and scattered								
- E					moderately hard, moist, fossilife	rous (broken shell hash)								
2 139	1			:::::										
R S				:::::										
- KA	+ -													
ECTS														
ROJ			-					_		1				
EN-	+ -	N /I		11111			1							
9)(9)	L .	MC		:::::				11	98					
88 400		M .												
<u> 138</u>	2		-							1				
AAM .	ļ									1				
Ö														
하	+ -													
5	↓ -			:::::										
5				:::::										
713/	+ -													
[137	3		_							-				
5		М												
12-10	† -	MC 2						13	99					SHEAF
<u></u>	4 -	/\ ~		:::::										
J. O.		Y Y.		1			1	-					-	
INIS														
MOD (
NGAL					Test pit backfilled with native management	aterials. Groundwater and/or								
5 - BE					seepage was not encountered. Bottom of test p	it at 3.5 feet.								
HH N														
BENGAL GEOTECH BH V5 - BENGAL MOD GINT STD US LAB 2-10-10.GDT - 7/3/13 10:04 - C./PROGRAM FILES (X86)/GINTYPROJECTS/CARP RINCON TRAIL BIKEWAY.GPJ 1														
AL GE									S	93 (of 1	19)	
SENG														



Bengal Engineering 250 Big Sur Drive Goleta CA 93117

TEST PIT NUMBER TP 08
PAGE 1 OF 1

Telephone: (80)5) 685-6511									
CLIENT City of Carpinteria, Parks an	nd Recreation Dept	PROJECT NAME Carp R	ncon	rail B	keway	/				
PROJECT NUMBER		PROJECT LOCATION Ca	ırpinte	ria, SB	Coun	ty, CA	v			
DATE STARTED 4/24/13	COMPLETED _4/24/13	GROUND ELEVATION			TES	T PIT	SIZE	24 x	36 incl	hes
EXCAVATION CONTRACTOR Mike's	s Excavating Service	GROUND WATER LEVELS	: :							
EXCAVATION METHOD Hand-Dug T	Γest Pit	AT TIME OF EXCAV	ATION							
LOGGED BY E. Pongracz			NOITA							
NOTES		AFTER EXCAVATION								
ELEV (ft) O DEPTH (ft) (ft) (ft) SAMPLE TYPE NUMBER COUNTS (N VALUE) (GRAPHIC LOG	MATERIAL DESC	CRIPTION	UNDRAINED SHR STRENGTH (tsf)	MOISTURE CONTENT (%)	DRY UNIT WT. (pcf)	LIQUID	PLASTIC MIT LIMIT	PLASTICITY DINDEX	FINES CONTENT (%)	OTHER TESTS
	Slopewash (Qsw) Sandy Silt (ML) with scattered ro slightly dense, slightly moist, sca Fault Zone (Sheared bedrock) Test pit excavated on supposed Complex zone of shearing/faultin Monterey (Tm) and Santa Barbarthrust up and over Qsb. Shear: N50W/16SW; base of 3"	Carpinteria fault trace ng which brings into contact ra (Qsb) formations. Tm								
	Test pit backfilled with native mat seepage was not encountered. Bottom of test pit				9.	4 c	of 1	19		



BENGAL GEOTECH BH V5 - BENGAL MOD GINT STD US LAB 2-10-10.GDT - 7/3/13 10:04 -

Bengal Engineering 250 Big Sur Drive Goleta CA 93117 Telephone: (805) 685-6511

TEST PIT NUMBER TP 09 PAGE 1 OF 1

	NT C	in of Co.	enlistario F	Dorlen o	nd Recreation Dept	DDO IECT NAME Carp Pi	ncon T	rail Ri	keway	,				
						PROJECT LOCATION Ca								
					COMPLETED 4/24/13		•						36 inch	nes
					's Excavating Service						J ,		00 11101	
1					Test Pit									
			\		CHECKED BY									
1			Jilgracz			AFTER EXCAVATION		~						
NO				<u> </u>		AI TER EXORYATIO	_		_	•	ERBE	RG		
1		PE		,			UNDRAINED SHR STRENGTH (tsf)	MOISTURE CONTENT (%)	DRY UNIT WT. (pcf)	i	IMITS	3	ENT	OTHER TESTS
	DEPTH	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	GRAPHIC LOG	MATERIAL REGI	PIDTION	의 된	ŖΑ	= E	o.	ပ္	PLASTICITY INDEX	FINES CONTE (%)	Ĕ
2€	[발۴]	P IN	<u> </u>	풀의	MATERIAL DESC	CRIPTION	E§	SS	55	LIQUID	PLASTIC LIMIT	STIC DEV	ပြင္	ᆔ
	-	SAN	02	ြတ္			P. F.	≥0	R R	🎽 🗕	김기	ĕ≅	빌	- E
<u> </u>	0			1910	Slopewash (Qsw)] D W					-	-	
1				-	Sandy Silt (ML) with scattered ro	ck fragements - light brown,								
					soft to loose, slightly moist, scatt	tered roots, downhill sloping								
				· 4										
				- I I A	Bedrock: Monterey Formation (Siliceous Shale and Diatmoceou	Tm)]							
					brown, slightly to moderately har	d, well-bedded, tightly								
	-:				fractured, slightly weathered									
	1	-												
	Ī													
3	- >													
	2				hadding: NGE\A/A/ad									
		\/			bedding: N65W/Vert									
<u> </u>		MC 1						14	99					
-		/\												

Test pit backfilled with native materials. Groundwater and/or seepage was not encountered.

Bottom of test pit at 2.5 feet.

TEST PIT NUMBER TP 10 PAGE 1 OF 1

1					03/ 003-0311									
					nd Recreation Dept									
					COMPLETED _4/24/13				TES	ST PIT	SIZE	24 x	36 inc	hes
					's Excavating Service		S:							
					Test Pit									
					CHECKED BY	AT END OF EXCAVA	MOITA							
NOT	ES_					AFTER EXCAVATIO	N							
		ш					光色		. 53	AT	FERBE	RG	늘	ß
		문품	BLOW COUNTS (N VALUE)	₽			S E	[품)	DRY UNIT WT. (pcf)		LIMITS	>	臣	OTHER TESTS
ELEV (#)	DEPTH (#)	SAMPLE TYF NUMBER	224	GRAPHIC LOG	MATERIAL DESC	CRIPTION	발	ISE SE	Fa	₽⊨	PLASTIC LIMIT	I 등 자	ဂ္ဂ်န္လ	=
ш	□	Ä	85°	[유]			NA W	S S	≿	LIQUID	ASI		ES (포
117	0	Ś					UNDRAINED SHR STRENGTH (tsf)	6	늅		<u> </u>	PLASTICITY INDEX	FINES CONTENT (%)	P
				XXX	Earth Fill (ef)							_		
- :-	L .				Sandy, Clayey Silt (ML) with sca brown, medium stiff, moist, mott	ttered rock fragments - light								
					brown, mediam stin, moist, mott	ieu, iew ioots								
-	1													
	- 1													
				$\otimes\!\!\otimes$										

116	1			<u> </u>									X5	
					Bedrock: Monterey Formation (Siliceous Shale and Shale - gray	Tm)								
					moderately hard, well-bedded, ti-	ghtly fractured, moderately								7
					weathered and highly fractured to	o 2.5' below grade								
- 2 i=														
115	2	-												
	- 7													
-0 s -	- 1-													
-o =	es se													
114	3													
		1			bedding: N85W/82N (overturned)								
	- 4							16						SHEAF
	ı	// MC						16	80					CHEM
116		GB 2 MC 1						16 16	80					
					Test pit backfilled with native ma seepage was not encountered. Bottom of test pi									
									_	•		4.5		
									9	6 c	of 1	19		



TEST PIT NUMBER TP 11 PAGE 1 OF 1

CLIE	NT Ci	y of Ca	rpinteria, f	Parks an	d Recreation Dept	PROJECT NAME Carp R	incon T	rail Bi	keway					
PRO.	JECT N	UMBER	٠			PROJECT LOCATION _Ca	arpinte	ia, SB	Coun	ty, CA				
DATE	STAR	TED _4	/25/13		COMPLETED 4/25/13	GROUND ELEVATION			TES	T PIT	SIZE	24 x	36 inch	nes
EXCA	VATIO	N CON	TRACTOR	Mike's	Excavating Service	GROUND WATER LEVELS	S:							
EXCA	VATIO	N MET	HOD Har	nd-Dug T	est Pit	AT TIME OF EXCAV	ATION	_						
LOGG	GED B	_E, P	ongracz		CHECKED BY	AT END OF EXCAV	ATION							
NOTE	ES					AFTER EXCAVATION	N							
	DEPTH (ft)	201	BLOW COUNTS (N VALUE)	GRAPHIC LOG	MATERIAL DESC	ad tw	UNDRAINED SHR STRENGTH (tsf)	MOISTURE CONTENT (%)	NIT WT.	AT1	PLASTIC WIT	RG } ≿LIX	FINES CONTENT (%)	OTHER TESTS
E	0.0	SAMPLE TYPE NUMBER	S COL	GRA	549	V0 10 ⁴	UNDRAI	MOIS	DRY U	DO!!	PLAS	PLASTI	FINES (OTHER
7/3/13 10:04 - C.YPROGRAM FILES (X88)/GINTIPROJECTS/CARP RINCON TRAIL BIKEWAY, GPJ	2.5				@4' - Layer of mixed seaweed a Beach Sand (Qbs) Fine- to medium-grainded Sand light brown to tan, loose to slight caving	ey with abundant rock stiff, dry to slightly moist, and large rock fragments with scattered cobbles -								
BENGAL GEOTECH BH V5 - BENGAL MOD GINT STD US LAB 2-10-10.GDT			ı		Test pit backfilled with native ma seepage was not encountered. Bottom of test p				9)7 (of 1	19		



TEST PIT NUMBER TP 12 PAGE 1 OF 1

					nd Recreation Dept									
					COMPLETED (10514)									
					COMPLETED 4/25/13			_	TES	ST PIT	SIZE	24 x	36 inc	hes
					's Excavating Service Test Pit									
LOC	GED	BY E.P	ongracz	No man	CHECKED BY	AT END OF EXCAVA	ATION	_						<u> </u>
						AFTER EXCAVATION								
		ш					Ψ°		(6)	AT	TERBE	RG	<u> </u>	- co
>	E	두띮	NE G	일			UNDRAINED SHR STRENGTH (tsf)	T.(%)	M M		PLASTIC WIT	} 	FINES CONTENT (%)	OTHER TESTS
ELEV	DEPTH	SAMPLE TYF NUMBER	BLOW COUNTS (N VALUE)	GRAPHIC LOG	MATERIAL DESC	CRIPTION	AINE	IST.	P C C	음듵	STIC	PLASTICITY INDEX	S.S.	품
		SAM	os	<u></u>			TRE	₽ S S S	₹	<u> </u> ₫≦		AST	NES	<u>H</u>
	0.0			XXX	Earth Fill (ef)		Śσ	ŭ				4	<u> </u>	
					Silt with some Sand (ML) with so stiff, slightly moist, porous with s	cattered shale fragments,								
					trash	Callered roots, rew bits or								
		in GB												
	-	1												
	2.5													
	2.0	†												
		MC 2						18	87					SHEAR
		/ V	1											
		MC 3						17	90					
	-	/ V	1											
	5.0			4.50	@4'-8" - Brown Clayey Silt (ML)	with scattered small angular								
				· 0	to rounded rock fragments, mois fragments (weakly developed so	t, occasional shell								
				٥	Beach Sand (Qbs) Fine- to medium-grainded Sand	with scattered cobbles -								
				0	light brown to tan, loose to slight	ly dense, dry, prone to								
					(
					Test pit backfilled with native ma	terials. Groundwater and/or								
					seepage was not encountered. Bottom of test pi									
									q	8 c	of 1	10	J	
									J		<i>/</i> 1 1	10		

TEST PIT NUMBER TP 13 PAGE 1 OF 1

CLIF	OT C	ity of Ca	rpinteria F	arks ar	nd Recreation Dept	PROJECT NAME Carp R	incon T	Γrail Βi	keway					
					To recordation bags									
					COMPLETED 4/25/13									nes
					s Excavating Service									
EXC	AVATIO	ON METI	HOD Har	nd-Dug	Test Pit	AT TIME OF EXCAV	ATION	_						
LOG	GED B	Y <u>E. P</u>	ongracz		CHECKED BY	AT END OF EXCAVA	NOITA							
NOT	ES					AFTER EXCAVATIO								
		Д					JNDRAINED SHR STRENGTH (tsf)	 @	ું. }		ERBE	3	FINES CONTENT (%)	STS
> _	l _Ĕ ₋l	E.H	NES NE	을 ₀			미	15.P	ੂ ਦਿ >		O	<u>`</u>	N (
ELEV (≇)	DEPTH (ft)	PLE	BLOW COUNTS (N VALUE)	GRAPHIC LOG	MATERIAL DES	CRIPTION	ENG!	SE	5ĕ	불	PLASTIC LIMIT	SE	ပ္သ	OTHER TESTS
		SAMPLE TYPE NUMBER	02	ြ ြ			P. E.	MOISTURE CONTENT (%)	DR.	==	J.	PLASTICITY INDEX	N.	Į.
	0.0			XXXX	Earth Fill (ef)		12 "					ш.	<u> </u>	_
				\bowtie	Silt with some Sand (ML) with all light brown, soft and loose, dry,	oundant shale fragments -								
					caving	profite to slougilling and								
	2.5	-												
				$\otimes\!\!\otimes$										
	T 37													
	- 2-													
						2								
	5.0	ž.												
						~								
	1													
					@7' begin to hand auger									
	7.5	-												
				****	Beach Sand (Qbs)		1							
	-			1255	Fine- to medium-grainded Sand light brown to tan, loose to sligh	with scattered cobbles -		-			-			•
					caving @~8' hand auger refusal on small									
					contact with Qbs	aii rounded cobbie. 14 obabe								
					Test pit backfilled with native ma	aterials. Groundwater and/or								
					seepage was not encountered. Bottom of test p				^			140		
					Bottom or tool p				9	9 (of 1	119	l	

