Addendum No. 1

Bear Creek Redwoods Public Access Project

To: Request for Bid Recipients

From: Matt Brunnings

Date: March 27, 2018

Re: Addendum No. 1

Bidders must acknowledge receipt of the Addendum No. 1 by signing below and including this page in their bids. Addendum No. 1 consists of:

1. **Sign in Sheet from mandatory pre-bid meeting and site visit. -**
   See attached Exhibit 1
2. **Responses to questions issued during mandatory pre-bid meeting and site visit. -**
   See attached Exhibit 2
3. **Amended Bid Package documents. –**
   a. The following elements of the Project Bid Package have been amended:

      i. IFB Pages 1-31, including Bid Schedule
         a. Bid Opening date change to April 10, 2018 at 2:00 pm
         b. Various Parking Lot Bid Items revised. (Replace with new Bid Schedule)

      ii. Sheet L4.2 (Note concerning District Planting)Supplemental Conditions – Revised Attachment G – CXT Vault Toilet

      iii. Sheet C5.1
         a. Border has been updated to include delta 2 submittal and date.
         b. Detail #1 has been updated to include a thickened edge.
         c. Detail #1 has been updated to include note #6
         d. Detail #4 has been updated to change thermoplastic stripes to paint
         e. Detail #8 now includes top and bottom of culvert elevations.

      vi. Added Spec Section 32 17 26 Tactile Warning Surface to Parking Lot Specs.

The undersigned has carefully examined the following Addendum No. 1:

_____ _____ _____

Contractor's Name Company Date

(Page left intentionally blank)

Exhibit 1

Midpeninsula Regional
Open Space District

MANDATORY PRE-BID TOUR ATTENDANCE SHEET

BCR Public Access Project
March 15, 2018

NAME (Please print legibly)	FIRM / COMPANY	EMAIL (Please print legibly)
1. ROBERT WILLIAMS	GRANITE ROCK	ESTIMATING @ GRANITEROCK.COM
2. Brent Dixon	AMA DIVERSIFIED	AARON @ AMADIVERSIFIED.COM
3. SHIRLEY ALTAMIRANO	CALIFORNIA PLUS ENGINEERING	CPE @ CPEINC.US
4. JEAN SICARD	O.C. JONES & SONS	JSICARD @ OCJONES.COM
5. DAVID LEGANY	BAY AREA BOULDER CONCRETE	DAVID @ BAYAREABOULDERCONCRETE.COM

Midpeninsula Regional
Open Space District

MANDATORY PRE-BID TOUR ATTENDANCE SHEET

BCR Public Access Project
March 20, 2018

NAME (Please print legibly)	FIRM / COMPANY	EMAIL (Please print legibly)
1. DAVID KENNEDY	GRANITEROCK	ESTIMATING@GRANITEROCK.COM
2. Eric Larsen	Consolidated Engineering	elarsen@ce-labs.com
3. KURT JAGER	Pacific Underground	TCorbett@PacificUndergroundinc.com
4. Dan Baker	RNR Construction	dan@RNR-construction.com
5. ALAN BROUNER	Lewis & Tibbitts	abrouner@edgt.com

NAME (Please print legibly)	FIRM / COMPANY	EMAIL (Please print legibly)
6. FRED ACKERMAN	GRANITE CONST. Co.	FRED.ACKERMAN @ GCINC.COM
7. ANDREW JENCO	McGUIRE & HESTER	ESTIMATING@MCGUIREANDHESTER.COM @
8. LALO Gutierrez	TOP LINE Engineers	Lalo @ TOP LINE Engineers .com @
9. Sam Manthey	Gordon N. Ball, Inc	estimating @ ballconco.com
10. BILL HARRIS	HARRIS DESIGN	BILL @ HD-LA.COM
11.		@
12.		@

ADDENDUM NO. 1 – EXHIBIT 2

BEAR CREEK REDWOODS PUBLIC ACCESS PROJECT

SITE VISITS 3/15/18 AND 3/20/18

QUESTIONS AND ANSWERS

1) **Q: Can the bid opening date be pushed back at all?**
   A: Yes, the District has agreed to push the bid opening date back one day, to April 10th, 2018 at 2:00 pm at the District Administrative office in Los Altos.

2) **Q: When will certs for permeable concrete sub need to be submitted?**
   A: The apparent low bidder must submit the certification for their permeable concrete paving subcontractor within 48 hours of the bid opening.

3) **Q: Is there a special color required for aggregate base?**
   A: No specific color for the aggregate based is required. The aggregate base that the contractor proposes to use for the project must be submitted for District approval.

4) **Q: Is there tree removal within the scope of the parking lot?**
   A: The significant trees to be removed from the parking lot area have been removed by the District's tree contractor. The remaining vegetation to be removed from the parking lot / trailhead area consists of small trees (<6" dbh), shrubs, and plants.

5) **Q: Can contractor chip debris and stockpile on-site?**
   A: Yes, the contract can chip and stockpile vegetation to be removed.

6) **Q: Can contractor work under Owner issued encroachment permit?**
   A: Yes, the contractor can work until the District's encroachment permit.

7) **Q: Is the restroom delivered to the site?**
   A: Yes, the District furnished restroom will be delivered to the site in July and set with a small crane in the contractor prepared hole by the restroom supplier. Exact delivery date to be arranged with contractor.

8) **Q: Is the restroom vault tank fiberglass or concrete?**
   A: The tank for the vault toilet is made of reinforced concrete.

9) **Q: Where is the nearest water source located?**
   A: As identified at the job walk, the District is making available the hydrant at Gate BC01 for contractor use. The contractor must use a hydrant meter and reimburse the District for any water used.

10) Q: Is contractor responsible for re-planting/landscaping

A: No. The planting will be done in a separate contract following the construction project.

11) Q: Is lime treatment class II aggregate base required as parking lot area subgrade?

A: No, just for the road rehab work.

12) Q: Can a rough driveway be built at the future driveway location for construction access?

A: The contractor will have to get any approach to Bear Creek Road approved by the District and the County prior to construction and use. It is anticipated that a temporary driveway for construction access would be allowed.

13) Q: Will we be putting rock on the access road from Hwy 17?

A: Grading and new compacted baserock for the access road from Hwy 17 are included in the Bid as Bid Item #9.

14) Q: Will there be trimming work on the Webb Creek Bridge Road?

A: Yes, tree trimming is allowed but all pruning must be in accordance with ANSI A300 standards under the supervision of an arborist. In addition, all equipment must be sanitized between every tree. If untrimmed trees are damaged during construction the contractor must prune that tree following the same trimming procedures. Additionally, all tress must be cleared by the District for birds and bats prior to trimming.

15) Q: Is there access from below the fuel tanks?

A: No, the fuel tanks must be removed from the road above the tanks.

16) Q: Is there a standard width the road needs to be?

A: There is no standard for the road width. The width varies throughout the site.

17) Q: Do we need a specialty contractor for removal of the fuel tanks?

A: The empty fuel tanks must be properly disposed of by a qualified contractor.

18) Q: Where the trail layout changes, does the existing road need to be removed?

A: No, the existing road can be left in place.

19) Q: Have the tanks been tested for any hazards?

A: Yes, there is lead paint on the outside and inside of the empty tanks. The District believe that the tanks we previously used to store fuel.

20) Q: Can we remove trees at the tank removal area?

A: This project is not subject to the buy America material requirements for steel products.

21) Q: Is there private property rights on or near the project site?

A: The District owns the land adjacent to the project sites, there are no private property rights or issue known by the District project staff.

22) Q: Will there be any gabion walls/baskets?

A: No gabion walls or baskets.

23) Q: Will fabric be used between the base rock and gabion rock?

A: No. The contractor should keep this in mind when determining how much AB is needed for these sections, Some AB will fill in some of the voids I the gabion rock.

24) Q: Are brush and trees adjacent to the parking to remain?

A: Yes, all trees on site are to be protected in place.

25) Q: Does the District want to salvage Webb Creek Bridge?

A: The District prefers that the contractor salvage the bridge for reuse or at least recycling. It must be disposed of in accordance with Santa Clara County construction waste requirements.

26) Q: What are the existing piles/abutments supporting the bridge?

A: The existing abutment is redwood timbers.

27) Q: What is the scope of work within the creek?

A: There is no work within the creek. The contractor will only need to be within the banks for erosion control installation and possible existing abutment removal.

28) Q: Does Webb Creek dry up beneath the Webb Creek Bridge in summer?

A: No, the creek is fed by a year round spring.

29) Q: Will the public have access to the access road to be improved?

A: No, it is closed to public use.

30) Q: Known weight load rating for the existing Webb Creek Bridge?

A: The existing Webb Creek Bridge has no known load rating. The bridge was constructed for and used in logging operations of the area. The District does not vouch for the structural integrity of the current bridge.

31) Q: Do subcontractors need to see the work prior to bid submittal?

A: No, only prime contractors are required to attend one of the mandatory bid walks.

32) Q: Are electronic signboards required for public notice of construction?

A: No, the District is currently working to install construction notification signs on Bear Creek Road in advance of the start of construction.

33) Q: Can the contractor use the water tanks located on the road from BC12 for water?

A: No, that water is for the Bear Creek Stables only. It is not the District's water.

34) Q: What are the concerns of using Bear Creek Rd as construction access?

A: The tight turns and steep grades limit vehicular access to the work sites. The posted signs at the bottom of Bear Creek Road prohibits vehicles over 3 tons or with trailers over 30'.

35) Q: Are there any gate installers the District has worked with?

A: CCOI out of Hollister currently has a contract to maintain the District's automatic gates.