Bengal Engineering 250 Big Sur Drive

No.			Bengal 250 Big Goleta Telepho	Sur Di CA 931	rive		T	EST	ΓPI	ΤN	UMI			P 14 OF 1
CLIE	NT_C	City of Ca	rpinteria, l	Parks a	nd Recreation Dept	PROJECT NAME Carp F	Rincon ⁻	Γrail B	ikeway	,				
DATI	E STA	RTED _4	/25/13		COMPLETED 4/25/13	GROUND ELEVATION _			TES	ST PIT	SIZE	24 x	36 inc	hes
					's Excavating Service		S:							
					Test Pit									
					CHECKED BY	AT END OF EXCAV	ATION							
NOT	ES _					AFTER EXCAVATION	ON							
		ᇤ					SHR (st)	(9	Ŀ	ATT	TERBE		ËNT	ည
2.	Ę_	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	GRAPHIC LOG			UNDRAINED SHR STRENGTH (tsf)	MOISTURE CONTENT (%)	DRY UNIT WT. (pcf)				FINES CONTE (%)	OTHER TESTS
ELEV ⊕	DEPTH (ft)	PLE	898	[FV	MATERIAL DES	CRIPTION	NG AN	TSE	58	5₹	STIC	들页	8€	
	_	SAN	02	ြ ြ			I SE	ĮΣģ	꽃	25	PLASTIC LIMIT	PLASTICITY INDEX	NES I	<u>E</u>
	0.0			XXX	Earth Fill (ef)		150	L	_			<u> </u>	正	
	2.5	MC 1			Silt with some Sand (ML) with s fragments, stiff, slightly moist, p few bits of trash @ 6' - begin to hand auger	orous with scattered roots,		14	83					SHEA
				•	Beach Sand (Qbs) Fine- to medium-grainded Sand light brown to tan, loose to slight caving Unable to advance auger due to Test pit backfilled with native ma	ly dense, dry, prone to cobble(s).			10	0 0	of 1	19		

TEST PIT NUMBER TP 15 PAGE 1 OF 1

- [CLIE	NT_C	ity of Ca	rpinteria,	Parks	and Recreation Dept.	PROJECT NAME_Rinco	n Multi	Use T	rail				
- 1			NUMBE								Barbar	a Cou	nty, CA	<u> </u>
- [1	DATE	E STA	RTED_3			COMPLETED 3/13/18				TE	ST PI	T SIZE	24" >	36" inches
						n's Landscaping								
- 1						g Test Pit			N					14
- h	LOG	GED E	3Y <u>E. Po</u>	ongracz		CHECKED BY	AT END OF EXCA	VATIO	N					
- I	NOT	ES					AFTER EXCAVAT	ION						
r			111						1071	ATT	TERBE		Þ	
Ι.		_	SAMPLE TYPE NUMBER	\ \2E	မ			MOISTURE CONTENT (%)	DRY UNIT WT. (pcf)				FINES CONTENT (%)	
	#€	DEPTH (ft)	LE	BLOW COUNTS (N VALUE)	GRAPHIC LOG	MATERIAL DESCR	IPTION	LS E		l≘⊨	PLASTIC LIMIT	PLASTICITY INDEX	88	OTHER TESTS
l'	"		AMP	m S S	R _			\ ∑ N N		ĕ≧	క్రక్త	PST ST	ES	
		0.0	S)		,			0	_		т_	굽	Ē	
Ī						Earth Fill (ef) Fine-grained Silty Sand / Sandy Silt	(ML) with abundant							
		z		250.	\bowtie	angular shale fragments - light brow	n. drv to sliahtly moist.							
					\bowtie	slightly compact to locally loose, sca	ttered roots and rootlets							
					\bowtie									
- 1	1				\bowtie									
- 1					\bowtie			_						
- 1		2.5	МС		\bowtie			10	84					
- 1		2.0		1	\bowtie									
- 1			Barl		\bowtie			-	1				6 4	
-			⊕ GB		₩			4		NP	NP	NP		ATT
					\bowtie									
	1				₩	4.0' - 18" diarneter, slightly corroded	metal conduit on uphill	-	-	:				
- 1		s 2	MC		₩	(north) side of test pit		5	81					
곮					\bowtie									
, Z		5.0	-		₩									
2000					\bowtie									
CTS					\bowtie									
2	- "			<u> </u>	1	6.0' - test pit excavation halted due t Bottom of test pit a								
P. I	39		00			Bottom or tool pit t								
86)(3	13	2 2												
ES (X		7.5												
	3	7.5	-											
OGRAA	8	5 5	8											
C:\PR			ē:											
19:50 -	8	= =	r)											
1/13/19	9		តា											
GDT -	-	10.0	_											
JAL V1	9													
- BENG	3		50											
BH V2	59		e:							40	14	~t .	110	,
BENGAL BH V2 - BENGAL V1,GDT - 1/13/19 19:50 - C:\PROGRAM FILES (X86)\GINT\PROJECTS\7000Q V2.GPJ	9	2 2	8							-10	<i>)</i>	OÎ Î	119)

Bengal Engineering 360 South Hope Avenue, Suite C-110

TEST PIT NUMBER TP 16 PAGE 1 OF 1

PRO	JECT	NUMBE	R		and Recreation Dept.	PROJECT LOCATION	Carpinte	eria, S	anta E				
DATI	E STA	RTED_3	3/13/18		COMPLETED 3/13/18	GROUND ELEVATION			TE	ST PI	T SIZE	24" x	36" inche
					an's Landscaping	GROUND WATER LEVI	ELS:						
					g Test Pit		AVATIC	N					
		Y <u>E</u> , P	ongracz		CHECKED BY	AT END OF EXCA	VATIO	N					
TOP	ES					AFTER EXCAVAT	ION						
		Щ						<u>_</u>	AT	ERBE		뉟	
,	Į.	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	GRAPHIC LOG			MOISTURE CONTENT (%)	DRY UNIT WT. (pcf)				FINES CONTENT (%)	
Ì€	DEPTH (ft)	J.E.			MATERIAL DESCR	IPTION	IS E	Z g	윽느	[문트	듣쬬	88	OTHE
	_	A N	# 8 Z	g_			N N	\ \ \ \	LIQUID	PLASTIC LIMIT	PLASTICITY INDEX	S	5
	0.0	(O)					0			-	글	E	
				\bowtie	Earth Fill (ef) Fine-grained Silty Sand / Sandy Silt	/ML) with abundant							
-				₩	angular shale fragments - light brow	n, dry to slightly moist.							
				₩	slightly compact to locally loose, sca	ttered roots and rootlets							
				7	Refusal at 1.0' below grade. Bottom of test pit a	ut 1.0 feet	***						
	-				- Dollow to to pit o								
-	2.5	-											
	-												
-	·												
-	C41 1254												
-	-												
_	5.0	_											
2	_												
-	-												
=	1 20												
_	Sec. 2												
	7.5												
-	7.5	=											
	_												
-	-												
36	-												
-	-												
_	10.0												
5.5	770												
9	=												
									4 4		_		
	-								10	12 (ot 1	119	

Bengal Engineering 360 South Hope Avenue, Suite C-110 Santa Barbara, CA 93105

TEST PIT NUMBER TP 17 PAGE 1 OF 1

"JUN	Vyal	lelepho	one: 8	305-563-0788								
CLIENT	City of Ca			and Recreation Dept.								
	TNUMBE											
				COMPLETED 3/13/18				- TE	ST PI	r Size	24" x	36" inches
				n's Landscaping			120					
				g Test Pit			70.00					
				CHECKED BY								
NOTES _					AFTER EXCAVAT	ION_						
	Щ					 	DRY UNIT WT. (pcf)	ALI	ERBE	RG S	FINES CONTENT (%)	
> =	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	GRAPHIC LOG				> ±€		ပ	PLASTICITY INDEX	N (OTHER
ELEV (#) DEPTH		జౖౖౖౖౖౖౖౖౖ	[면졌	MATERIAL DESC	RIPTION		58	불	STI		000	TESTS
	₹Ž	_os	<u> </u>			ĬŽÕ)사	일기	칠그	Ϋ́Ξ	Ř	
0.0) "						_			Ч	됴	
				Slopewash (Qsw) Sand with silt (SW/SM) - light brow	n, slightly moist, loose							
-8	7											
	-											
- ·	7											
	1		·: :	Terrace Deposits (Qt)								
2.5	MC			Fine- to medium-grained Sand with	n occasional gravel - light	15	98				72	
		1 1		yellow, slightly moist, very dense a medium-bedded and laminated	ind locally slightly cemented;							
-8	1	-						1				200
	MC					10	95					DS
-	-								2			
			H	4.5' - test pit refusal on large cobbl	95							
			1	Bottom of test pit								
5.0	<u>, </u>											
-	_											
-	~											
===	-											
-	-5											
_7.5	5											
-	-											
-	-											
-	_											
-	-											
_10.	_ . <u>0</u>											
_10.	_ .0_ .ccs											
_ _10.	_ 											
	- 0 %= -											
	- 0 %= -							10)3	of	119	ð

Bengal Engineering 360 South Hope Avenue, Suite C-110 Santa Barbara, CA 93105

TEST PIT NUMBER TP 18 PAGE 1 OF 1

City of C	of Car			805-563-0788 and Recreation Dept.	PROJECT NAME Rincor	n Multi	-Use 1	rail				
CT NUMBI				111 111					arbara	Cou	ntv. CA	
STARTED	ED 3/	13/18		COMPLETED 3/13/18								
ATION CO	N CON.	TRACTO	R Jua	an's Landscaping	GROUND WATER LEVE			===			1	
ATION ME							N					
				CHECKED BY								
					AFTER EXCAVATI							
					AFTER EXCAVATI	ON_			EDDI	-00		
붠	뷥 .		.			@	<u> </u>	A	ERBE		FINES CONTENT (%)	
SAMPLE TYPE NUMBER	~ # I	BLOW COUNTS (N VALUE)	GRAPHIC LOG	_		MOISTURE CONTENT (%)	DRY UNIT WT. (pcf)		()	≽	Ę	OTUE
	<u> </u>	일을	불희	MATERIAL DESCR	IPTION	뺩	38	LIQUID	PLASTIC LIMIT	PLASTICITY INDEX	88	OTHER TESTS
ΝŽŽ	ξŽ	Zoz	<u> </u>			88	≿	열를	ĭ₹	PS1	S	
.0 0	מ		ucarrettera.			0			п.	5	E	
			r VI	Terrace Deposits (Qt)	suelly Cond Habitania							
			: O	Fine- to medium-grained Sand to Gri light reddish brown, slightly moist, de	ense to very dense							
			o .		- D-W/107 (#							
1			.O.									
4			:0:0									
)									
27			Q.									
.5			. n		E)							
		1	ز ن									
-			o									
			م ک									
MC	мс		<u>ن</u> :،									
	IVIC		Δ	6.0		4	110					
				Bottom of test pit a	t 4.0 feet.							
:=:												
.0												
₩												
=												
2												
-												
.5												
_												
-												
-												
.0												
≅												
										_		
≅ ;								10)4 (of 1	l 19	
<u>s</u>								10)4 (of 1	119	

TEST PIT NUMBER TP 19 PAGE 1 OF 1

	CLIE	NT C	ty of Ca	rpinteria.	Parks	and Recreation Dept.	PROJECT NAME Rincor	Multi-	Use T	rail				
											arbara	Cour	ity, CA	
						COMPLETED 3/13/18								
						n's Landscaping								
- 1						g Test Pit			N					
- 1						CHECKED BY		/ATIO	N					
- 1							AFTER EXCAVATION	ON						
ŀ			1.1							ATT	ERBE	RG	5	
	ELEV (#)	DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	GRAPHIC LOG	MATERIAL DESCR	RIPTION	MOISTURE CONTENT (%	DRY UNIT WT. (pcf)	LIQUID	PLASTIC WILLIMIT	PLASTICITY INDEX	FINES CONTENT (%)	OTHER TESTS
BENGAL BH V2 - BENGAL V1,GDT - 1/13/19 19:50 - C:/PROGRAM FILES (X86))GINTYPROJECTS/7000Q V2.GPJ		2.5		=			ly moist, slightly compact, nal asphalt concrete ey Silt with occasional dium brown, slightly moist, scattered rootlets, scattered cobbles - light, dry, prone to caving ub-horizontal contact with					о.	ii.	
ENGAL BH V2 - BENG	2									10)5 (of '	119)



TEST PIT NUMBER TP 20 PAGE 1 OF 1

CLIE	NT C				and Regrestion Dept	DDO JECT NAME Discou			- 276				
		NUMBE		Faiks	and Recreation Dept.				2110-00	larhar	- Cou	nty C/	
ı			27772		COMPLETED 3/13/18								
					an's Landscaping						i SiZi		k 30 inches
					g Test Pit			N					
					CHECKED BY								
					=>	AFTER EXCAVATI							
_							_	_	A T 7	ERBE		L	
	_	YPE R	ω _E	ပ			₩ <u></u>	DRY UNIT WT. (pcf)		IMITS	3	FINES CONTENT (%)	
ELEV (ft)	DEPTH (#)	ABE T	N S S	문의	MATERIAL DESCR	IPTION		들음		ပ္ရွ	<u>`</u> ,		OTHER
ш,	出)	SAMPLE TYF NUMBER	BLOW COUNTS (N VALUE)	GRAPHIC LOG	100 TE (1) LE DESOT	11011	SIS	5.e ≻	LIQUID	PLASTIC LIMIT	PLASTICITY INDEX	ပ္သ	TESTS
	0.0	S					≥8	씸	=-	٣_	\ <u>\</u>		
	0.0			XXX	Earth Fill (ef)						_		
				₩	Sandy Silt (ML) matrix with shale fra slightly moist, slightly compact, scatt	gments - light brown, ered roots: grades to dark							
				\bowtie	brown Clayey Silt with rock fragment	s							
	7												
				₩									
	2.5	2		₩									
				\bowtie									
			1	₩									
				₩									
				\bowtie									
				₩									
	=: %4			₩									
	5.0			₩									
				₩									
			1	₩									
				\bowtie									
				.O.	Beach Sand (Qbs) Cobbly fine- to medium-grained Sand	d - light brown to tan loose							
	F0 13			000	to slightly dense, dry, prone to caving	I							
				V.									
	7.5				Bottom of test pit a	7.0 feet.							
-													
-													
	R) (=1)												
2	20 _												
	10.0												
-	10.0												
_													
-	-												
									10	16	of 1	119	i
											<i>-</i> 1		