36) Q: Please define a "reasonable delay" for biological concerns.

A: "Reasonable delay" of work due to biological concerns is defined as less than 30 minutes. Delays of greater than 30 minutes can be tracked and paid for out of the stand down allowance bid item.

37) Q: How will contractor import or export soils within the landscaping areas.

A: The majority of import soil will be used for grading fill. All planting areas and seeding areas shall receive a minimum six-inch layer of native topsoil per Note 2 on sheet L 2.2. Please refer to Section 32 91 13 for all landscape soil preparation requirements.

38) Q: Will the existing bat boxes near the access road remain?

A: The existing bat boxes will remain in place. The contractor shall not disturb or damage the bat boxes during construction.

39) Q: What is the water plan for pumping water for the piers at the bridge?

A: Once we receive the permit, we can see what the requirements are.

40) Q: Can we use the area the trail relocates as a lay down area?

A: Yes.

41) Q: Do we remove the fuel tank and the foundation? What do the footings look like?

A: Yes, see photo below for details.

42) Q: **Will this be a loop trail? Do we have another way to bring in equipment?**

A: The road that is being repaired is a through road form gate BC05 to BC09. There are steep and windy section of that road that would not work for all delivery vehicles.

43) Q: **What are the working hours for the project?**

A: Monday-Friday 7:00am-5:00pm.

44) Q: **Is there a soil report/geotechnical report near the bridge?**

A: Yes, there is a geotechnical report in the bid package. Borings were taken near the approaches to the bridge.

45) Q: **What are the specs for the concrete? Is the concrete mix design a synthetic material?**

A: The concrete specifications detailed are within the bid package. The concrete is not a synthetic mix design.

46) Q: **What is the distance from gate BC-09 to Webb Creek Bridge?**

A: The distance from BC-09 to Webb Creek Bridge is approximately 0.5 miles.

47) Q: Is there any restoration work required at the tank area?

A: No.

48) Q: How thick is the tank steel?

A: We do not know.

49) Q: Is rip rap needed at the retaining wall?

A: Yes

Bid Package – ISSUED FOR BID

Bear Creek Redwoods Public Access Project

Bear Creek Redwoods Open Space Preserve
Santa Clara County, California

Date: March 7, 2018

(Page left intentionally blank)

BID PACKAGE CONTENTS

A. Project Narrative

B. Bidding Documents

1. Invitation to Bid
2. Instructions to Bidders
3. Location Map of Bid Opening

C. Bid Forms

1. Bid Proposal Form
2. List of Subcontractors
3. Noncollusion Affidavit
4. Bid Bond

D. Agreement Forms

1. Form of Agreement - at time of execution, Agreement will include:
   - Exhibit A: Agreement Scope of Services (Contractor Bid Proposal Form)
2. General Condition of the Agreement
   - Exhibit 1: Labor and Materials Payment Bond
   - Exhibit 2: Performance Bond
   - Exhibit.3: Worker's Compensation Certificate
   - Exhibit 4: Proposed Change Order Request Template
   - Exhibit 5: Change Order Template

3. Supplemental Conditions of the Agreement
   - Exhibit 6: Location Map
   - Exhibit 7: Mitigation Measures and Reporting Plan (MMRP)
   - Exhibit 8: Geotechnical Investigation Reports
     A. Retaining Wall
     B. Alma Parking Area
     C. Webb Creek Bridge

E. Project Scope Documents

1. Project Plans:
   A. Soldier Pile Retaining Wall
   B. Alma Parking Area and Trailhead
   C. Webb Creek Bridge Replacement
   D. Road and Trail Improvements
   E. Alma Parking Area Restroom Plans

2. Project Specifications:
   A. Soldier Pile Retaining Wall (N/A, included on plan sheets)
   B. Alma Parking Area and Trailhead
   C. Webb Creek Bridge Replacement (N/A, included on plan sheets)
   D. Road and Trail Improvements

(Page left intentionally blank)

A. PROJECT NARRATIVE

Project Description

The purpose of this project is to provide construction services for the installation of public access improvement projects within the Bear Creek Redwoods (BCR) Open Space Preserve. The scope of work shall include, but is not limited to: 50 space parking lot construction, prefabricated restroom installation, bridge removal and replacement, roadway grading and slope repair; removal and replacement of roadway drainage inlets and culverts; aggregate base road improvements, rocked shoulders, rock slope protection, and headwall protection; new soldier pile retaining wall; removal and disposal of fuel tanks; as further detailed and described herein as the Contract Documents. Included in the Contract Documents are the following sets of plans:

- Bear Creek Redwoods – Phase One Road Work Retaining Wall at MP 204 by Waterways Consulting Inc., dated 01/16/2018. *(This work to be completed first.)*
- Bear Creek Redwoods – Phase One Road and Trail Improvements by Waterways Consulting Inc., dated 03/06/2018.
- Webb Creek Bridge Replacement Project by Mesiti – Miller Engineering, Inc., dated 2/20/2018
- Alma College Parking Area and Trailhead by Harris Design, 2/2/2018

Project Location

Bear Creek Redwoods Open Space Preserve is located roughly 5 miles South of Los Gatos along Bear Creek Road between Highway 17 and Highway 35 in the County of Santa Clara. Project addresses vary on Bear Creek Road, Los Gatos, CA 95033.

- The retaining wall is located on RD 300, 0.17 miles past gate BC05 on Bear Creek Road
- The parking lot is located at Alma College Road and Bear Creek Road, approximately 1.0 mile from Highway 17
- Webb Creek Bridge is located on RD 300, 0.28 miles past gate BC09 on Bear Creek Road

Project Schedule

Award of Contract is anticipated to occur on April 26, 2018. On site activities cannot commence prior to May 7, 2018, by which date contractor must comply with all pre-construction submittal requirements. **Project must be complete no later than October 24, 2018.**

Project Budget

Total project cost has been estimated to be approximately $2,800,000 which includes the cost of General Conditions, mobilization, demolition, grading, construction of all site elements, and associated site restoration, and allowances for all EIR site mitigation requirements.

(Page left intentionally blank)

B. BIDDING DOCUMENTS

(Page left intentionally blank)

1. INVITATION TO BID

Notice Is Hereby Given that the Midpeninsula Regional Open Space District will receive bids at the Office of the Midpeninsula Regional Open Space District, 330 Distel Circle, Los Altos, CA **on or before 2:00 p.m. on Tuesday, April 10, 2018** for the furnishing of all labor, materials and services required for the following designated scope of work:

1. **Project:**

   Bear Creek Redwoods Public Access Project

2. **Scope of Work:**

   The scope of work shall include, but is not limited to: construction of new 50 space parking lot, removal and replacement of existing 30' bridge, construction of a new soldier pile retaining wall, roadway grading and slope repair; removal and replacement of roadway drainage inlets and culverts; miscellaneous drainage infrastructure improvements; installation of aggregate base, rocked shoulders, rock slope protection, and headwall protection; as further detailed and described herein as the Contract Documents.

   Type A Contractor license required.

Two pre-bid site visits will be held. It is MANDATORY that all bidders attend one of these site visits. Site Visit # 1 is scheduled for Thursday, March 15th at 2:00 pm and Site Visit #2 is scheduled for Tuesday, March 20th at 9:00 am. Mandatory Reservation Required: RSVP to Melissa Borgesi at 650-691-1200 (or by email at mborgesi@openspace.org) by 2:00 p.m. the day before the site visit. Melissa will provide directions to the meeting location and notice of any weather delays or changes.

Complete project information is contained within the project Bid Package, which is available online, at the office of the District, and at local Builders Exchanges. Please visit the District's Request for Bids page at http://www.openspace.org/news/request_for_bids.asp.

For additional information, contact Matt Brunnings, Senior Capital Project Manager, Midpeninsula Regional Open Space District, 330 Distel Circle, Los Altos, CA 94022-1404; (650) 691-1200.

(Page left intentionally blank)

2. INSTRUCTIONS TO BIDDERS

To be considered, bids must be made in accordance with these Instructions to Bidders.

1. CONTRACT DOCUMENT AVAILABILITY

Each bid proposal shall be made in accordance with the Bid Package documents on file, included in this package, and available for inspection by the end of **the day on March 7, 2018** at the District website at http://www.openspace.org/news/request_for_bids.asp and at the locations below:

Builders Exchange of Santa Clara County 400 Reed Street Santa Clara, CA 95050 408.727.4000 408.727.2779 fax www.bxscco.com/	Peninsula Builders Exchange 735 Industrial Road #100 San Carlos, CA 94070 650.591.4486 650.591.8108 fax www.constructionplans.org	The San Francisco Builders Exchange 850 S. Van Ness San Francisco, CA 94110 415.282.8220 415.821.0363 fax www.bxofsf.com
Builders Exchange of Alameda County 3055 Alvarado Street San Leandro, CA 94577 510.483.8890 510.352.1509 fax www.beac.com		

Electronic copies of the Bid Package are available and may be downloaded from the following link: http://www.openspace.org/news/request_for_bids.asp

A hard copy of the Bid Package document may be reviewed at the District administrative office located at 330 Distel Circle, Los Altos, CA 94022. Bidders can download and print / plot hard copies or order them through the Builders Exchange. A CD containing the Bid Package can be requested by contacting Melissa Borgesi at 650-691-1200. Please allow 24 hours and CD must be picked up at the District administrative office.

2. MANDATORY PRE-BID SITE WALK INFORMATION

All bidders must attend one of the mandatory pre-bid site walks. Pre-bid Site Walk #1 will be held on Thursday, March 15th, 2018 at 2:00 pm and Pre-bid Site Walk #2 will be held on Tuesday, March 20th, 2018 at 9:00 am. Participants will meet at a prearranged parking location at or near the Preserve. **To receive directions to the meeting location and notice of any weather delays, bidders must RSVP to Melissa Borgesi at (650) 691-1200 no later than 2:00 P.M. on the day before the site walk. Due to logistical constraints, a maximum of 2 representatives per company will be permitted.** The mandatory pre-bid meeting will include a tour of the site. Tour participants should allow a minimum of two hours and should wear suitable footwear and appropriate dress for the open space conditions. Extreme weather

conditions or other unforeseen conditions could cause the tour to be **cancelled and re-scheduled. You will be sent an e-mail the afternoon before the pre-bid meeting if it is cancelled.** The pre-bid meeting and site walk will take at least 2 hours, not including your travel time to arrive at the meeting location. The District will provide water, but attendees should bring their own food.

3. TENTATIVE PROJECT SCHEDULE

March 7, 2018	Request for Bids issued
March 15, 2018	Pre-Bid Site Walk #1 at 2:00 pm
March 20, 2018	Pre-Bid Site Walk #2 at 9:00 am
March 29, 2018	11:00 a.m. - Deadline for Bidders to pose questions.
April 3, 2018	6:00 p.m. - Final Addendum to Bid Package issued
April 10, 2018	Bid Opening, 2:00 p.m. 330 Distel Circle, Los Altos, CA, 94022
April 25, 2018	Award of Contract by District Board of Directors Regular Meeting, begins at 7:00 p.m.
April 26, 2018	Written Notice of Award of Contract
May 2, 2018	Pre-Construction Meeting and deadline to submit Labor and Materials Payment Bond, Performance Bond, Proof of Insurance, and signed Agreement
May 7, 2018	Written Notice to Proceed issued by District
October 24, 2018	Project Completion

4. BID PROPOSAL GENERAL REQUIREMENTS

Prior to submitting his/her proposal, the Bidder shall thoroughly examine the Contract Documents and shall participate in the mandatory pre-bid conference and site walk to understand the site conditions and scope of Work. Any questions, concerns, errors or ambiguities noted by the Bidder during said examination shall immediately be called to the attention of the District Representative prior to a submission of a bid. The District will issue addenda with interpretation of the cited questions, concern, error or ambiguity. No subsequent claim for extra work will be allowed on account of claimed misunderstanding of the meaning or intent of the Contract Documents, site conditions, or any other documents included in this Bid Package if the item occasioning the claim appeared in, or was inferable from, said documents or from site investigations mandated for bidding purposes.

Examination of Site. Attention is directed to Bidder's obligation to examine the Work site; compare the site with the Plans and Specifications; determine any site variation that affects the Bid; and investigate the conditions of existing clearances, restrictions, or limitations that affect access to the Work. Bidder’s failure to do any and all of the above shall not be a basis for claim of additional monies or extension of time.

Examination of Contract Documents. Bidder shall examine the Contract Documents to verify that there are no missing pages or sheets and shall obtain and examine any and all missing material prior to submitting the Bid.

Contract Documents Addenda. Explanations or interpretations will be made by District in the form of addenda to the documents and furnished to all bidders. **Oral explanations and interpretations made prior to the Bid opening shall not be binding.** All questions to the District must be made by the General Contractor. No questions from proposed Subcontractors will be received. Written addenda modifying Bid Package documents will be emailed, mailed or faxed to the Builders Exchanges listed above and to all prospective Bidders that attend the pre-bid meeting or otherwise submit a written request for notice of addenda.

Addenda will also be posted on the District's website at www.openspace.org/news/request_for_bids.asp. The final Addendum will be furnished no less than 72 hours prior to the opening of Bid Proposals. **Addenda must be referred to by number and date on the Bid Proposal form.** It is the Bidder's obligation to consider all addenda before submitting a Bid Proposal.

Form and Delivery. The Bid Proposal must be submitted on the Bid Proposal form supplied with these instructions. Alterations to the printed text are not permitted. ***Every blank on the enclosed Bid Proposal form should be filled out completely (or provided in another format). Either cross out or insert "N/A" in the blanks that are not applicable. Bid Proposals containing blanks may be disqualified, at the District's sole discretion.*** The Bid Proposal must be delivered (with enclosures, if any) to the following address, in a sealed envelope marked Bear Creek Redwoods Public Access Project":

Midpeninsula Regional Open Space District
Attention: Matt Brunnings
330 Distel Circle
Los Altos, CA 94022-1404

Bid Proposals will be received only at the address identified above. If the Bid Proposal is mailed via the United States Postal Service, it must be sent by certified or registered mail, return receipt requested; if sent by courier or commercial carrier, it must have a tracking number or proof of receipt, and be received by the District prior **to 2:00 p.m. April 10, 2018**. **Bid Proposals will not be accepted via fax or email.**

Bid Proposal Opening Information. **Sealed Bid Proposals shall be publicly opened at 2:00 p.m. on April 10, 2018. Any Bid Proposal not delivered before the time set for the opening of bids will be returned unopened.** Incomplete Bid Proposals may result in bid rejection, in District's sole discretion. Bid Proposals are expected to be presented to the Board of Directors of the District at their regular meeting on April 25, 2018. The Board will take formal action at that time to determine whether, and to whom, to award the contract.

5. BID SUBMITTAL

Bidders shall execute and submit the attached Bid Proposal form. Each Bid Proposal must give the full business address of the Bidder, and be signed by him/her. Bid Proposals by corporations must identify the legal name of the corporation, be signed by an authorized officer of the

corporation, and include a corporate resolution conferring such authorization. Bid Proposals by partnerships must furnish the full name of all partners and must be signed by one of the partners. After the signature, the Bid Proposal shall designate the position of the person signing.

The following forms are to be executed and submitted by Bidders with Bid. ***Bid Proposals must include the following:***

- Attachment 1: Bid Proposal
- Attachment 2: List of Subcontractors
- Attachment 3: Noncollusion Affidavit
- Attachment 4: Bid Bond

Due from apparent low bidder within 48 hours of bid opening:

- **Permeable Concrete Qualifications**
  (per Permeable Concrete Paving Technical Spec Section B-32-13-43)

6. BID NON-REVOCABLE

In consideration of District's reliance on and investigation and consideration of the Bid Proposal of the undersigned, the undersigned agrees that such Bid shall be irrevocable and shall not be withdrawn for ninety (90) calendar days following the Bid opening even though an award is made to another Bidder. Thereafter, such Bid shall be automatically relieved.

7. BID GUARANTEE

No Bid will be considered unless accompanied by a guarantee in the amount of ten percent (10%) of the Total Base Bid, which shall be one of the following: (a) a Bid Bond supplied in the enclosed Bid Form written by an admitted surety satisfactory to the District in its sole discretion, (b) a certified or cashier's check made payable to the District, or (c) a cash deposit. In the event a successful Bidder fails to satisfy all conditions for accepting the award within the stated time limits, the District may declare the Bidder's Bid Guarantee in default. Bidder acknowledges that the amount of actual damages the District would suffer in such event is extremely difficult and impractical to determine at this time by reason of the uncertainties, lapse of time, expense and loss of likely bidders resulting from the probable need to re-advertise and call for new bids. Bidder agrees that if a default occurs, the amount of such Bid Guarantee shall be kept by the District as liquidated damages and agrees that the District may then award the work to any other bidder or may call for new bids. **All Bid Guarantees will be held until after an award is made, an Agreement entered into, and required bonds and proof of insurance provided for the Work, at which time they will be returned.**

8. NONCOLLUSION AFFIDAVIT

No bid will be considered unless accompanied by a fully executed Noncollusion Affidavit, which is supplied with these instructions.

9. LICENSE REQUIREMENTS

Under California Business and Professions Code §7000 through § 7145, commonly known as the "Contractor's License Law", Contractor must possess an appropriate license that is current and valid at the commencement of and throughout the Term of the Agreement for the Work. The License required for this Agreement is **Class A, General Building Contractor**. All subcontractors must possess an appropriate license that is current and valid at the commencement of and throughout the Term of the Agreement.

10. INELIGIBLE CONTRACTORS

No contractor or subcontractor who is ineligible to Bid on a public works project pursuant to Section 1777.1 or 1777.7 of the Labor Code may Bid or work on the Project.

11. BOND AND INSURANCE REQUIREMENTS

The successful Bidder shall obtain and maintain in full force, workers compensation insurance (California Labor Code §§ 1860 & 1861) and commercial general liability and automobile insurance as further described in the Agreement. Bond and Insurance requirements are further described in the Agreement.

12. PREVAILING WAGES

As required by law, the Contractor shall pay all workers California prevailing wages for each trade or classification on the job during the term of this project. These rates include employer payments for health and welfare, pension, vacation, travel time, subsistence pay and apprenticeship or training. Prevailing wage information can be found at the following website: http://www.dir.ca.gov/dlsr/DPreWageDetermination.htm.

Contractors and subcontractors listed on bid proposals must be registered with the California Department of Industrial Relations (DIR) in order to be eligible to work on public works projects (Cal. Lab. Code §§ 1725.5, 1771.1). Work performed on public works projects is subject to compliance monitoring and enforcement by the DIR. All contractors and subcontractors must furnish electronic certified payroll records directly to the Labor Commissioner. More information can be found at the following website: http://www.dir.ca.gov/Public-Works/PublicWorks.html

13. NON-DISCRIMINATION

The successful Bidder and its subcontractors must comply with all applicable state and federal equal employment opportunity and affirmative action laws throughout the term of the Contract.