TEST PIT NUMBER TP 21 PAGE 1 OF 1

CLIE	NT_C	ity of Ca	rpinteria,	Parks	and Recreation Dept.	PROJECT NAME Rincor	n Multi	-Use T	rail		- 0		
PRO	JECT	NUMBE	R			PROJECT LOCATION C	arpinte	eria, S	anta E	arbar	a Cour	nty, CA	4 26" in-b-r
					COMPLETED 3/13/18				- TE	STPI	T SIZE		x 36" inches
					an's Landscaping								
					g Test Pit								
					CHECKED BY								
NOT	ES					_ AFTER EXCAVATI	UN			ERBE	EBC:		
		H					_ш %	5		IMITS	S		
ELEV (#)	DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	GRAPHIC LOG	MATERIAL DESCI	RIPTION	MOISTURE CONTENT (%)	DRY UNIT WT. (pcf)	LIQUID	PLASTIC LIMIT	PLASTICITY INDEX	FINES CONTENT (%)	OTHER TESTS
מבועסאר מנו על - מבועסאר ע נסטן - זו נסטן אווון דבס (אמס) מחוונו מראסאר מנו על - מבועסאר ע נסטן - זו נסטן - זו נסטן - זו נסטן אווון דבס (אמס) אמניסן אוויים איני מראסאר מנו על בסטן איני מראסאר מראסאר מנו על בסטן איני מראסאר מנו על בסטן איני מראסאר מני מראסאר מו על בסטן איני מראסאר מו על ביי מראסאר מו על ביי מראסאר מראסאר מראסאר מו על ביי מראסאר מו על ביי מראסאר מראסאר מו על מראסאר מראסא	2.5	MC MC			massive	cciated siltstone fragments orown, dry, scattered roots,	10	87	37	26	11		ATT
	 7.5	МС					15	86	44	28	16		DS, ATT
					Beach Sand (Qbs) Cobbly fine- to medium-grained Sa	nd - light brown to tan loose							
	10.0			D. ~. <	to slightly dense, dry, prone to cavid	ng			L				
					Bottom of test pit a	n TU.U leet.							
									10	7	of '	119	9

TEST PIT NUMBER TP 22 PAGE 1 OF 1

EXC LOG	AVAT AVAT	ION COI ION MET BY E. P	NTRACTO	OR_Jua	GROUNE GROUNE GROUNE GROUNE AT CHECKED BY	DELEVATION DWATER LEVEL TIME OF EXCAN END OF EXCAN TER EXCAVATION	S: VATIO VATIO	N				
ELEV (#)	O DEPTH	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	GRAPHIC LOG	MATERIAL DESCRIPTION		MOISTURE CONTENT (%)	DRY UNIT WT. (pcf)	LIMIT	PLASTIC WE	FINES CONTENT (%)	OTHER TESTS
					Earth Fill (ef) Silt to Sandy Silt (ML) matrix with shale fragmen to light brownish yellow, dry to slightly moist, slig scattered roots and rootlets, occasional asphalt fragments	intly compact.						
	2.5	∰ GB					10					
	7. T	мс					9	66				
	5.0				Hand-auger from 5' below grade. Beach Sand (Qbs)							
	7.5				Fine- to medium-grained Sand grading to Cobble brown to tan, loose to slightly dense, dry, prone	y Sand - light to caving						
	= =	MC GR		000			0	103				DS
		∰ GB					2				2	
	1	∰ GB			Bedrock: Monterey Formation (Tm) Siltstone - gray, moist, moderately hard, hydroca	ırbon odor	13 33	79				
	10.0	МС				1						

TEST PIT NUMBER TP 23 PAGE 1 OF 1

CLIE	ENT_C	ity of Ca	rpinteria,	Parks	and Recreation Dept.	PROJECT NAME_Rincor	Multi-	Use T	rail				
PRO	JECT	NUMBE	R			PROJECT LOCATION C	arpinte	eria, S	anta B	arbara	Cour	ity, CA	
DAT	E STA	RTED_3	3/13/18		COMPLETED 3/13/18	GROUND ELEVATION_			TE	ST PIT	SIZE	24" >	36" inches
EXC	AVATI	ON CO	NTRACTO	R Jua	an's Landscaping	GROUND WATER LEVE	_S:						
					g Test Pit								
LOG	GED E	BY E.P	ongracz		CHECKED BY	AT END OF EXCA	/ATIO	N					
гои	ES _					AFTER EXCAVATION	ON						
		Щ					<u>@</u>	Ë	TTA L	ERBE	RG		
ELEV (#)	DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	GRAPHIC LOG	MATERIAL DESCR	IPTION	AOISTURE ONTENT (9	XY UNIT W (pcf)	LIQUID	ASTIC	STICITY	FINES CONTENT (%)	OTHER TESTS
	0.0	SA					20	ā			7_	H.	
BENGAL BH VZ - BENGAL V1,GDT - 1/13/19 19:50 - C.IPROGRAM FILES (X88)IGINTUPROJECTS\7000Q VZ.GPJ	2.5				Earth Fill (ef) Silt to Sandy Silt (ML) matrix with shito light brownish yellow, dry to slightly scattered roots and rootlets Beach Sand (Qbs) Fine- to medium-grained Sand graditan, dry, loose Colluvium (Qc) Silty Sand to Sandy Silt (SM/ML) materials abundant shale fragments - light brown dry to slightly moist, porous with calitan, dry, loose Beach Sand (Qbs) Fine- to medium-grained Sand graditan, dry, loose Bottom of test pit and sand graditan, dry, loose	ng to Cobbly Sand - light trix with scattered to wn to light brownish yellow, che							
BH V2 - BE	•								41	10	of ·	110	.
3ENGAL I									10	<u> </u>	OT '	119)



TEST PIT NUMBER TP 24 PAGE 1 OF 1

PRO DAT EXC EXC	E STA AVATI	NUMBE RTED 3 ON COM ON MET BY E. P	R	OR Ju	and Recreation Dept. COMPLETED 3/13/18 an's Landscaping g Test Pit CHECKED BY	PROJECT LOCATION C GROUND ELEVATION GROUND WATER LEVEL AT TIME OF EXCA	LS: VATIO	ON	anta E	ST PI	T SIZE	24":	x 36" inches
ELEV (ff)	O DEPTH	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	GRAPHIC	MATERIAL DESCR		MOISTURE CONTENT (%)	DRY UNIT WT. (pcf)	LIQUID	PLASTIC WILLIMIT		FINES CONTENT (%)	OTHER TESTS
	2.5				*Test pit excavated below a 5'-7' high	Silt (ML) matrix with ale and tabular shale e brown, slightly moist, it, massive with no internal in near vertical cut exposing in light brown to tan, dry, ng							
-									11	0 0	of 1	119	



BORING NUMBER TT 01 PAGE 1 OF 1

CLIE	NT _C	ity of Ca	rpinteria, F	arks a	nd Recreation De	ept	PROJECT NAME Carp R	incon	Trail B	ikeway					
PRO	JECT I	NUMBER	₹				PROJECT LOCATION _C	arpinte	ria, SE	Cour	ity, CA				
DATI	E STAI	RTED 4	1/23/13		COMPLETED	4/23/13	GROUND ELEVATION _6	7 ft		HO	LE SIZ	E _30	x 96 i	nches	
DRIL	LING	CONTRA	CTOR M	ac Brov	vn Excavating		GROUND WATER LEVEL	S:							
					Pit			NG							
LOG	GED B	Y E. P	ongracz		CHECKED BY		AT END OF DRILLII	NG						_	
NOT	ES						AFTER DRILLING	_							
ELEV (ft)	DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	GRAPHIC LOG		MATERIAL DE	ESCRIPTION	UNDRAINED SHR STRENGTH (tsf)	MOISTURE CONTENT (%)	DRY UNIT WT. (pcf)	AT	PLASTIC WIT	3	FINES CONTENT (%)	OTHER TESTS
	0.0	SAME	mo ź	SB_				UNDR/ STRE	Ø.S No.S	DRY	LIMIT	PLAS	PLASTICITY INDEX	FINES	OTH.
- 7/3/13 10:04 - CAPROGRAM FILES (X88)/GINTPROJECTS/CARP RINCON TRAIL BIKEWAY GPU 99 97 97 97 97 97 97 97 97 97 97 97 97	2.5	.			loose, moist, sloping conta Terrace Depo Silty Sand (S cobble/boulds)	osit (Qt) ? M) to Salty Sand abundant roots and the salty s	(SM) - light brown to brown, and rootlets, 30°-40° downhill lit (SP) grading to rix interval - pale yellow to t, few scattered roots, boulders								
DT - 7/3/13 10:04 - C:\PROG	5.0	7.			.1										
BENGAL GEOTECH BH V5 - BENGAL MOD GINT STD US LAB 2-10-10, GDT						ige was not enco	tive materials. Groundwater untered. ehole at 6.0 feet.								
BENGAL GEOTECH										11	1 (of 1	119)	



Bengal Engineering 250 Big Sur Drive Goleta CA 93117

e '

R			NG	MI	IM	RE	D 1	no
ים	UI	ZII	UV	IAL	JIVI		ĸ	UZ

PAGE 1 OF 1

V. 1	2	Telepho	one: (80	05) 685-6511										
CLIENT	City of Ca	rpinteria, F	Parks a	nd Recreation D	ept	PROJECT NAME Carp R	incon T	Frail B	ikeway	/				
PROJE	CT NUMBER	₹				PROJECT LOCATION _Ca	arpinte	ria, SE	3 Cour	ity, CA				
DATES	STARTED 4	/23/13		COMPLETED	4/23/13	GROUND ELEVATION _66	6 ft		HO	LE SIZ	E 30	x 96 i	nches	
						GROUND WATER LEVELS								
1				Pit				-						
LOGGE	D BY E. Po	ongracz		CHECKED BY		AT END OF DRILLIN								
NOTES	-					AFTER DRILLING								
	1						<u>س</u> _			AT	ΓERBE	RG	—	
-	SAMPLE TYPE	ွှော်	ပ				UNDRAINED SHR STRENGTH (tsf)	MOISTURE CONTENT (%)	DRY UNIT WT. (pcf)		LIMITS		FINES CONTENT (%)	OTHER TESTS
ELEV FPT	(f) MPLE TY VUMBER	BLOW COUNTS (N VALUE)	GRAPHIC LOG		MATERIAL DESC	CRIPTION	岸		(pcf)	ے ۵	일	Ę×	 ଅନୁ	"
m F	I I M	₽05 S0 P	뚫기			51th 11011	\bar{B}	왕	5@	LIQUID	PLASTIC LIMIT		S S	<u>#</u>
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	- =					ISE STS	≥응	R.	=-	[PLASTICITY INDEX		6
	0.0		DIGO	Colluvium / L	andslide Debris (Q	(col/Qls)	12			_		ш.	Щ.	
+	02		P. P. S	Heterogenou	s mix of silt with sor	ne clay (matrix) and nents - light brown to brown,								
65.0	34		Digo	loose to sligh	itly stiff, slightly mois	st, abundant AC fragments								
			5P3	in upper 2'										
			Dig.											
Γ,	2.5	j	519°4											
+			pla											
+ +	S-4		599											
62.5	24		DG.											
- +	1 1 1 10		393											
	MC 1		Digo					17	79	46	29	17		ATT, SHEAR
5	5.0		393											
			Dig.											
+	7		890											
60.0	:-		blo.											
+ +	-		893											
1	4		of.											
7	.5		6. P. S											
			Do o	@01 diff										
57.6	3		×××	weathered an	and gradational dov id highly fractured n	wnhill-sloping contact with								
57.5	-		× × × × × × × × × × × × × × × × × × ×	Bedrock: Sis	quoc Formation (Ts	sq)								
- +	MC MC		x x	indurated, hig	hly fractured and m	slightly hard, weakly loderately weathered to 11'								
+ +	<u> </u>		× × × × × × × × × × × × × × × ×	below grade, fractures, ma	scattered roots, lim	onite weathering along		10	108					
10	0.0 MC 3		× × × × × × × × × × × × ×	25.5. 00, 1110				11	107					SHEAR
			× × × × × × × × × × × × × × × × × × ×											
55.0			× × ×											
55.0	© GB		×××					33					l j	CHEM
+	- _4_/		× × × × × × × × × × × × × × ×											
- +	-		× × × × × × × × × × × × × × × × × × ×											
12	2.5		×××											
			××											
						materials. Groundwater			11	2 -	of 1	10		
				and/or seepa	ge was not encount Bottom of borehole				1 1	Z (ו וע	13		