14. RESPONSIBLE BIDDER

It is the intention of the District to award the contract to the responsible Bidder with the lowest responsive Bid. Public Contract Code §1103 defines "responsible bidder" as "a bidder who has

demonstrated the attributes of trustworthiness, as well as quality, fitness, capacity and experience to satisfactorily perform the Contract." This includes the ability to complete projects on time, specifically when working on multiple projects concurrently. A bidder that is determined by the District not to be responsible due to a failure to meet these requirements shall have his/her Bid disqualified.

15. RESPONSIVE PROPOSAL

The District will award the contract to the lowest responsible bidder submitting a responsive proposal based on the information contained in the bid. The lowest bid shall be the lowest bid price on the Total Base Bid. District may contact firms to clarify information contained in their proposal. The District reserves the right to reject any or all proposals and to waive any conditions or formalities.

Every blank on the enclosed Bid Proposal form should be filled out completely (or provided in another format). Either cross out or insert "N/A" in the blanks that are not applicable. Bid Proposals containing blanks may be disqualified.

Before contract is awarded the District may, at its discretion, require from the bidders further evidence of qualification, ability to perform, and financial responsibility, and may consider such evidence in making the decision on the award of such proposed contract. In addition, District may require that Contractor submit a complete disclosure of contractor's staffing level, current and anticipated workload, and affirm that they can meet all project requirements and have the personnel and equipment to complete the project within the budget and schedule stipulated in the Contract Documents. Notwithstanding Contractor's affirmation that they can meet the project requirements, if District, in their review of Contractor's past performance, finds documented evidence of inability to meet project schedule or cost requirements, District will have cause to reject the Bid. Refer to Item 16.

Criteria for a responsive proposal from a responsible bidder include but are not limited to the following requirements:

- Qualifications and appropriate licensing of assigned personnel & listed subcontractors
- Ability to perform work within the specified project schedule and budget
- Proposed fee and overall cost effectiveness of the bid
- Experience completing similar work

16. RIGHT TO REJECT BIDS

The District reserves the right to reject any or all Bid Proposals, to waive any informality, minor technical defect, or irregularity in Bid Proposals, and to accept or reject any items of a Bid Proposal. The District, at its discretion, may reject as incomplete any bid which is in any way conditional, includes exceptions, alterations or omissions, or includes reservations to the terms of the Bid Proposal form, drawings, specifications, or other contract documents. The District reserves the right to reject any and all bids. District will reject bids from any contractor for whom there is documented evidence of project schedule delays and cost overruns and / or documented inability to meet project performance requirements.

17. WITHDRAWAL OF BIDS

Bid Proposals may be withdrawn prior to the opening only by a signed, written notice received by the District Representative prior to the commencement of the Bid Proposal opening.

18. BID PROTESTS

A bidder who intends to protest the apparent low bid must submit the protest to the District project manager within five (5) working days after the District's issuance of the Memorandum of the Bid Opening, excluding Saturdays, Sundays and District holidays. The Memorandum of the Bid Opening is normally issued by District staff on the day of the Bid Opening to all bidders, identifying the apparent low bidder.

a. The bid protest must be a complete written statement detailing the basis for the protest, including reference to specific facts, portions of the bid or contract documents, or reference to specific statutes, that form the basis for the protest. The protest must be signed by the party filing the protest. Failure to give written notice by Close of Business on the fifth working day following issuance of the Memorandum of the Bid Opening shall waive the right to protest.
b. Notification by personal delivery, overnight courier, email and/or facsimile is sufficient. If the written protest is sent by facsimile, Protesting Bidder must provide a FAX (facsimile) number and verify that the pages were all received by the District project manager.
c. The protest may be withdrawn at any time while under consideration by the District.
d. Review by District
    i. The District project manager will notify the apparent low bidder of the bid protest.
    ii. The District will afford the apparent low bidder the opportunity to submit a response to the written protest.
    iii. The District will review timely protests prior to awarding the contract. The District is not be required to hold an administrative hearing to consider a bid protest, but may do so at the sole option of the Assistant General Manager, or if otherwise legally required. The AGM or his/her designee shall consider the merits of any timely protests and make a final determination thereon.

19. BASIS OF CONTRACT AWARD

Definitions:

(a) The ***Total Base Bid*** is the contractor's Bid for all items listed in the Bid Proposal;
(b) For a definition of ***Responsible Bidder***, see Instructions to Bidders, Item 14.

The contract will be awarded to the lowest Responsible Bidder, as defined above under Responsive Proposal considering the following factors:

(a) If the lowest *Total Base Bid* is equal to or less than the *Project Budget* (as stated in *Instructions to Bidders*), the contract will be awarded to that Bidder;
(b) If the lowest *Total Base Bid* is greater than the *Project Budget*, that Bidder may be awarded the contract, or, all Bids may be rejected, at the sole discretion of the District;

(c) In the event of a tied low bid, the award would be based on a coin toss or equivalent random selection process.
(d) The District reserves the right to reject any or all of the Bids at its sole discretion.

20. NOTICE OF AWARD

Immediately after Board action, the District Representative will notify the Contractor in writing of award of the contract. Contractor shall provide District Representative a Labor and Materials Payment Bond, Performance Bond, Proof of Insurance, and signed Agreement within ten (10) calendar days of Award of Contract.

(Page left intentionally blank)

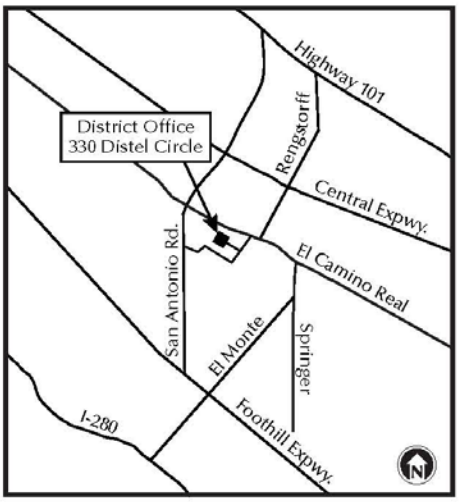
3. LOCATION MAP OF BID OPENING

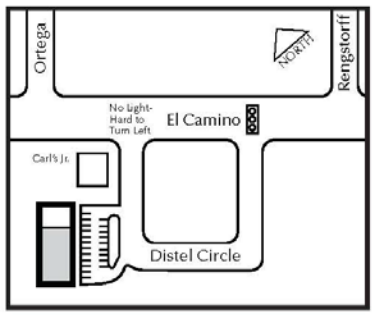
Midpeninsula Regional
Open Space District

Directions to the Administrative Office
330 Distel Circle, Los Altos, CA 94022
Phone: 650.691.1200

From Highway 101 in Mountain View, take the Rengstorff Avenue exit. Drive southwest on Rengstorff Avenue for approximately 2 miles. Turn right at El Camino Real. Turn left on Distel Circle. (Look for the Carl's Jr. restaurant at the corner of El Camino and Distel Circle. There is no traffic signal at the intersection.) The District office is the second building on the right.

From I-280 in Los Altos, take the El Monte Avenue exit. Drive northeast on El Monte Avenue for approximately 2.5 miles. Turn left on El Camino Real and drive half a mile. Turn left on Distel Circle. (Look for the Carl's Jr. restaurant at the corner of El Camino and Distel Circle. There is no traffic signal at the intersection.) The District office is the second building on the right.





Updated 3.1.09

(Page left intentionally blank)

C. BID FORMS

(Page left intentionally blank**)**

1. BID PROPOSAL FORM

(To be executed by Bidder and Submitted)

Project Name:	Bear Creek Redwoods Public Access Project
Location:	Bear Creek Redwoods Open Space Preserve
Budget Code:	
Scope of Work:	Retaining Wall, Road and Trail Improvements, Parking Lot, Webb Creek Bridge, Tank Removal
District Representative:	Matt Brunnings Midpeninsula Regional Open Space District 330 Distel Circle Los Altos, CA 94022 (650) 691-1200

The undersigned has carefully examined the site conditions for the Work, attended the Mandatory Pre-Bid Meeting, reviewed all documents in the Bid Package, including the Drawings, Plans and Specifications, accepts all terms and conditions of the Agreement, and has reviewed the following Addenda (fill in blanks below as appropriate to the number of Addenda issued for the project):

Addendum No._____, dated _____, 20_____,

Addendum No._____, dated _____, 20_____,

Addendum No._____, dated _____, 20_____.

1. BASE BID

Bid Proposal will be evaluated based on **Total Base Bid.** District may opt to award additional work based on unit pricing submitted herein. Bidders proposed Duration for Completion shall be for Total Base Bid. **Please reference D.3 Supplemental Conditions, Article Four, Paragraph K – Typical Work Scenario – Base Bid and Stand-Down Time for critical information required to complete the Bid Form.**

Item No.	Item Description	QTY.	Unit	Unit Price	Extension
1	General Conditions, Safety, Site Supervision & Insurance;	1	LS	$	$
2	Traffic Control	1	LS	$	$
3	Site SWPPP / BMP's	1	LS	$	$
4	Construction Staking	1	LS	$	$
5	Phytophthora Contamination Prevention Requirements	1	LS	$	$
6	Stand-down Time Allowance	1	LS	$50,000	$ 50,000

7	Allowance for removal and disposal of unforeseen hazardous materials	1	LS	$20,000	$ 20,000
8	Temporary protection of site trees to remain	1	LS	$	$
9	Access Road Improvements: Blade and place 4" of 90% compacted Class II AB between BC12 and Parking Lot Site	13,000	SF	$	$
	SUB TOTAL SITE WIDE WORK			$	
1	**RETAINING WALL**		Unit	Unit Price	Extension
1.0	Mobilization / Demobilization	1	LS	$	$
1.1	Retaining Wall Project Area Per Retaining Wall plan set, including but not limited to the follow items: • Solider Pile Retaining Wall • Demolition and Disposal • 25 LF 24" Culvert • 50 LF 24" Slope Drain • Excavation and Grading • Rock Slope Protection	1	LS	$	$
	SUB TOTAL RETAINING WALL IMPROVEMENTS			$	
2	**ROAD IMPROVEMENTS**	QTY.	Unit	Unit Price	Extension
Road 300 and 340 Common Features					
2.0	Mobilization / Demobilization	1	LS	$	$
2.1	Supply and Place Gabion Rock	8	CY	$	$
2.2	Lime Treated Aggregate Base (4" thick)	140,000	SF	$	$
2.3	New Inboard Ditch	1,280	LF	$	$
2.4	Clean Inboard Ditch	930	LF	$	$
2.5	Road Stabilization Fabric	780	LF	$	$
2.6	Subgrade Stabilization	280	LF	$	$
2.7	Timber Headwall Protection	1	LS	$	$
2.8	Reshape Road Section	550	LF	$	$
2.9	New Reverse Grade Dip with Knock Out	9	EA	$	$
2.10	Clean Ditch Relief Culvert	3	EA	$	$
2.11	Reverse Grade Dips	55	EA	$	$

2.12	Knicks	3	LS	$	$
2.13	Remove and Dispose of Two 8 FT dia. X 14 FT Long Steel Fuel Tank; Include Foundations and Pipes	1	LS	$	$
2.14	Work Area MP202 Per Sheet C3 and C8: • 60 LF 36" Culvert • 9 CY RSP • Demolition and Disposal • Earthwork • Rock Slope Buttress	1	LS	$	$
2.15	Work Area MP 205.1 Per Sheet C3: • 40 LF 18" DRC • 20 LF Downspout • 3 CY RED	1	LS	$	$
2.16	Work Area MP 206 Per Sheet C3 and C8: • 40 LF 24" DRC • 40 LF 24" Slope Drain • 7 CY Grading • 1 Timber Headwall Protection • 7 CY RED at Inlet and Outlet	1	LS	$	$
2.17	Work Area MP 207 Per Sheet C3 and C9: • 60 LF 18" Pipe • 40 LF 18" Slope Drain • 35 CY Grading • 1 Pipe Demolition • 20 CY Rock Buttress • 130 LF Rock-Lined Shoulder • 2 Tee Fittings	1	LS	$	$
2.18	Work Area MP 210 Per Sheet C3 and C9: • 190 LF Road Construction • 95 LF Extra AB Treatment • 20 LF 18" DRC • 1 Pipe Demolition and Disposal	1	LS	$	$
2.19	Work Area WW2 Per Sheet C3: • 40 LF DRC	1	LS	$	$

2.20	Work Area WW3 Per Sheet C3: • 30 LF 24" Culvert • 30 LF 24" Slope Drain	1	LS	$	$
2.21	Work Area WW3.1 Per Sheet C3: • 30 LF 18" DRC • 30 CY Grading	1	LS	$	$
2.22	Work Area WW4 Per Sheet C3: • 40 LF 24" Culvert • 6 CY RED/RIP	1	LS	$	$
2.23	Work Area MP 216 Per Sheet C3, C11, and C12: • 40 LF 36" Culvert • 15 CY RED/RIP • 70 CY Rock Debris Buttress	1	LS	$	$
2.24	Work Area MP 216.1 Per Sheet C3: • 40 LF 18" DRC • 3 CY RED/RIP	1	LS	$	$
2.25	Work Area MP 216.2 Per Sheet C3: • 170 LF Gabion Rock-Supply and Install • 170 LF Road Shaping	1	LS	$	$
2.26	Work Area MP 217 Per Sheet C3: • 500 LF Gabion Rock-Supply and Install • 500 LF Road Shaping	1	LS	$	$
2.27	Work Area MP 217.1 Per Sheet C3: • 30 LF 18" DRC • 4 CY RED/RIP	1	LS	$	$
2.28	Work Area MP 217.2 Per Sheet C3: • 30 LF 18" DRC • 4 CY RED/RIP	1	LS	$	$
2.29	Work Area MP 219 Per Sheet C3: • 30 LF 18" DRC • 4 CY RED/RIP	1	LS	$	$
2.30	Work Area MP 221 Per Sheet C3 and C13: • 40 LF 24" STC	1	LS	$	$

	• 8 CY RED/RIP				
2.31	Work Area MP 221.1 Per Sheet C3: • 30 LF 18" DRC • 7 CY RED/RIP	1	LS	$	$
2.32	Work Area 225.1 Per Sheet C3 and C13: • 20 LF 15" DRC • 30 LF 15" Slope Drain • 1 15" Tee Fitting • 1 Timber Headwall Protection • 10 CY Grading • 1 Drop Inlet with Traffic Rated Grate • 3 Anchor Assemblies	1	LS	$	$
2.33	Work Area 265 Per Sheet C5 and C17: • 150 LF Rock-Lined IBD • 60 LF 18" DRC • 1 Demolition of Existing Culvert • 3550 SF AC Paving • 145 LF AC Dike • 40 LF 24" DRC • 1 Timber Headwall Protection • 1 Drain Rock Berm • 1 Extend KO Down Road	1	LS	$	$
	SUB TOTAL ROAD IMPROVEMENTS			$	
3	**PARKING LOT AREA IMPROVEMENTS**		Unit	Unit Price	Extension
3.0	Mobilization / Demobilization	1	LS	$	$
3.1	Site Clearing and Grubbing	1	LS	$	$
3.2	Broken Asphalt Paving Removal or Recycle on site for Class II AB	20,000	SF	$	$
3.3	Scarify and Compact Existing Gravel Road	4,400	SF	$	$
3.4	Relocate Mortar Rocks and Other Boulders	1	LS	$	$
3.5	Removal of Existing improvements (site demo)	1	LS	$	$
3.6	Earth Moving	1	LS	$	$

3.7	Import Fill	705	CY	$	$
3.8	Excavate pit and install District furnished restroom	1	LS	$	$
3.9	Pond Overflow connection and vault	1	LS	$	$
3.10	Pond Overflow 30” HDPE Pipe	170	LF	$	$
3.11	Connection from new 30” HDPE Pipe to existing 60” culvert	1	LS	$	$
3.12	Driveway Entrance – AC Conform and Baserock	1	LS	$	$
3.13	Concrete Wheelstop	51	EA	$	$
3.13	¾” Open Graded Crushed Drain Rock (6” thick)	17,500	SF	$	$
3.14	Permeable Concrete Paving (6” thick)	11,500	SF	$	$
3.15	Permeable Concrete Paving with Macrofiber (6” thick)	6,000	SF	$	$
3.16	Parking Lot Signs – includes signs, poles and installation	5	EA	$	$
3.17	Parking Lot, driveway, and Sidewalk Paint Striping	1	LS	$	$
3.18	Concrete edger (flush curb)	800	LF	$	$
3.19	Concrete Curb Ramp	1	EA	$	$
3.20	Concrete vertical curb (6”)	250	LF	$	$
3.21	Truncated Dome panels including concrete base	48	SF	$	$
3.22	Resin Paving pathway (2.5” over 6”AB)	17,000	SF	$	$
3.23	Aggregate Base Pathway (9” thick)	3,800	SF	$	$
3.24	Aggregate Base Shoulder (4” thick)	950	SF	$	$
3.25	Split rail fence (double)	105	LF	$	$
3.26	Wire Fence	650	LF	$	$
3.27	Installation of 10’ redwood log (Provided by District)	8	EA	$	$
3.28	8’ bench	3	EA	$	$
3.29	6’ bench	2	EA	$	$
3.30	Installation of District provided Signs (Entrance sign and two informational signs)	3	EA	$	$
3.31	Reinstall Salvaged Gates	2	EA	$	$
3.32	Horse Hitching Post	1	EA	$	$
3.33	Bicycle Parking Bollard	2	EA	$	$

3.34	Folding Bollard	3	EA	$	$
3.35	Boot Brush	1	EA	$	$
3.36	Step Up Stone (2’ x 2’ x 4’)	1	EA	$	$
3.37	Landscape Soil Preparation	1	LS	$	$
3.38	Street Light and Rectangular rapid flashing beacons per Pole and Equipment schedule on sheet E-2 with ped push buttons	1	LS	$	$
3.39	Bear Creek Road pavement striping and markings	1	LS	$	$
3.40	Bear Creek Road crossing signage per E-2 and SS-1	1	LS	$	$
3.41	Electrical connection and service pedestal per sheet E-2 for RRFB (includes all conduit, wires, and pull boxes)	1	LS	$	$
	SUB TOTAL PARKING LOT AREA IMPROVEMENTS			$	
4	**WEBB CREEK BRIDGE**	Quantity	Unit	Unit Price	Extension
4.0	Mobilization / Demobilization	1	LS	$	$
4.1	Site clearing and grubbing	1	LS	$	$
4.2	Demolition of Existing Bridge	1	LS	$	$
4.3	Structure Excavation and Export	60	CY	$	$
4.4	Drilled Piers	1	LS	$	$
4.5	Concrete Abutments	1	LS	$	$
4.6	Furnish and Install Steel Girder Bridge	1	LS	$	$
4.7	Roadway Excavation and Embankment	1	LS	$	$
4.8	Class II Aggregate Base for road and pullout (6” thick)	2,500	SF	$	$
	SUB TOTAL WEBB CREEK BRIDGE IMPROVEMENTS			$	
TOTAL BASE BID		$			
Deadline for Completion of the Work on site, including Demolition,		Final Completion by October 24, 2018			

Construction, Site Clean-up & Restoration.	