Bengal Engineering 250 Big Sur Drive Goleta CA 93117

BORING NUMBER TT 03 PAGE 1 OF 1

Telephone: ((805) 685-6511									
	and Recreation Dept									
DATE STARTED 4/23/13	COMPLETED _4/23/13	GROUND ELEVATION 67	ft		HOL	E SIZ	E _30	x 96 ii	nches	
DRILLING CONTRACTOR Mac Br	rown Excavating	GROUND WATER LEVELS	:							
DRILLING METHOD Backhoe Tes	st Pit	AT TIME OF DRILLIN	IG							
LOGGED BY E. Pongracz	CHECKED BY	AT END OF DRILLING	G							
NOTES		AFTER DRILLING								
9			SHR (tst)	ய (% ந	, M		ERBE	3	LENT	STS
SAMPLE TYP NUMBER COUNTS (N VALUE)	MATERIAL DESC	CRIPTION	UNDRAINED SHR STRENGTH (tsf)	MOISTURE CONTENT (%)	DRY UNIT WT. (pcf)	LIQUID	PLASTIC LIMIT	PLASTICITY INDEX	FINES CONTENT (%)	OTHER TESTS
65.0 2.5 62.5 5.0 60.0 7.5 10.0	Colluvium / Landslide Debris (Clast-supported mix of light gray fragments in brown silty matrix - brown silt/clayey silt infill, dry to roots and rootlets @11' - ~16° dip on sharp slide of brown clayey silt (ML) matrix wit weathered mudstone fragments Bedrock: Sisquoc Formation (T Mudstone - light brownish gray, weathering along fractures, mas	contact, 2"-3" thick zone of h scattered, small highly, moist, few roots (sq) slightly hard, limonite								
	Test trench backfilled with native and/or seepage was not encoun Bottom of boreho	itered.			11	3 0	of 1	19		



BORING NUMBER TT 04 PAGE 1 OF 1

CLI	ENT _C	City of Ca	rpinteria, l	Parks ar	nd Recreation Dept	PROJECT NAME Carp Ri	ncon 1	rail B	ikeway	/						
		NUMBER				PROJECT LOCATION Carpinteria, SB County, CA										
DAT	E STA	RTED 4	1/23/13		COMPLETED 4/23/13	GROUND ELEVATION 68 ft HOLE SIZE 30 x 96 inches										
						GROUND WATER LEVELS:										
					Pit											
					CHECKED BY											
						AFTER DRILLING										
		ш					¥€		.(4):	AT	TERBE		E	· · ·		
	ı	SAMPLE TYPE NUMBER	\ ² \2\(\overline{\pi}\)	ଥ			UNDRAINED SHR STRENGTH (tsf)	MOISTURE CONTENT (%)	DRY UNIT WT. (pcf)		LIMITS		FINES CONTENT (%)	OTHER TESTS		
ELEV ⊕	DEPTH (#)	MB	BLOW COUNTS (N VALUE)	GRAPHIC LOG	MATERIAL DESC	RIPTION	<u> F</u>		돌	∟∟	PLASTIC LIMIT	PLASTICITY INDEX	N N N N			
Ι"	5	P N S	85°	A			RA W	ğk		LIQUID	PSE	SI	ES (里		
	0.0	Ś								_	룹	Z-	Z L	<u></u>		
				1	Slopewash (Qsw) Silty with minor clay and scattere	d waste francisco that										
67.5	+ =			ا م	brown, loose, porous, abundant r	oots, contains few bits of										
¥				.0.	trash											
Ž -																
AL																
Z Z	T															
ğ																
A L				900												
081	2.5			٠١١	@2.5' - steeply sloping and sharp											
일 65.0					Bedrock: Monterey Formation (T Diatomaceous Shale - light brown	m) slightly to moderately										
20.0	T				hard, moist, thinly bedded, upper	2.5' highly weathered and										
20					fractured with abundant roots (be	tter below)										
SSK X			1													
	+ +															
E E																
5	+ +															
اَدَّ	5.0															
5					bedding: N84W/60N (overturned)											
62.5																
3																
	+ 4	⊕ GB	1		bedding: N86W/64N (overturned)			15						CHEM		
5		1												OI ILIVI		
2																
8																
2																

Test trench backfilled with native materials. Groundwater and/or seepage was not encountered.

Bottom of borehole at 7.0 feet.



BORING NUMBER TT 05

PAGE 1 OF 1

							00	154	i i						
						PROJECT NAME Carp Rincon Trail Bikeway PROJECT LOCATION Carpinteria, SB County, CA									
						1)									
					COMPLETED 4/23/13		2710		HO	LE SIZ	E _30	x 96	inches		
DRIL	LING	ONTRA	CTOR M	ac Brov	vn Excavating										
			Backho												
LOG	GED B	Y _E, Po	ongracz		CHECKED BY	AFTER DRILLING									
NOT	es _														
ELEV (#)	DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	GRAPHIC LOG	MATERIAL DESC	CRIPTION	UNDRAINED SHR STRENGTH (tsf)	MOISTURE CONTENT (%)	DRY UNIT WT. (pcf)	LIMIT	PLASTIC WE SEE SEE SEE SEE SEE SEE SEE SEE SEE	PLASTICITY B	FINES CONTENT (%)	OTHER TESTS	
70.0	0.0	Ś					132				ш.	귑	듄	0	
RP RINCON TRAIL BIKEWAY.GPJ	2.5				Slopewash (Qsw) Abundant shale fragments in light loose, scattered trash and debris base of slope, abundant roots Bedrock: Monterey Formation (s, wedge thickens towards									
95.00 - 1/3/13 10.04	5.0	-			Shale and Diatomaceous Shale slightly to moderately hard, mois bedding: E-W/74N (overturned)	 brown to light brown. 									
SLAB2															
CH BH VS - BENGAL MOD GINT SID U					Test trench backfilled with native and/or seepage was not encoun Bottom of boreho	tered.				li)					
SENGAL GEOTEC									11	5 (of 1	19			



BORING NUMBER TT 06
PAGE 1 OF 1

CL	IENT _	City of Ca	rpinteria, l	arks a	nd Recreation Dept	PROJECT NAME Carp R	incon	rail B	kewa						
PR	OJECT	NUMBER	₹			PROJECT LOCATION _Carpinteria, SB County, CA									
DA	TE STA	RTED 4	/23/13		COMPLETED 4/23/13	GROUND ELEVATION 72 ft HOLE SIZE 30 x 96 inches									
DR	ILLING	CONTRA	CTOR M	ac Brov	vn Excavating	_ GROUND WATER LEVELS:									
					Pit										
					CHECKED BY	AT END OF DRILLING									
NC	TES_					AFTER DRILLING									
		Щ					퓨운	<u> </u>		AT	ERBE		F	w	
>	lΞ	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	GRAPHIC LOG			UNDRAINED SHR STRENGTH (tsf)	MOISTURE CONTENT (%)	DRY UNIT WT. (pcf)				CONTENT (%)	OTHER TESTS	
ELEV	DEPTH (ft)	J.E.	A S C		MATERIAL DESC	CRIPTION	1 1 2 1 2 1 3 1 3	P.E.	\ <u>E</u> \(\overline{B}	윽느	PLASTIC LIMIT	PLASTICITY INDEX	် ဗွ	E	
		AAA	mg _Z	g			%품	N N	\ \ }	LIQUID	N N	PST N	FINES	뿐	
	0.0	Ŋ								_	Δ.	5_	E	Ö	
70.	2.5				Slopewash (Qsw) Abundant shale fragments in light loose, prone to caving, wedge the slope, abundant roots Bedrock: Monterey Formation (The Shale and Diatomaceous Shaleslightly to moderately hard, moist fractured with abundant rootlets bedding: N85W/52N (overturned)	m) brown to light brown, thinly bedded, highly									

Test trench backfilled with native materials. Groundwater and/or seepage was not encountered.

Bottom of borehole at 8.0 feet.

BORING NUMBER TT 07 PAGE 1 OF 1

CLIENT _City of Carpinteria, Parks at	nd Recreation Dept	PROJECT NAME Carp Ri	ncon T	rail Bil	keway						
		PROJECT LOCATION Carpinteria, SB County, CA									
DATE STARTED 4/23/13	COMPLETED 4/23/13	GROUND ELEVATION 74	ft		HOL	E SIZ	E _30	x 96 i	nches		
DRILLING CONTRACTOR Mac Brow	wn Excavating	AT TIME OF DRILLING									
DRILLING METHOD Backhoe Test F											
LOGGED BY E. Pongracz	CHECKED BY										
NOTES		AFTER DRILLING									
ELEV (ft) (ft) (ft) (ft) (ft) (ft) (ft) (ft)	MATERIAL DESC	CRIPTION	UNDRAINED SHR STRENGTH (tsf)	MOISTURE CONTENT (%)	DRY UNIT WT. (pcf)		PLASTIC WINE LIMIT		FINES CONTENT (%)	OTHER TESTS	
27.27 20.04 - C.PROGRAM FILES (X88)/GINTUPROJECTS/CARP RINCON TRAIL BIKEWAY.GPJ 20.04 - C.PROGRAM FILES (X88)/GINTUPROJECT	Tm) d shale - dark gray to black, and jointed, moderately lers to light tan to cream	3					а.	L			
GB 1 67.5				18						CHEM	
BENGAL GEOTECH BH V5 - BENGAL MOD GINT STD US LAB 2-10-10-GDT	Test trench backfilled with native and/or seepage was not encount Bottom of boreho	ered.									
ENGAL GEOTE					11	7 c	of 1	19	1		



BORING NUMBER TT 08 PAGE 1 OF 1

CLIE	NT_C	ity of Ca	ırpinteria, f	⊃arks a	nd Recreation Dept	PROJECT NAME Carp R	incon	Trail B	keway	,					
PRO	JECT	NUMBER	₹			PROJECT LOCATION Carpinteria, SB County, CA									
DAT	E STAI	RTED_4	1/23/13		COMPLETED 4/23/13	GROUND ELEVATION _75	ft		HO	_E SIZ	E _30	x 96 i	nches		
DRIL	LING (CONTRA	CTOR_M	lac Brov	vn Excavating	AT TIME OF DRILLING									
					Pit										
					CHECKED BY	AT END OF DRILLING									
NOT	ES					AFTER DRILLING _	_				_				
		E PE					SHR (st)		Ĕ	AT	TERBE LIMITS		Ę	ည	
_ چ	ᄩ	SAMPLE TYF NUMBER	BLOW COUNTS (N VALUE)	GRAPHIC LOG			UNDRAINED SHR STRENGTH (tsf)	MOISTURE CONTENT (%)	DRY UNIT WT. (pcf)		_		FINES CONTENT (%)	TESTS	
	DEPTH (ft)	PLE	Sig ≥	풀의	MATERIAL DES	CRIPTION	NG A	ISE TSE	3 B	5₽	STI	들娦	08	- H	
		SAN	02	lo				ĮΣģ	ᇫ	[음투	PLASTIC LIMIT	PLASTICITY INDEX		OTHER	
75.0	0.0			XXXX	Earth Fill (ef)							교	正		
				₩	Silt to Clavey Silt (ML) with scat	ered to abundant rock									
-	+ +			$\otimes\!\!\otimes$	fragments - light brown, stiff, mo	ist, mottled, scattered roots									
				₩											
72.5	- 4														
	+ -														
70 E	2.5			****											
72.5	2.5	2-		₩											
7				$\otimes\!\!\otimes$											
- =															
70.0	5.0			\bowtie				1							
				\bowtie											
					Bedrock: Monterey Formation (Laminated siliceous siltstone an	Tm)									
					moderately hard, slabby, fracture	ed and jointed, slightly									
					weathered bedding: N65W/53NE (overturne	ed)									
					bedding: N82W/71N (overturned						l'				
					Toot trough healtfilled with walk	erateriale Consumbusta-									
					Test trench backfilled with native and/or seepage was not encoun										
					Bottom of boreho	le at 6.5 feet.									
									11	8 c	of 1	19			
-															

BORING NUMBER TT 09 PAGE 1 OF 1

	CLIE	NT_C	ty of Ca	rpinteria, F	Parks ai	nd Recreation De	PROJECT NAME Carp R	ncon	rail B	keway						
	PRO.	JECT N	NUMBER					PROJECT LOCATION Carpinteria, SB County, CA								
	DATE	E STAF	RTED 4	/23/13		COMPLETED	4/23/13	GROUND ELEVATION 75	ft							
						CHECKED BY										
	NOT	ES					AFTER DRILLING ATTERBERG 10									
	SAMPLE TYPE NUMBER NUMBER (M) (A) (A) (B) (A) (B) (B) (B) (C) (C) (C) (C) (C) (C) (C) (C) (C) (C							CRIPTION	UNDRAINED SHR STRENGTH (tsf)	IOISTURE INTENT (%)	Y UNIT WT. (pcf)		PLASTIC WIN		FINES CONTENT (%)	OTHER TESTS
П			SA	ا ع					SFS	≥8	R	54	[로그	PLA		О
	75.0 0.0 Earth Fill (ef) Silt to Clayey Silt with so moist to moist, so Colluvium (Qcol)						Silt (ML) with scat ght brown, stiff, mo (Qns) ith scattered rock fi it, scattered roots icol)	ragments - brown, slightly								
3 LAB 2-10-10.GDT - 7/3/13 10:04 - C:\PRO	67.5 65.0					Bedrock: Mor Laminated sill moderately have weathered bedding: N77		Tm) id shale - dark gray to black, ed and jointed, slightly ed)								
BENGAL GEOTECH BH V5 - BENGAL MOD GINT STD US LAB 2-10-10.GDT							ackfilled with nativ ge was not encour Bottom of boreho									
BENGAL GE											11	9 (of 1	19		

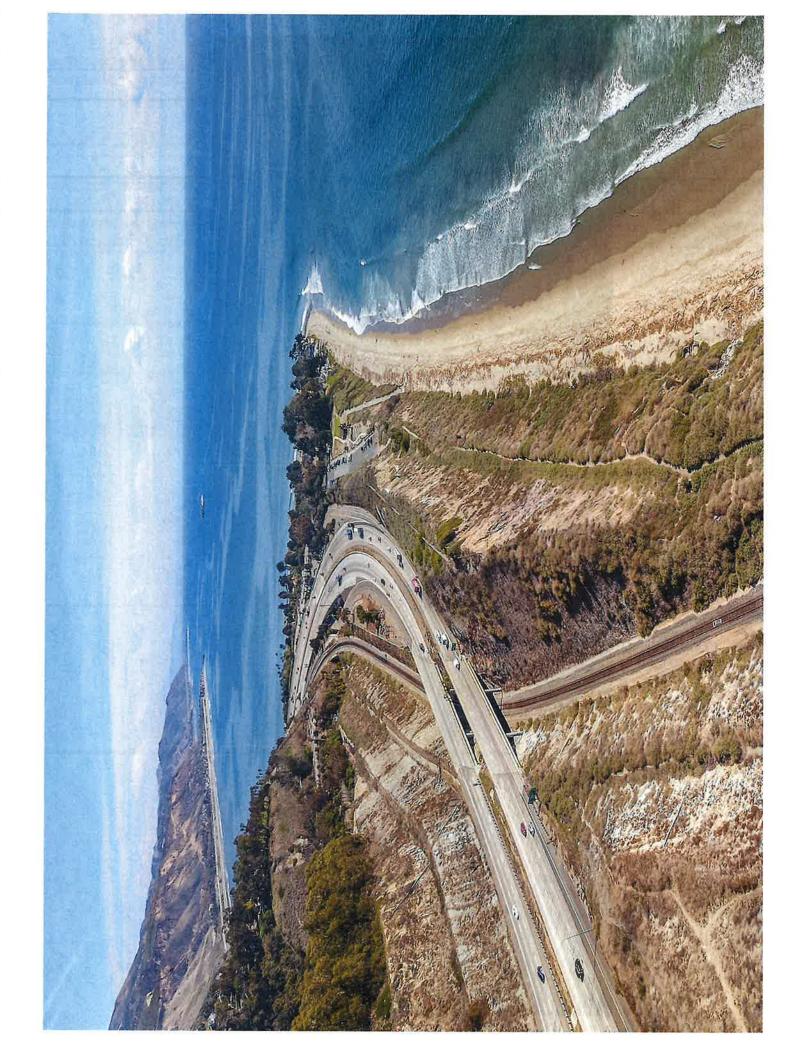
Exhibit B

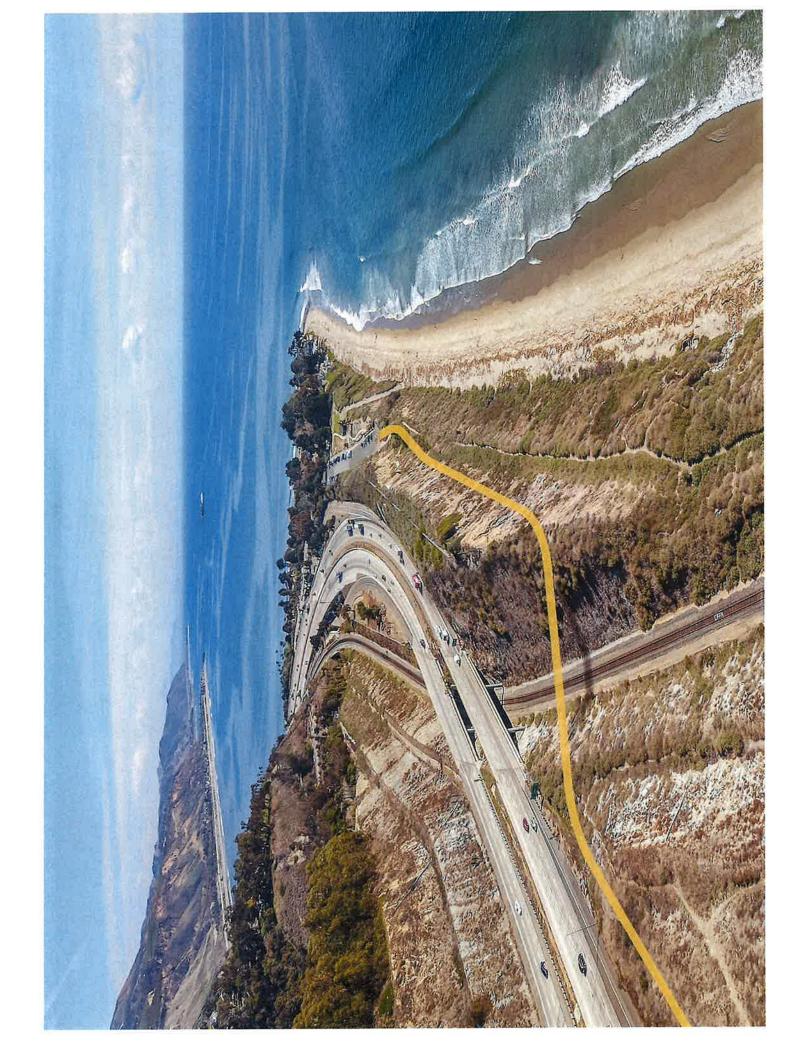
Project Exhibits

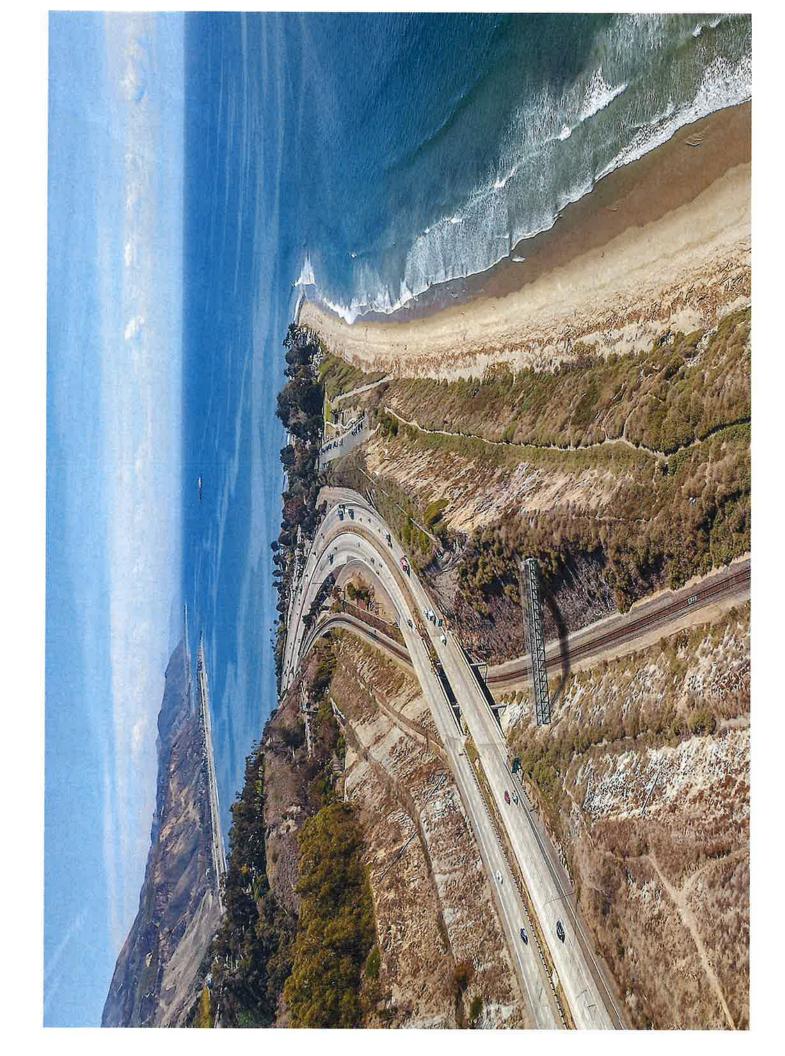
Rincon Trail
Project 19-2015-CUP/CDP
October 28, 2021 Preliminary ARB Review

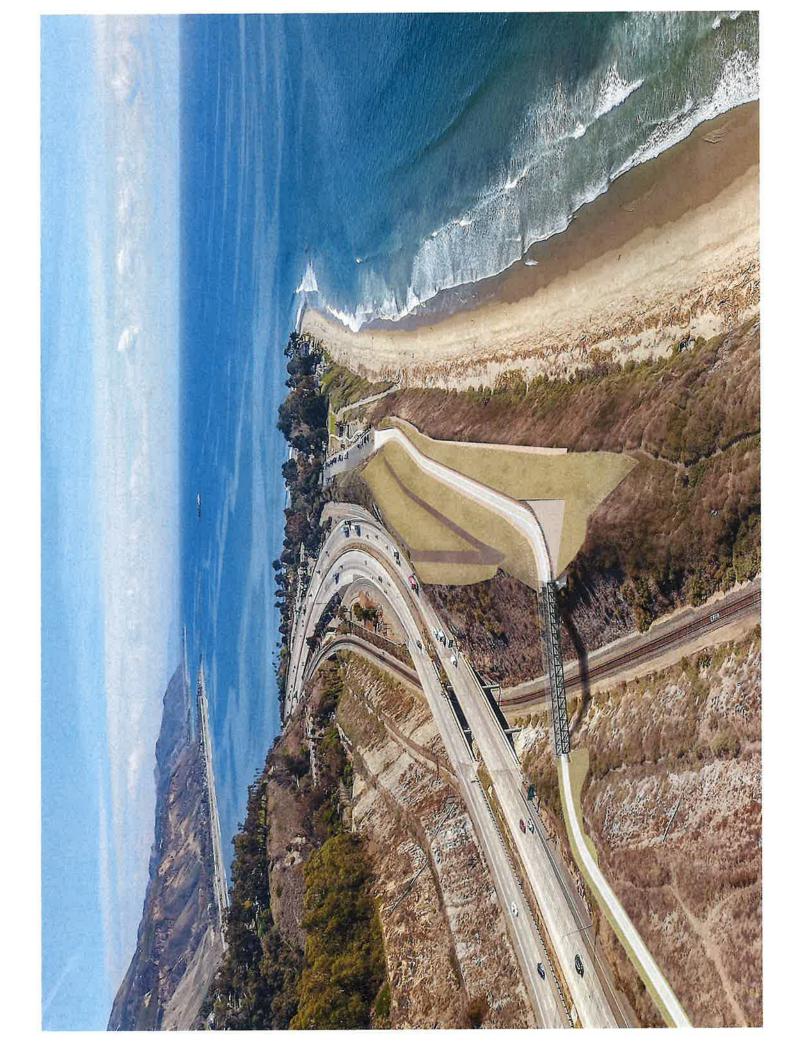
		,
		· v













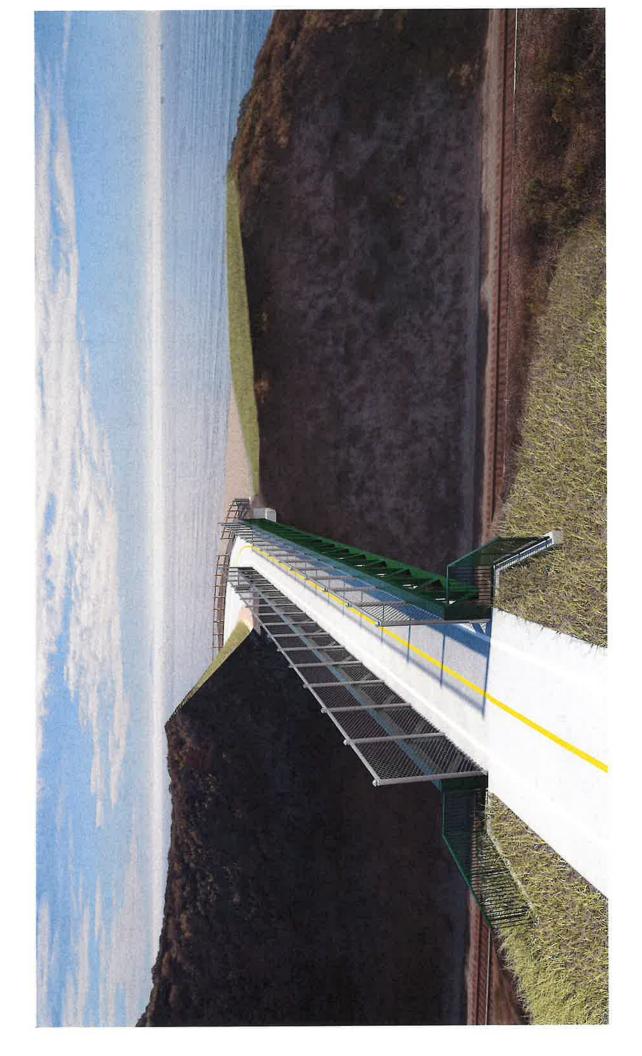


Exhibit C

Project Description Narrative

Rincon Trail
Project 19-2015-CUP/CDP
October 28, 2021 Preliminary ARB Review

		4	
	e e		
	la .		
	<u>\$</u>		

2.4 Project Background and Purpose

2.4.1 Background

The City of Carpinteria is situated along the California coast where the Santa Ynez Mountains meet the Pacific Ocean. California State Highway 150 (Highway 150), U.S. Highway 101, and the coastal railroad all intersect in the southeastern entrance to the Carpinteria Valley. The transportation infrastructure improvements at this location have not included planning for or installation of a needed Class I bicycle route or pedestrian trail linking the urban area of the City of Carpinteria with the coastal resources of the County and State Beach Parks at Rincon Point as well as a connection to the newly opened bike path to Mussel Shoals. The proposed Carpinteria Rincon Trail will provide an important and desirable connection in this area and also serve as a link in the larger California Coastal Trail.