2. ADDITIVE ALTERNATE

In order for a Bid to be responsive, Bidder must submit an additive bid price for the Alternate listed below. **The basis of award for the contract is the Base Bid Total only.** The additive alternate listed below may or may not be awarded at the District's discretion.

Description	**Plan Detail #**	Quantity	Unit	Unit Price	Extension
Parking Lot Double Leaf Access Gate and Controller	Sheet 5.1, Detail 1 and Detail 3	1	LS		

3. UNIT PRICES

Unit Prices shall be used for adding or deleting work at the sole discretion of the District Representative, and may be exercised at any time during the execution of the Work. Unit pricing shall be utilized to complete additional grading, restoration & erosion control work.

Item No.	Description of Item	Unit	Unit Price
1	Stand Down Time – Equipment Operator*	Hour	$
2	Stand Down Time – Forman*	Hour	$
3	Stand Down Time – Laborer*	Hour	$
4	Earthwork – Grading	Hour	$
5	Tree Removal (trunk <12")	Per Tree	$
6	Tree Removal (trunk ≥12")	Per Tree	$
7	Straw Waddles / Fiber Roll	LF	$
8	Stabilized Construction Entrance / Exit	EA	$

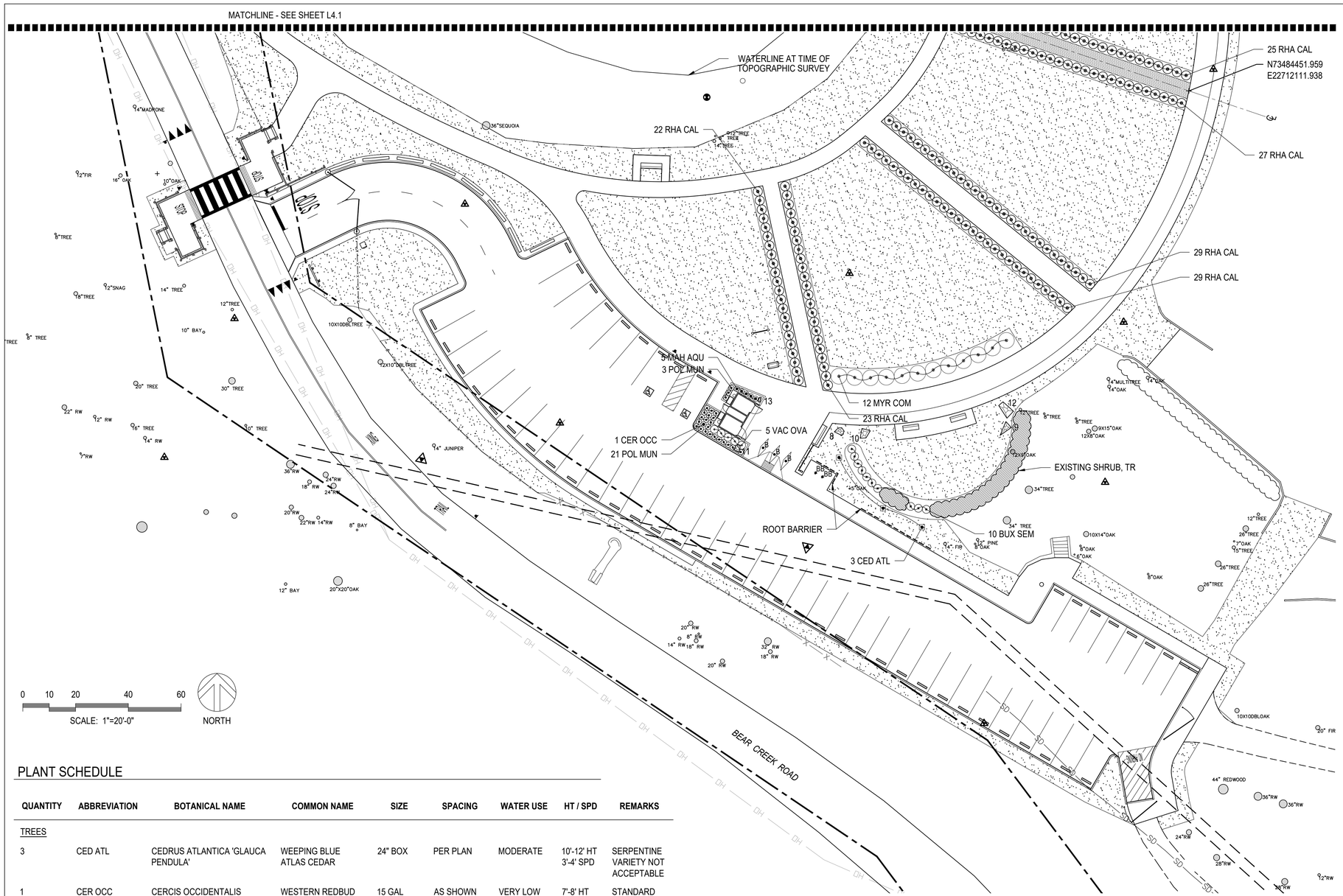
***NOTE: Stand-Down time will be documented daily on site and compiled weekly into a change order against a set aside contract allowance. District will review actual Stand-Down time and hourly rates against Contractors' certified payroll.**

4. EXPERIENCE. List three recently (within last 5 years) completed jobs of comparable scope, the contract amount, names, and telephone numbers of contract officers. Use additional sheets as necessary.

NOTE: At Least one project listed must include specialized experience working adjacent to protected habitat.

Job/Project Name_____

Owner_____Year _____ Contract Amt $_____



0 10 20 40 60

SCALE: 1"=20'-0"

NORTH

PLANTING PLAN LEGEND

TREE, 15 GAL	4 / L5.2
COAST LIVE OAK TREE, FROM ACORN	
TREE, 24 INCH BOX	4 / L5.2
EXISTING TREE TO REMAIN	
GRASSLAND TYPE A - FROM SEED SEE SCHEDULE	
GRASSLAND TYPE B - NATIVE MOW FREE BY PACIFIC COAST SEED COMPANY	
SHRUBS	5 / L5.2
ROOT BARRIER	3 / L5.2
TYP	TYPICAL
SF	SQUARE FOOT

PLANTING NOTES

1. SPECIFICATIONS: SEE PLANTING SPECIFICATIONS FOR ADDITIONAL INFORMATION.
2. TOPSOIL: ALL PLANTING AREAS SHALL RECEIVE A SIX INCH LAYER OF NATIVE TOPSOIL AMENDED PER SPECIFICATION, INCLUDING ALL AREAS TO BE SEEDED.
3. TREES: ALL TREES SHALL HAVE STRAIGHT TRUNKS OF UNIFORM TAPER, LARGER AT THE BOTTOM. TRUNKS SHALL BE FREE OF DAMAGED BARK, WITH ALL MINOR ABRASIONS AND CUTS SHOWING HEALING TISSUE. SUCKER BASAL GROWTH AND SUCKER LATERAL GROWTH SHALL BE REMOVED AND TREATED TO ELIMINATE RESPROUTING. NORMAL LOWER SIDE BRANCHING SHALL REMAIN. TREES UNABLE TO SUPPORT THEMSELVES WITHOUT STAKING SHALL BE REJECTED.
4. PROTECTION OF PLANTS: CONTRACTOR SHALL MAINTAIN ALL PLANT MATERIAL IN A HEALTHY GROWING CONDITION PRIOR TO AND DURING PLANTING OPERATIONS.
5. ROOT BARRIER: INSTALL TO DIMENSIONS SHOWN. WHERE NO DIMENSION IS SHOWN, PROVIDE 10' MIN. LENGTH CENTERED ON TREE.
6. BASINS: CONSTRUCT BASINS AS NECESSARY TO WATER PLANTS. BASINS FOR PLANTS TO BE HAND WATERED SHALL REMAIN IN PLACE. BASIN BOTTOMS SHALL DRAIN TO BERM AWAY FROM PLANT STEM.
7. MULCH: INSTALL A 3 INCH DEEP LAYER OF MULCH PER SPECIFICATIONS THROUGHOUT ALL SHRUB PLANTING AREAS; TAPER TO ADJACENT GRADE AT EDGES. SEE DETAIL 7, SHEET 5.2.
8. QUALITY: MINIMUM QUALITY OF ALL PLANT MATERIAL SHALL CONFORM TO PREVAILING PUBLISHED SPECIFICATIONS OF THE CALIFORNIA ASSOCIATION OF NURSERYMEN AND THE AMERICAN ASSOCIATION OF NURSERYMEN UNLESS OTHERWISE INDICATED. ADDITIONAL SPECIFICATIONS SHALL BE AS INDICATED ON THE DRAWINGS. ALL CONTAINER-GROWN STOCK SHALL BE GROWN IN ITS CONTAINER FOR AT LEAST SIX MONTHS PRIOR TO ITS PLANTING. CONTRACTOR SHALL ALLOW 1% OF THE QUANTITY OF PLANTS FOR REMOVAL AND INSPECTION. FOLIAGE, ROOTS, AND STEMS OF ALL PLANTS SHALL BE OF VIGOROUS HEALTH AND NORMAL HABIT OF GROWTH FOR ITS SPECIES. ALL PLANTS SHALL BE FREE OF DISEASES, INSECT STAGES, BURNS OR DISFIGURING CHARACTERISTICS.
9. QUANTITIES: THE QUANTITIES SHOWN ON THE PLANT LIST AND IN LABELS ARE FOR THE LANDSCAPE ARCHITECT'S USE AND ARE NOT TO BE CONSTRUED AS THE COMPLETE AND ACCURATE LIMITS OF THE CONTRACT. CONTRACTOR SHALL FURNISH AND INSTALL ALL PLANTS SHOWN SCHEMATICALLY ON THE DRAWINGS.
10. SOILS TESTING: SEE SPECIFICATIONS FOR REQUIRED TESTING OF TOPSOIL AND AMENDMENTS.
11. DO NOT APPLY SEEDING TO AREAS BENEATH SHRUBS.
12. ALL PLANTING AND SEEDING IS NOT IN CONTRACT AND WILL BE PROVIDED AND INSTALLED BY THE DISTRICT. CONTRACTOR SHALL PROVIDE SOIL PREPARATION AND FINE GRADING THROUGHOUT ALL PLANTING AND SEEDED AREAS. MULCH WILL BE PROVIDED AND INSTALLED BY THE DISTRICT AND IS NOT IN CONTRACT.