A Mitigated Negative Declaration (MND) was prepared for a proposed Carpinteria Rincon Trail in 2015. The 2015 MND analyzed a multi-use (shared-use) trail extending from the eastern terminus of Carpinteria Avenue to Rincon Beach County Park, 12-feet in width and approximately 4,000 feet in length. The design of the proposed trail analyzed in the 2015 MND would have necessitated approximately 1,000 feet of retaining wall, with a maximum height of 14 feet. Several look-out points, a stormwater cistern, and pathway lighting at sharp horizontal grade changes and within the parking areas for the trail were also proposed. Further investigation into the original design revealed that its constructability as originally designed was questionable due to unstable geologic conditions and critical US Highway 101 storm drain infrastructure in the vicinity of the original trail alignment's long switchback turn within the UPRR alignment. Further study also suggested that the entire trail alignment could not be designed to achieve an Americans with Disabilities Act of 1990 (ADA) compliant slope. Therefore, a Subsequent MND was prepared in 2019, which analyzed a simplification of the originally proposed design, including elimination of the long switch-back section within the alignment for the UPRR railway, elimination of parking lot improvements at the western trail terminus at Carpinteria Avenue, and elimination of the storm water cistern and any trail lighting. The Draft Subsequent MND was circulated for public comment, and a hearing was held by the Carpinteria Planning Commission to consider certification of the document. The Planning Commission voted to certify the Subsequent MND, and that decision was appealed to the City Council. Although the appeal of the Planning Commission's certification of the Subsequent MND was never heard by the City Council, the City Council decided to move forward with the preparation of this Focused EIR as the appropriate CEQA environmental review document in order to allow for a more in-depth analysis of key issue areas identified during consideration of the Subsequent MND.

Access between the City of Carpinteria and Rincon Beach County Park has primarily been provided by U.S. Highway 101, though the distance between the two destinations is less than one mile. The use of U.S. Highway 101 requires a bicyclist or pedestrian to travel along the highway shoulder. Many bicyclists and pedestrians use the railroad corridor as an alternative route, as evidenced by the unsanctioned trails that are present along the bluff face and along the railroad tracks connecting the City of Carpinteria with Rincon Beach County Park. Use of the unsanctioned trails in and along the railroad corridor, however, presents a public access and safety concern.

The proposed Carpinteria Rincon Trail would extend from the eastern end of Carpinteria Avenue, in the City of Carpinteria, to Rincon Beach County Park, in unincorporated Santa Barbara County. The new, shared-use trail would provide a strategic addition to Carpinteria's Coastal Vista Trail that upon completion, will connect Padaro Lane to the west and Rincon Beach County Park to the east. In addition to providing critical improvements in public safety, the completion of this trail segment would provide improved public coastal access and recreational opportunities, and enhancement of non-vehicular travel alternatives to the region's significant coastal resources. Completion of

the trail will also fill in a long-standing gap in the statewide California Coastal Trail. The trail further is a requirement of the Conditional Use Permit and Coastal Development Permit No. 09-1522-CUP/CDP granted to the California Department of Transportation (Caltrans) to construct the Linden Avenue and Casitas Pass Road Interchanges and Via Real Extension Project in order to promote regional alternative transportation objectives and to enhance recreation opportunities within the coastal zone and access to coastal resources. Regional vicinity and project site location are presented in Figures 2-1 and 2-2.

2.4.2 Purpose and Need

2.4.2.1 Purpose Statement

The fundamental purpose of the Carpinteria Rincon Trail is to establish a scenic, coastal trail offering a non-motorized ADA accessible recreational and alternative transportation trail option between the Carpinteria Bluffs and Rincon Beach County Park, consistent with the intent of the California Coastal Trail and as required by the California Department of Transportation's conditions of approval for the Linden Avenue and Casitas Pass Road Interchanges project (Conditional Use Permit and Coastal Development Permit No. 09-1522-CUP/CDP). In addition, the Carpinteria Rincon Trail shall be designed to achieve the purposes and objectives described further below.

2.4.2.2 Public Safety

Due to the lack of a direct, non-vehicular access corridor, the most traveled route to hike or bike to Rincon Beach County Park from the City of Carpinteria is along the railroad corridor, which presents a known safety risk. The railroad corridor in the City of Carpinteria is a major north-south rail route with freight and passenger trains running frequently each day. The continuous rail tracks that the Union Pacific Railroad (UPRR) recently installed are quieter than previous segmented rail track; thereby increasing safety hazards as rapidly approaching trains may not be audible. The geography of the area also constrains visual line of sight along the rail corridor such that it can be difficult to see oncoming trains far in advance. Despite these safety concerns, it is common to see individuals and groups walking and biking along the tracks from the City to Rincon Beach County Park or points in between. Many trail users are carrying surfboards and day packs, making them vulnerable to the speed of oncoming trains. Soaring recreationalists (such as parasailers and paragliders) also fly over and sometimes land on, or utilize the rail corridor to return to the launch point located on the bluff promontory above the railroad corridor. From 2015 to 2019, the Federal Railroad Administration Office of Safety records indicate that there were 25 rail incidents in Santa Barbara County, including 18 deaths and 7 injuries (FRA 2020). According to a grand jury report on rail incidents within Santa Barbara County, one railway fatality occurred within Carpinteria in the period from 2015 through 2018 (Santa Barbara County Grand Jury 2019).

2.4.2.3 Local Environmental Enhancement

Bicycling and walking are cost effective, energy efficient and provide an alternative means of travel to the use of motorized vehicles. The City of Carpinteria's mild Mediterranean climate coupled with its scenic coastal bluffs provide a favorable environment for bicycling and walking year-round. Bicycles also provide easy mobility for residents and tourists, and the proposed trail would offer a new direct, safe and efficient access route to Rincon Beach County Park, as well as a connection between Ventura and Santa Barbara counties.

Near the east end of the Coastal Vista Trail is the Carpinteria Bluffs Nature Preserve, which provides visitors with a unique overlook along one of the last remaining undeveloped coastal regions along the South Coast. In addition,

Carpinteria Rincon Trail Project Environmental Impact Report

the 21 acre parcel adjacent to the eastern terminus of Carpinteria Avenue (formerly known as Carpinteria Bluffs Area III) has recently been purchased by the Land Trust for Santa Barbara County and subsequently deeded to the City of Carpinteria to be preserved in perpetuity as a public open space preserve (Rincon Bluffs Preserve) that will provide additional passive recreation and scenic enjoyment opportunities. Commonly seen from the bluffs are white-tailed kites, turkey vultures, red-tailed hawks, American kestrels, brush bunnies, bottlenose and common dolphins, California sea lions, Pacific harbor seals, California brown pelicans, western gulls, and migrating gray whales (City of Carpinteria 2009). Views of the Northern Channel Islands and Channel Islands National Marine Sanctuary are also afforded. The proposed trail provides an extension to the Carpinteria Bluffs trail system, allowing hikers and bicyclists to continue along the coastal bluffs into neighboring coastal resource areas of interest.

2.4.2.4 Recreational Opportunities

The City of Carpinteria is a popular year-round tourist attraction, with close to two million visitors a year (City of Carpinteria 2009). The City's beach is recognized as one of the safest and cleanest beaches in Santa Barbara County. Northeast of the City beach is the Carpinteria Salt Marsh Nature Park, which is one of the few remaining healthy coastal wetland systems in California, and a well-used hiking area. East of the City beach is Carpinteria State Beach Park, one of California's most popular camping and recreation areas.

Within the State Beach Park, Carpinteria Creek flows out to the ocean. This creek is currently the focus of a successful steelhead restoration effort. East of the State Beach, the coastal bluffs begin where the Casitas Pier is located. Part of the coastal bluff is also located within the Carpinteria Bluffs Nature Preserve and the newly created Rincon Bluffs Preserve. Located just east of the Casitas Pier is the Pacific harbor seal sanctuary, a natural haul out and pupping rookery where over 500 of these pinnipeds have been observed on shore at once (City of Carpinteria 2009).

Just east of the City of Carpinteria, Rincon Beach County Park exists and offers picnic areas, beach access, and parking areas for beach-goers and cyclists using the regional coastal bike path that connects to the City of Ventura. Rincon Beach County Park is operated by the County of Santa Barbara. Visitors to the City of Carpinteria, including campers at the State Beach, often travel to the Rincon Beach County Park for recreational activities and to view the world-famous Rincon surf break. The ocean bluffs along the eastern portion of the City and extending into the Rincon Beach County Park area also produce updrafts from ocean related winds, which create soaring opportunities generally above the top of the ocean bluffs alignment for paragliders and other soaring recreationalists. Offshore, the Channel Islands National Marine Sanctuary and Channel Islands National Park provide additional recreation opportunities. The City aims to complete the Carpinteria Coastal Vista Trail for the recreational use of the surrounding communities and to provide public access and connections to these natural places.

The proposed Carpinteria Rincon Trail would close a gap in the California Coastal Trail at a critical location. The function of the Carpinteria Rincon Trail as the local segment of the California Coastal Trail means the proposal must also align with the goals established for the California Coastal Trail. Some of the introductory information in the Senate Bill 908 Report (Completing the California Coastal Trail) is informative, and includes the stated goals for the trail, importantly the following:

- 1. Provide a continuous trail as close to the ocean as possible, with connections to the shoreline at appropriate intervals and sufficient transportation access to encourage public use.
- 5. Design the CA Coastal Trail to provide a valuable experience for the user by protecting the natural environmental and cultural resources while providing public access to beaches, scenic vistas, wildlife viewing areas, recreational or interpretive facilities, and other points of interest.

6. Create linkages to other trail systems and to units of the State Park system, and use the Coastal Trail system to increase accessibility to coastal resources from urban population centers.

(Source: http://californiacoastaltrail.info/cms/pages/trail/done.html)

The proposed Carpinteria Rincon Trail would link the Carpinteria Bluffs and Rincon Beach County Park, and would also extend the Pacific Coast Bikeway, thereby improving recreation opportunities along the South Coast. Eventually, upon completion of other segments, the Carpinteria Coastal Vista Trail will connect to Carpinteria State Beach Park and the Carpinteria Salt Marsh Preserve and on to Padaro Lane, west of the City. The Pacific Coast Bikeway currently extends east to Seaside and eventually to Ventura's Seaside Wilderness Park and Emma Wood State Park. From Emma Wood State Park, cyclists and pedestrians can join the California Coastal Trail to the Ventura County Fairgrounds and the City of Ventura waterfront. Figure 2-3, Existing Trail Network, presents the proposed Carpinteria Rincon Trail segment in the context of the Carpinteria Coastal Vista Trail.

2.4.3 Objectives

The proposed trail was identified by the City to meet critical safety and public access needs. Objectives of the proposed project include:

- Improve pedestrian and bicyclist safety, as well as vehicular safety, by significantly reducing unsafe and/or illegal use of the railway corridor and the U.S. Highway 101 shoulder.
- Enhance regional mobility for cyclists and pedestrians, while enhancing support of regional initiatives to promote alternative transportation modes between Carpinteria, Santa Barbara County and Ventura County, by providing a continuous bike and pedestrian path connecting Santa Barbara County to Ventura County.
- Reduce air pollution from vehicle-related air quality emissions and traffic congestion on local and regional
 transportation systems by promoting pedestrian and bicycle access to coastal resources and recreation
 opportunities via a scenic multi-use trail, as an alternative to use of motorized vehicles to access and
 experience such coastal resources.
- Improve the local coastal bluff environment through improved water quality of surface water runoff through stabilization of bluff slope faces that are currently eroding into the Pacific Ocean, and enhancement of sensitive coastal bluff scrub habitats in the project area. Also, avoid deposits of petroleum fuels or lubricants associated with typical motor vehicle use for transportation in close proximity to the ocean, preventing such pollutants from stormwater runoff entering the adjacent marine environment.
- Complete a critical missing link in the California Coastal Trail consistent with the goals of Senate Bill 908, including provision of a continuous trail as close to the ocean as possible, with connections to the shoreline at appropriate intervals and sufficient access to encourage public use. The California Coastal Trail is intended to offer scenic coastal vistas, wildlife viewing areas, recreational or interpretive facilities, and other points of interest, and is recognized in regions throughout the state as a key resource or opportunity for these coastal-oriented experiences.
- Provide a coastal-oriented pathway that supports the broadest use by the public through a design that complies with standards established via the Americans with Disabilities Act (ADA).
- Provide new scenic coastal access and coastal tourism opportunities in the City of Carpinteria, Santa Barbara County, and Ventura County.

Carpinteria Rincon Trail Project Environmental Impact Report

2.5 Location

The project is located on lands within the jurisdiction of the City of Carpinteria and the County of Santa Barbara (Figure 2-1). Carpinteria is a quaint seaside town located about 12 miles east of Santa Barbara near the intersection of Highway 150 and U.S. Highway 101, near the Ventura County line.

The proposed trail would provide a dedicated connection from Carpinteria Avenue to the Ventura County line through Rincon Beach County Park. The trail would begin near the eastern terminus of Carpinteria Avenue, and would proceed eastward along the existing benched slope adjacent to U.S. Highway 101. However, to achieve compliance with pathway surface slope limitations under the Americans with Disability Act (ADA), the existing benched slope would be regraded.

The proposed trail design includes a clear-span bridge over the UPRR alignment. The bridge would be approximately 160-feet-long, with a width of between 14-feet and 16-feet (clear width, measured inside the bridge rails).

At the south end of the UPRR bridge, the trail would continue eastward along a benched slope on the ocean-facing side of the bluff. The benched slope would be graded to be in compliance with ADA pathway slope requirements, and to provide long-term stability for the trail in accordance with engineering safety standards. Figure 2-2 illustrates the overall alignment of the proposed Carpinteria Rincon Trail. The proposed route is grade and horizontally separated from the U.S. Highway 101 freeway and the railroad corridor.

2.6 Surrounding Land Uses and Environmental Setting

Carpinteria and its surrounding area contain important natural resources, including outstanding beaches, the Carpinteria Salt Marsh Preserve, Carpinteria Reef, a Pacific harbor seal sanctuary, and coastal bluff, foothill and creek habitats supporting numerous plant communities and wildlife species.

U.S. Highway 101 is located to the north of the proposed trail alignment, the Pacific Ocean is located to the south below the Carpinteria bluffs; the UPRR rail corridor bisects the central portion of the trail alignment. Currently undeveloped bluff open space designated for visitor-serving commercial use (City of Carpinteria 2003) is located adjacent to the western end of the trail on Carpinteria Avenue, with the Rincon Beach County Park and Rincon Point residential community located adjacent the eastern terminus of the trail. Surrounding land uses are shown in Figure 2-2. Figure 2-2 also illustrates jurisdictional boundaries for the City of Carpinteria, County of Santa Barbara, Ventura County, and Caltrans right-of-way relative to the trail alignment.

The majority of the proposed trail route is located along and above U.S. Highway 101, and the alignment is completely within terrain that has been previously modified for transportation projects, which are now represented by old terraced road and rail cuts. Most of the area's natural landforms have been mechanically manipulated over the years as a result of road, highway and railroad construction activities dating back to at least the late 1800s. A small unsanctioned trail exists in some areas of the proposed trail, including the portion of the proposed trail from the railroad crossing to the Rincon Beach County Park parking lot. At both ends of the trail are pre-existing parking areas; Rincon Beach County Park has a paved lot and at Carpinteria Avenue there is an existing dirt lot, which would continue to provide informal parking for the proposed project.

The first portion of the trail, from the eastern terminus of Carpinteria Avenue to the UPRR corridor, traverses an engineered slope, cut during construction of U.S. Highway 101. The trail would cross the UPRR tracks in an area that

consists of engineered slopes cut during construction of the current railroad corridor. The second portion of the trail, from the UPRR crossing to the westernmost end of Rincon Beach County Park, is currently occupied by an existing informal trail on an existing cut bench that was abandoned by the railroad in the late 1960's. This informal trail is mostly flat in this area and its surface is mostly dirt; however, some original asphalt paving associated with the previous rail use remains in some areas. The top of the bluff formation in this area was also used for the previous alignment of State Route 2 (precursor to the current U.S. Highway 101 alignment) and abandoned in the 1960s. Remnants of the abandoned road alignment are still visible along the top of the bluff formation and overhang the existing informal trail. A few abandoned and current underground utilities and infrastructure exist in or nearby the proposed route, including but not limited to fiber optic lines, a sewer main, and storm drain infrastructure.

2.7 Project Description

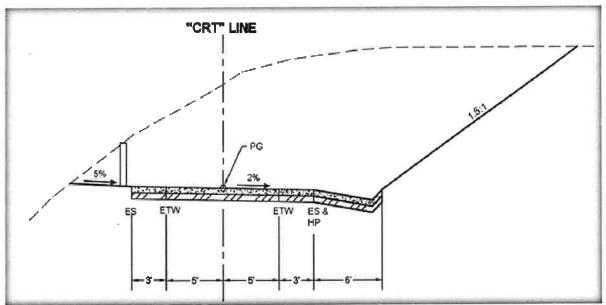
The proposed project consists of a 16-foot wide (10-foot wide path with a 3-foot wide paved shoulder along both sides) and approximately 2,800-foot long shared-use trail that would provide safe access for bicyclists and pedestrians traveling from Carpinteria Avenue in the City of Carpinteria to Rincon Beach County Park in Santa Barbara County at the Ventura County line. Figure 2-4, Site Plan, illustrates the proposed trail alignment.

The initial approximately 850 feet of the trail alignment (starting from the eastern Carpinteria Avenue terminus and heading east) is within the City of Carpinteria jurisdiction. The remaining approximately 1,950 feet of the trail alignment, including the bridge crossing over the railroad corridor, is located within the County of Santa Barbara.

The Rincon Trail is planned to function as the local section of the California Coastal Trail, connecting on the south end to the recently completed bicycle and pedestrian path constructed with the Caltrans HOV project from Carpinteria to the Mobil Pier in Ventura County. On the north, the Rincon Trail would currently connect with Carpinteria Avenue, which provides continuous bicycle and pedestrian travel from the eastern to western end of Carpinteria City limits. From Carpinteria Avenue an alternate route exists for cyclists and pedestrians south along Linden Avenue to 4th Street eastward through Carpinteria State Beach, and connecting with the Carpinteria Bluffs Trail, which is nearly continuous to the location of the Rincon Trail western trail head. The City is in the process of acquiring an easement over two parcels that would complete the Carpinteria Bluffs Trail from the Carpinteria State Beach to the Rincon Trail. In the near term, the City will also be completing additional trail and public parking improvements in conjunction with the recent acquisition of the Rincon Bluffs Preserve property, which is located immediately adjacent to the western terminus of the proposed Rincon Trail. The Rincon Bluffs Preserve improvements will serve to further enhance public recreational and alternative transit options in the area.

A cross-section illustrating the proposed trail configuration is provided below (following page). Note that the "travel" area of the path is intended to be 10 feet in width, but a paved 3-foot shoulder is provided along both sides (which allows additional space for pedestrians or cyclists to pass other trail users or navigate when opposite direction travelers are present). The paved 3-foot shoulder also improves access for emergency service and maintenance vehicles.

A safety fence is also illustrated (on the left) to prevent users from encountering the slope below the trail. The proposed fencing would be approximately 3.5 feet in height and consisting either of three-rail post and rail with a concrete base, chain link or other design of similar dimensions consistent with trail fencing in the community. A 6-foot wide swale would also be provided along the path where cut slopes are present to capture and convey stormwater, as shown in Illustration 2-1.



SOURCE: Bengal Engineering

Illustration 2-1 Rincon Trail Cross Section - Widths of Components

Legend for Illustration 2-1:

CRT Center of Route Travel
ETW Edge of Travel Way

ES Edge of Shoulder

HP High Point (of drain swale adjacent to path)

PG Path Guide

2.7.1 Earthwork

The trail design has been engineered to incorporate pathway travel slopes that are consistent with ADA standards. The design also avoids an area with deep landslides, south and west of the crossing point over the UPRR alignment, which were identified in geotechnical testing. The majority of project earthwork will occur on existing engineered slopes that were constructed as part of past road, highway and railroad projects; these manufactured slope faces in many instances are steeper than natural conditions, leading to increased erosion potential, which the project intends to correct though re-contouring to reduce slope angles. Construction of the proposed path design would involve a total of 107,386 cubic yards of cut, a total of 14,860 cubic yards of fill, and the export of a total of 92,526 cubic yards of earth material. The re-contouring of existing engineered topography along the path alignment to achieve more stable conditions is described in more detail below.

2.7.1.1 Pathway Slope Profiles Adjacent to U.S. Highway 101 (North of UPRR Alignment)

Cut slopes above the trail would have a slope ratio of 1.25:1, fill slopes (which would be present only adjacent to the bridge over the UPRR corridor) are proposed to have slope ratios between 2:1 and 4:1. The earthwork would alter the elevation of the bench on which the trail would be aligned, but would not alter the top elevation of the

existing hill/ridge as it remains from previous earthwork modification in this section of the alignment. Illustration 2-2 presents the existing versus proposed slope profile for earthwork modifications above and below the trail.

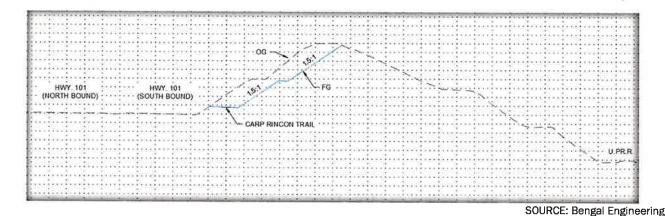


Illustration 2-2 Pathway Grading Profile Adjacent to U.S. Highway 101

Note in Illustration 2-2 that the proposed cut-slopes are similar in profile to those created during the U.S. Highway 101 construction. Some portions of the trail along the north side of the UPRR alignment would not have the upper bench shown above, where Carpinteria Avenue is in close proximity to U.S. Highway 101.

2.7.1.2 Pathway Slope Profiles South of UPRR Alignment

For the portion of the path on the ocean side of the UPRR alignment, the regraded slopes for the trail "bench" would employ cut slopes with a ratio of 1:1 above the trail, while a ratio of 1.25:1 would be employed for the "reinforced" fill slopes below the trail. The earthwork would alter the elevation of the bench on which the trail would be aligned, but would not alter the top elevation of the hill/ridge. Illustration 2-3 presents an example of the existing versus proposed slope profile for earthwork modifications above and below the trail.

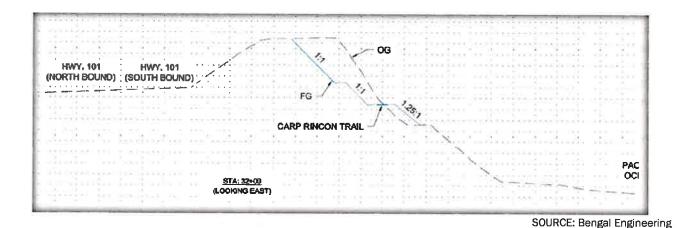


Illustration 2-3 Pathway Grading Profile South of UPRR Alignment

Note in Illustration 2-3 that the proposed cut-slopes are less-steep than those constructed for the railroad alignment in this area (illustrated as "OG" above) in order to provide an adequate margin of safety for the long-term stability of the slopes. Note there is also a proposed bench above the trail that would intercept rainwater and also prevent rock fall on the path below. The bench would also provide maintenance access for the manufactured slopes and path.

2.7.2 Bridge Detail

The bridge design includes a clear-span bridge over the UPRR alignment. The bridge would be approximately 160-feet-long, with a width of between 14-feet and 16-feet (clear width, measured inside the bridge rails). The bridge would be supported on foundations using deep piles. The bridge would be a factory-built steel structure, painted to protect it from corrosion because of the proximity to the ocean. The bridge would be delivered substantially complete, likely in 2 sections. After the two "halves" of the bridge are bolted together this unit would be lifted into place, likely using two cranes, one situated on either side of the UPRR tracks. Once the "factory made" portion of the bridge is in place, a concrete bridge deck would be cast-in-place, and the wing walls and abutment back walls would be completed. Illustration 2-4 provides an example of a similar scale pre-fabricated steel bike path bridge. Note the bridge for the Carpinteria Rincon Trail will have some similar characteristics, except that UPRR requires high "safety fences" for the full length of the bridge to protect the trains from potential objects thrown from the bridge platform.



SOURCE: Bengal Engineering

Illustration 2-4 Representative Steel Framed Bike Path Bridge

The approximate location of the Carpinteria Rincon Trail bridge over the UPRR alignment (the magenta colored line) is shown in Illustration 2-5. The relative elevation of the bridge can be compared to the U.S. Highway 101 bridge over the UPRR corridor (just above the elevation of the pictured train).



SOURCE: Bengal Engineering

Illustration 2-5 Approximate Profile and Location for Rincon Trail Bridge

2.7.3 Drainage

The proposed trail project includes an integrated storm drainage system to ensure stormwater runoff from the recontoured bluff face and the trail surface is conveyed to the ocean efficiently, avoiding potential erosion of slopes along the trail alignment. Along the portion of the trail north of the UPRR alignment, a concrete swale (v-ditch) would convey water along the trail edge, where it would be released into an existing surface drainage swale now serving U.S. Highway 101. This swale connects to an existing storm drain that crosses underneath the UPRR alignment, and then descends to the beach level. This storm drain is labelled as "1" in Illustration 2-6. No improvements are proposed to storm drain 1, and the trail storm drain volumes contributed to this storm drain would be negligible compared to existing flows already contributed from portions of U.S. Highway 101.



SOURCE: Bengal Engineering

Illustration 2-6 Major Storm Drainage Components of the Project

On the south side of the UPRR alignment, a concrete drainage swale would also carry surface runoff from the recontoured bluff face and trail, conveying such drainage along the side of the trail until it reaches one of the storm drain inlets lower in elevation. A total of 5 vertical storm drains would convey this stormwater from the trail to the beach elevation, for the trail segment south of the UPRR alignment (refer to Illustration 2-6). Drains No. 3 and No. 6 (shown in light blue in Illustration 2-6) are existing and would be re-used, including rehabilitation of existing piping; drains No. 2, No. 4, and No. 5 (shown in magenta in Illustration 2-6) would be newly developed for the project.

The new vertical storm drains would be installed during earth work for the trail and adjacent slopes, and would be buried to cross beneath the trail and then descend on the slope face to outlet at the beach elevation. Buried portions of the storm drain would be constructed of high-density plastic, transitioning to galvanized steel for the aboveground portions.

The majority of the length of the proposed trail is outside of the City of Carpinteria's and Santa Barbara County's respective 2013 Statewide Phase II Small Municipal Separate Storm Sewer (MS4) General Permit (2013 General Permit) boundaries, and thus the majority of the project is exempt from the Post Construction Requirements (PCRs) of the 2013 General Permit. Because the project is not regulated by the 2013 General Permit and PCRs therein, the project may not fully avoid potential water quality impacts unless it achieves compliance with active construction and post-construction requirements of the Statewide Construction General Permit (CGP). The proposed Rincon Trail drainage facilities are focused on the efficient collection and delivery of stormwater runoff from the trail surface to the ocean, no stormwater treatment components are included.

2.7.4 Trail/Path Features

The trail would be constructed of concrete to ensure longevity and low maintenance, including a concrete surface on the proposed bridge structure over the UPRR alignment. The trail width would be wide enough for bicyclists and hikers to easily ride and walk side-by-side, and pass others headed in the opposite direction. The 16-foot trail would also accommodate emergency and maintenance vehicle access to the project area. The bridge over the UPRR alignment would provide safe crossing for trail users over the railway and reduce the risk of accidents or fatalities associated with unsanctioned rail crossings. Additionally, the project would feature native plantings designed to transition to natural communities and restored native plant areas along the trail alignment. Vegetation and landscaping would consist of native trees and low-lying, native shrubs and groundcover. Native vegetation that would be removed along the immediate side of the trail for grading and improvements would be restored, and additional plantings to offset permanent removal of native vegetation beneath the trail alignment would be accomplished. Existing plant species in the project area that would have the potential to be restored include quail bush (Atriplex lentiformis), California sagebrush (Artemisia californica), California bush sunflower (Encelia californica) and lemonade berry (Rhus integrifolia).