PLANT SCHEDULE

QUANTITY	ABBREVIATION	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	WATER USE	HT / SPD	REMARKS
TREES								
3	CED ATL	CEDRUS ATLANTICA 'GLAUCA PENDULA'	WEEPING BLUE ATLAS CEDAR	24" BOX	PER PLAN	MODERATE	10'-12' HT 3'-4' SPD	SERPENTINE VARIETY NOT ACCEPTABLE
1	CER OCC	CERCIS OCCIDENTALIS	WESTERN REDBUD	15 GAL	AS SHOWN	VERY LOW	7'-8' HT 2'-3' SPD	STANDARD
5	QUE AGR	QUERCUS AGRIFOLIA	COAST LIVE OAK	ACORN	PER PLAN	VERY LOW	-	
7	SEQ SOQ	SEQUOIA SEMPERVIRENS 'SOQUEL'	COAST REDWOOD	15 GAL	PER PLAN	LOW / MODERATE	6'-7' HT 2'-3' SPD	

QUANTITY	ABBREVIATION	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	WATER USE
SHRUBS						
10	BUX SEM	BUXUS SEMPERVIRENS 'SUFFRUTICOSA'	TRUE DWARF BOXWOOD	5 GAL	3'-0" OC	MODERATE
5	MAH AQU	MAHONIA AQUIFOLIUM 'COMPACTA'	OREGON GRAPE	1 GAL	2'-0" OC	MODERATE
12	MYR COM	MYRTUS COMMUNIS	TRUE MYRTLE	15 GAL	6'-0" OC	MODERATE
24	POL MUN	POLYSTICHUM MUNITUM	WESTERN SWORD FERN	1 GAL	2'-0" OC	MODERATE
189	RHA CAL	RHAMNUS CALIFORNICA 'EVE CASE'	COFFEE BERRY	5 GAL	3'-6" OC	LOW
5	VAC OVA	VACCINIUM OVATUM	EVERGREEN HUCKLEBERRY	1 GAL	2'-0" OC	MODERATE

1 2

PLANTING NOTE

ALL LANDSCAPING IS FOR RESTORATION PURPOSES. PLANTING WILL BE MONITORED AND MAINTAINED ACCORDING TO DISTRICT NATURAL RESOURCE MANAGEMENT PROCEDURES. NO PERMANENT IRRIGATION SYSTEM IS INCLUDED IN THIS PROJECT. PLANTS WILL BE HAND-WATERED DURING THE DRY SEASON DURING THE 3-YEAR ESTABLISHMENT PERIOD.

GRASSLAND TYPE A - SEED MIX

BOTANICAL NAME	COMMON NAME	APPLICATION RATE BROADCAST SEED PLS SEED (LBS/ACRE)
BROMUS CARINATUS	CALIFORNIA BROME	16
ELYMUS GLAUCUS	BLUE WILD RYE	16
STIPA PULCHRA	PURPLE NEEDLE GRASS	8
TOTAL LBS PER ACRE		40

2

NOTE: SEED TO BE PROVIDED BY DISTRICT AND INSTALLED BY ~~CONTRACTOR~~ DISTRICT

1

LANDSCAPE AREA

TYPE	TOTAL (SF)
GRASSLAND TYPE A	56,205
GRASSLAND TYPE B	931
SHRUBS	3,553
TOTAL SF OF LANDSCAPE AREA	60,689

Midpeninsula Regional Open Space District

Alma College Parking Area and Trailhead

Bear Creek Redwoods Open Space Preserve
Santa Clara County, CA

HARRIS DESIGN

Landscape Architecture
Park & Recreation Planning
Urban Design

755 Folger Avenue
Berkeley, CA 94710
t: 510.647.3792
f: 501.647.3712
www.hd-la.com

Issued for		Rev Date	Appr
50% CD		6/16/17	BH
90% CD		10/10/17	BH
BLDG. PMT. REV.	1	01/26/18	BH
100% CD		02/02/18	BH
ADDENDUM #1	2	03/26/18	BH

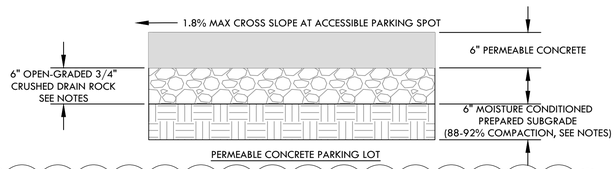
Seals and Signatures

LICENSED LANDSCAPE ARCHITECT
WILLIAM S. HARRIS #2408
08-31-18
STATE OF CALIFORNIA

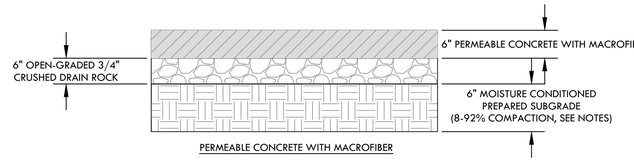
Drawn by : ZD
Checked by : BH
Drawing Title :

PLANTING PLAN

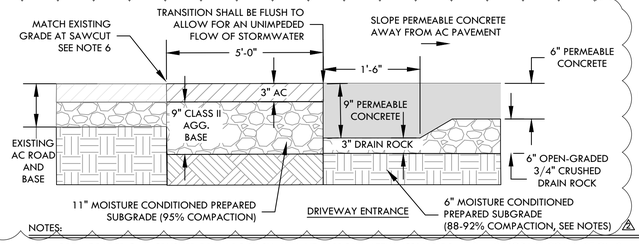
Date : 02/02/18
Scale : 1" = 20'-0"
Project Number : 16.04
Sheet Number : L4.2



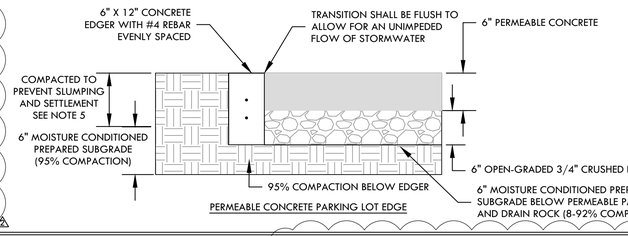
PERMEABLE CONCRETE PARKING LOT



PERMEABLE CONCRETE WITH MACROFIBER



DRIVEWAY ENTRANCE



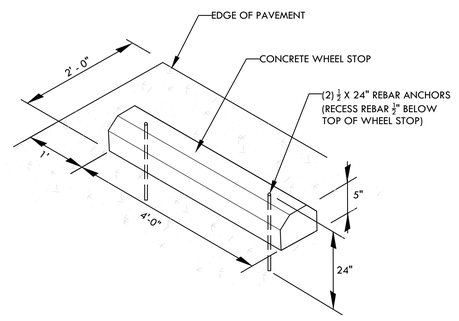
PERMEABLE CONCRETE PARKING LOT EDGE

NOTES:

1. OPEN-GRADED 3/4" CRUSHED DRAIN ROCK SHALL HAVE APPROXIMATELY 40% VOIDS TO ALLOW FOR STORMWATER INFILTRATION.
2. OPEN-GRADED CRUSHED DRAIN ROCK DOES NOT MOISTURE COMPACT. CONTRACTOR SHALL CONSOLIDATE THE DRAIN ROCK WITH A VIBRATORY COMPACTOR OR ROLLER.
3. SUBGRADE COMPACTION SHALL NOT EXCEED 92% AT 95% COMPACTION AND HIGHER, THE SOIL BECOMES IMPERMEABLE AND WILL NOT EFFECTIVELY DRAIN STORMWATER, THUS UNDERMINING THE EFFECTIVENESS OF THE PERMEABLE PAVEMENT.
4. ALL PARKING LOT PAVEMENT SHALL BE CAPABLE OF WITHSTANDING THE LOAD OF A 75,000 LB VEHICLE.
5. PERMEABLE CONCRETE PARKING LOT EDGE SHALL BE USED ALONG ALL FLUSH EDGES OF THE PARKING LOT PERIMETER EXCEPT FOR THE DRIVEWAY ENTRANCE. WHERE THE EDGE CONNECTS THE PERMEABLE PARKING LOT TO ADJACENT RESIN PAVING/AGGREGATE BASE PAVING, THE RESIN PAVING/AGGREGATE BASE PAVING SHALL CONFORM TO THE DETAIL FOR RESIN PAVING/ AGGREGATE BASE PAVING AS SHOWN IN THE LANDSCAPE PLANS.
6. CONTRACTOR SHALL SAWCUT THE EXISTING AC ROAD PER THE OWNER'S REPRESENTATIVE'S DIRECTION.