Security fencing and/or railings would be provided along portions of the trail for safety and route guidance, and would also inhibit users from deviating off the designated path to ensure protection of adjacent native restoration plantings. The proposed fencing would be either three-rail post and rail with a concrete base, chain link or other design of similar dimensions consistent with trail fencing in the community, approximately 42 inches in height. A fence may be required along one or both sides of the trail depending on the characteristics of that segment's location, such as adjacency to bluff or slope features. As mentioned above, the bridge crossing would include chain link fence and a safety rail along both sides of the trail that lead up to the bridge.

Vehicle parking at the trailhead on the western end would be provided via an existing dirt lot adjacent to the Carpinteria Avenue terminus; no improvements to the informal dirt parking lot are proposed. The southern shoulder of Carpinteria Avenue, from SR 150 to the existing cul-de-sac terminus, provides parking for approximately 24 vehicles, and would be a short walk from the proposed western trail head. Signage would be installed to delineate parking and direct users toward the trail. Visitors traveling both northbound and southbound on U.S. Highway 101 would access Carpinteria Avenue from exit 84 for Highway 150 towards Ojai/Lake Casitas. Carpinteria Avenue is paved for approximately one-tenth of a mile past the existing dirt parking lot. The Rincon Beach County Park parking lot is also accessible from U.S. Highway 101 to the east. Exit 83 for Bates Road off of Highway 101 provides access to Rincon Point Road. Parking facilities and other park amenities are currently provided at Rincon Beach County Park; as such, no additional amenities are proposed in that location. A public parking lot within the eastern portion of the newly acquired Rincon Bluffs Preserve (a separate, future project in the same vicinity) would also serve both the open space preserve and the Rincon Trail once completed.

A sign providing a map of the trail and trail rules (including on-leash requirements for dogs) would be placed near the existing dirt parking lot at the western end of the trail. Additional wayfinding signs would be provided along the trail and up to four interpretive nature signs to illustrate surrounding biology, local geography and history of the area would also be provided.

Fire hydrants are currently provided at Rincon Beach County Park; no additional fire hydrants would be provided along the proposed trail. In the event of a wildfire, Carpinteria-Summerland Fire Protection District crews could access the trail from the west via Carpinteria Avenue or from the east via Rincon Beach County Park parking lot. Restrooms are also available at Rincon Beach County Park, which would serve users of the proposed trail as no additional restrooms would be provided along the trail. Restrooms are also contemplated as part of the future improvements to the Rincon Bluffs Preserve.

2.7.5 Construction

The shared-use trail would be 16 feet in paved width, including 10-feet for the travel lanes and a three-foot paved shoulder along each side (which would be available as additional travel way for navigating around pedestrians or cyclists that are within the main travel lanes). During construction of the trail, an additional one to four feet of area may be potentially impacted during grading for a total impact width of up to 20 feet depending on the trail location. However, virtually the entire trail length would be located on abandoned road or railway cuts or existing terraces that have been disturbed previously rather than on natural landforms and slopes.

To prepare the site for trail construction, the trail bench and slopes above and below the trail alignment would be rough graded to meet the proposed finished grade surface. The first stage would involve separate crews performing earthwork on the north side and south side of the UPRR alignment; the northern crew would use the Carpinteria Avenue extension for access, while the southern crew would access the earthwork areas from the Rincon Beach County Park parking area. Storm drain construction would be integrated with the rough grading activities. The second stage would involve bridge construction. Construction would begin with the bridge foundations, using deep piles. The bridge would be a factory-built steel structure. The bridge would be delivered substantially complete but in two sections. After the two "halves" of the bridge are bolted together this unit would be lifted into place using two cranes, one situated on either side of the UPRR tracks. Once this "factory made" portion of the bridge is in place, the concrete bridge deck will be cast-in-place, and the wing walls and abutment back walls will be completed. After the bridge is in place, finish grading of the path will occur. Next, the path surfacing, consisting of aggregate base under concrete paving would be completed. The final major stage would include the landscaping installation, habitat restoration activities, and erosion protection. Other final touches would include fencing, signing, and the path striping

Cut material on site would be utilized for the necessary fill material, as feasible. Excess cut volume would be exported from the site by haul trucks and transferred to the closest available receiver site. The quality of the excess graded material is anticipated to be suitable for fill material, which could be utilized by local on-going and future construction projects; several landowners in close proximity to the project site have also expressed interest in receiving soil. However, if at the time of project construction there are no local receiver sites for fill material, the project graded material would be transported to the closest transfer station or transported directly to the regional landfill.

It is anticipated that construction of the proposed project would commence in March 2022 and reach completion by March 2024, for a total construction window of approximately two years. The trail would be constructed using common earthwork equipment such as a dozer, excavator, dump truck, and roller. Removal of vegetation located within or adjacent to the proposed trail route would be conducted using a crawler tractor or similar small loader or backhoe. A haul truck would transport removed vegetation to the Marborg Construction and Demolition Recycling Center, located at 119 N. Quarantina Street in Santa Barbara, California or other green waste collection facility; construction waste would also be delivered to Marborg or another similar recycling facility in Ventura County.

Temporary fencing would be installed where necessary and would be removed after construction activity in the area is complete. Permanent safety rails and fencing would consist of wood and cement for the post and rail fences and steel for the chain link fences and would be installed using small tractors, such as a skid steer, and other hand tools. A small excavator would also be used to construct the proposed concrete v-trench that would guide runoff water to the proposed storm drain system. Paving of the proposed trail would take approximately one to three weeks and would require use of medium-sized tractors and trucks.

The proposed bridge structure would be fabricated off site. The bridge would be delivered by truck and installed using cranes, also delivered by truck. Additional smaller pieces of equipment, including welders and concrete saws, may also be utilized to link the bridge to the trail ramps. Construction of the overhead bridge would not interfere with railroad use in accordance with UPRR requirements, and may occur at night if required by UPRR to avoid daily train operations.

Signs would be installed after completion of the trail and bridge. Signs would be installed using a jackhammer and hand tools. Landscaping along the proposed trail would also occur after completion of trail construction. Revegetation of native plants and planting of the new slope faces would be achieved by hydroseeding using hydroseed trucks. Container plants would also be incorporated in the landscape palette. To ensure successful establishment of plantings, the planted vegetation would be watered weekly or bi-monthly depending on the season during the first two years of project operation through use of a water truck.

2.7.6 Operation

The proposed trail would accommodate multiple users including bicyclists and pedestrians. With the exception of "power-driven mobility devices" for persons with disabilities and maintenance or emergency vehicles, motorized vehicles would be prohibited on the proposed trail.

As with the majority of public trails in the City, access to the trail would be provided 24 hours a day, seven days a week. Trail closure would occur, however, during unsafe or emergency conditions, such as the unlikely event of a landslide or for some maintenance operations. No additional staffing for maintenance would be needed; instead, any trail maintenance needs would be accommodated by existing City of Carpinteria or County of Santa Barbara work crews on their respective portions of the trail.

Trash and recycling cans would be provided in the existing dirt parking lot at the western trail terminus. Waste collection services would be provided by E. J. Harrison and Sons or other local service provider and would occur weekly. As on-leash dogs would be allowed on the proposed trail, a dog waste bag dispenser and waste receptacle would be provided at the western end of the trail near the proposed parking lot. The dispenser would be similar to those currently provided by the City of Carpinteria's dog waste disposal bag program. Trash and recycling cans, and dog waste bag dispensers are currently available in Rincon Beach County Park and would serve trail users.

2.7.7 Acquisition of Right-of-Ways

The proposed trail route crosses several parcels of land owned by public agencies. The trail parking lot location on Carpinteria Avenue is owned by the City of Carpinteria; trail implementation would require no easements for this portion. Heading east, the next portion of the trail, which courses down a hill parallel to the highway, is owned by the State of California as part of the U.S. Highway 101 right-of-way. For this portion of the route Caltrans will transfer in fee title these two parcels to accommodate placement of the trail and bridge structure on this property.¹ From there, the proposed trail route crosses two parcels of land owned by UPRR (APN 001-010-032 and APN 001-220-092); an encroachment permit and approval from the California Public Utilities Commission (CPUC) are in process for construction and maintenance of the bridge structure within the UPRR parcels. The trail then connects to a parcel of land owned by the County of Santa Barbara as part of Rincon Beach County Park; trail implementation would also require no easements for this portion.

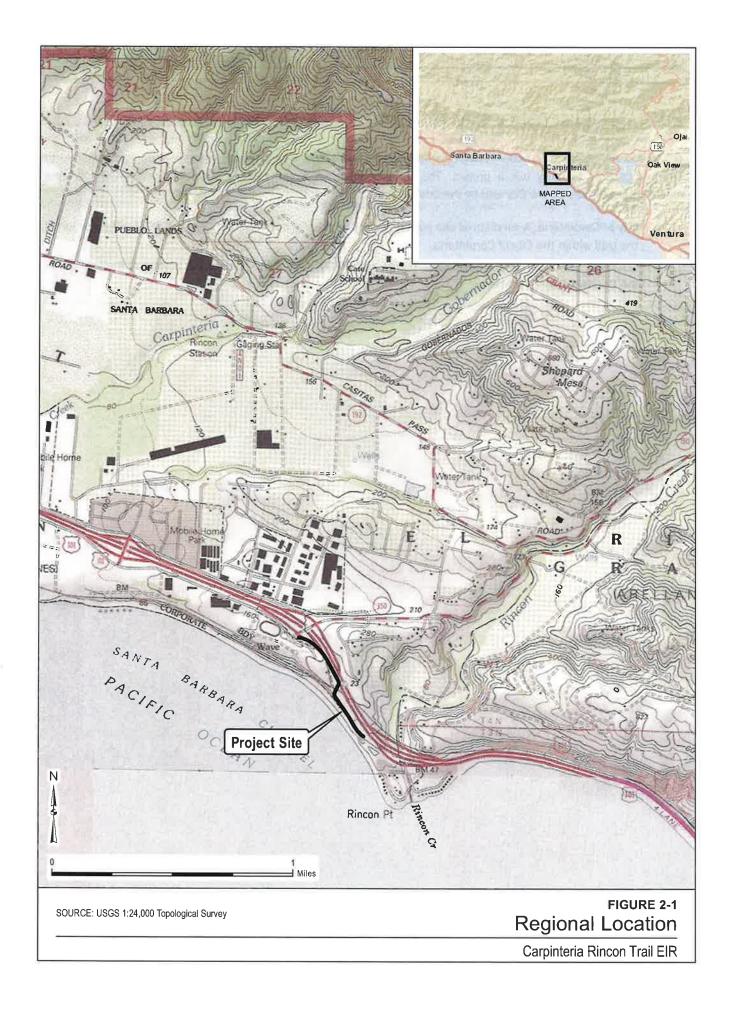
Carpinteria Rincon Trail Project Environmental Impact Report

The process for transferring ownership interest in real property from Caltrans to another public entity typically entails several months, and is subject to approval by the California Transportation Commission. Transfer of the two parcels would be completed prior to any construction commencing on the trail and in compliance with CEQA.

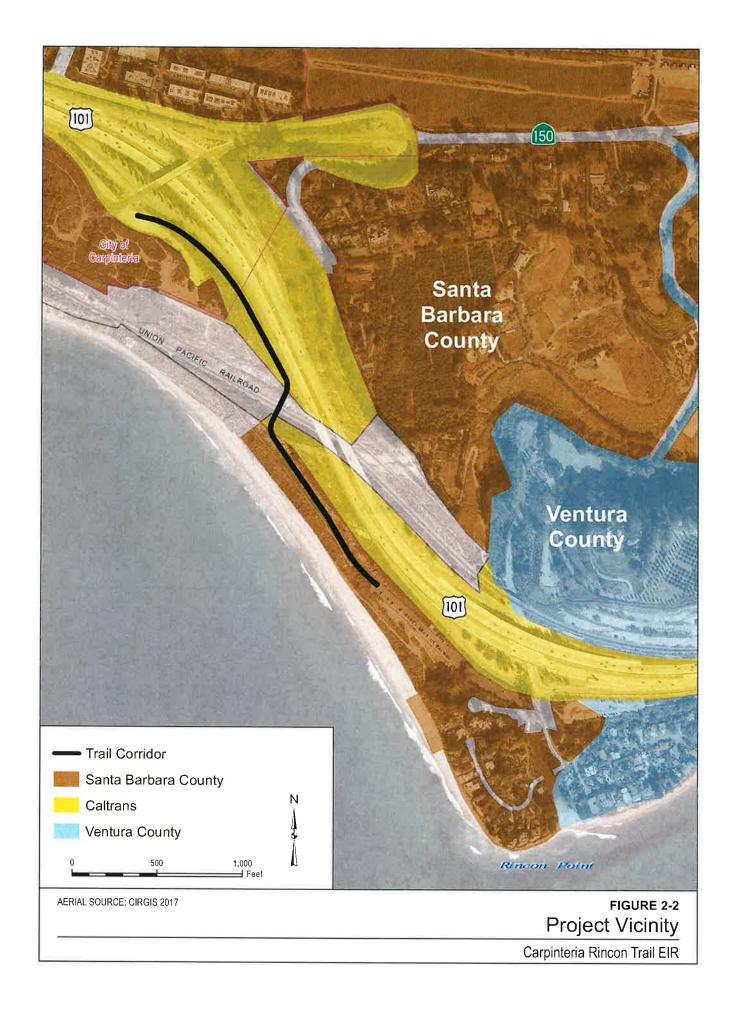
2.8 Discretionary Actions

A discretionary action is an action taken by an agency that calls for the exercise of judgment in deciding whether to approve or how to carry out a project. The proposed project would require consideration of the following discretionary actions by the City and by the County:

- City of Carpinteria: A conditional use permit (CUP) and coastal development permit (CDP) for the portion of the trail within the City of Carpinteria.
- County of Santa Barbara: A development plan permit (DVP), CUP and CDP for the portion of the trail within the County of Santa Barbara.



INTENTIONALLY LEFT BLANK



INTENTIONALLY LEFT BLANK