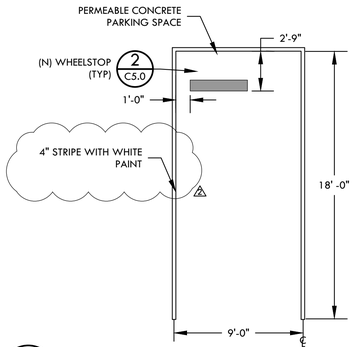
1 PAVING AND PARKING SECTIONS

SCALE: AS DIMENSIONED



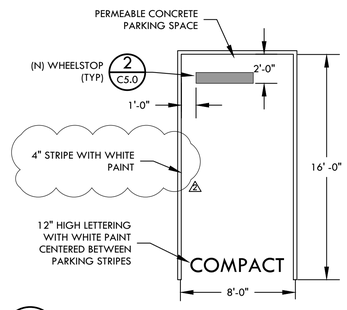
2 WHEEL STOP

SCALE: AS DIMENSIONED



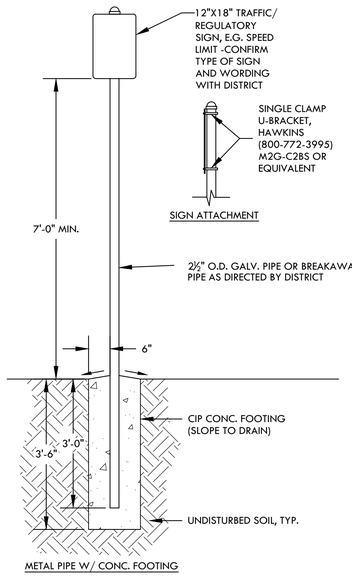
4 PARKING SPOT

SCALE: AS DIMENSIONED



6 COMPACT PARKING SPOT

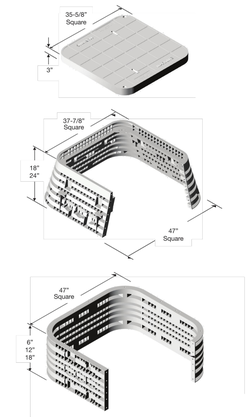
SCALE: AS DIMENSIONED



METAL PIPE W/ CONC. FOOTING

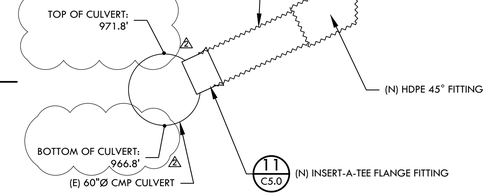
7 SIGN INSTALLATION

SCALE: AS DIMENSIONED



10 UTILITY BOX

SCALE: AS DIMENSIONED



8 POND OVERFLOW PIPE CONNECTION

SCALE: AS DIMENSIONED

A. BELL END ACCEPTS CORRUGATED HDPE/PP DUAL WALL PIPE--ADS/HANCOR INC. SPECIFICATIONS IN 4", 6", 8", 10", 12", 15", 18", 21", 24", AND 30" SIZES.

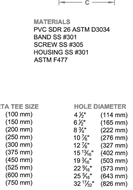
B. CURVATURE VARIES WITH MAINLINE DIAMETERS.

C. SPIGOT END PVC SDR 35, ASTM D3034 DIAMETERS: 4", 6", 8", 10", 12", 15", 18", 21", 24" AND 30"

PART	PART NAME	MATERIALS
1	HUB ADAPTOR	PVC SDR 26 ASTM D3034
2	SECURING CLAMP*	BAND SS #301 SCREW SS #305 HOUSING SS #301
3	RUBBER SLEEVE (AVAILABLE IN NITRILE AND EPDM BY SPECIAL ORDER)	ASTM F477
3A	UPPER SEGMENT**	
3B	LOWER SEGMENT***	
4	(NOT SHOWN) ADSHANCOR INC. SUPPLIES VALLEY GASKET	

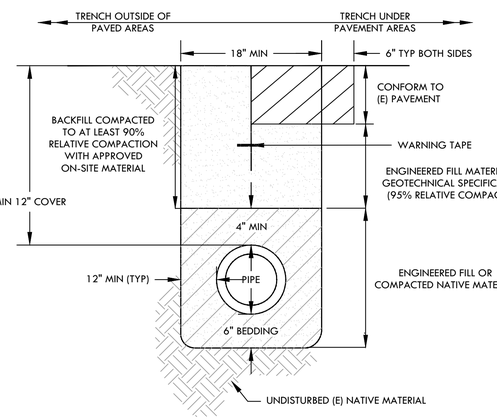
* OPTIONAL: #316 STAINLESS STEEL BAND, SCREW AND HOUSING
** DISTANCE BETWEEN 3A AND 4B WILL VARY BY PRODUCT TYPE
*** WILL NOT APPEAR ON RUBBER SLEEVES FOR CONCRETE OR CLAY PIPE

INSERTA TEE SIZE		HOLE DIAMETER	
4"	(100 mm)	4 ½"	(114 mm)
6"	(150 mm)	6 ½"	(165 mm)
8"	(200 mm)	8 ¾"	(222 mm)
10"	(250 mm)	10 ⅞"	(276 mm)
12"	(300 mm)	12 ⅞"	(327 mm)
15"	(375 mm)	15 ⅞"	(402 mm)
18"	(450 mm)	19 ¾"	(503 mm)
21"	(525 mm)	22 ⅝"	(573 mm)
24"	(600 mm)	25 ⅜"	(643 mm)
30"	(750 mm)	32 ⅝"	(826 mm)



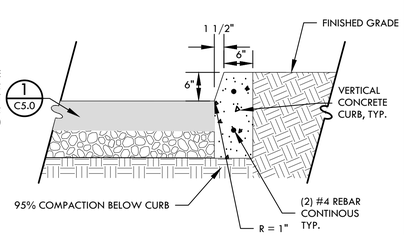
11 INSERT-A-TEE FLANGE FITTING

SCALE: AS DIMENSIONED



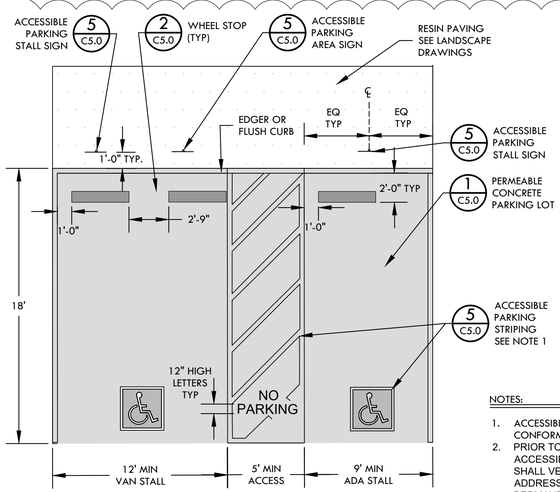
9 TYPICAL TRENCH DETAIL

SCALE: AS DIMENSIONED



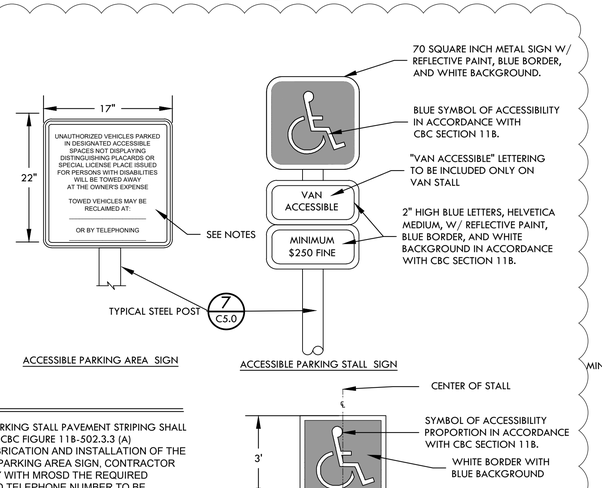
12 VERTICAL CURB DETAIL

SCALE: AS DIMENSIONED



3 ACCESSIBLE PARKING STALLS

SCALE: AS DIMENSIONED



ACCESSIBLE PARKING STRIPING

NOTES:

1. ACCESSIBLE PARKING STALL PAVEMENT STRIPING SHALL CONFORM TO CBC FIGURE 11B-502.3.3 (A)
2. PRIOR TO FABRICATION AND INSTALLATION OF THE ACCESSIBLE PARKING AREA SIGN, CONTRACTOR SHALL VERIFY WITH MROSD THE REQUIRED ADDRESS AND TELEPHONE NUMBER TO BE PERMANENTLY PLACED ON THE SIGN AND SHALL PROVIDE A SIGN WITH THOSE NUMBERS.
3. ACCESSIBLE PARKING AREA SIGN LETTERING SHALL BE 1" HIGH WHITE LETTER HELVETICA NARROW STYLE . LETTERING AND SIGN SHALL CONFORM TO CBC SECTION 11B-502.8.

5 ACCESSIBLE PARKING SIGN AND STRIPING

SCALE: AS DIMENSIONED

Midpeninsula Regional Open Space District

Alma College Parking Area and Trailhead

Bear Creek Redwoods Open Space Preserve
Santa Clara County, CA

HARRIS DESIGN

Landscape Architecture
Park & Recreation Planning
Urban Design

755 Folger Avenue
Berkeley, CA 94710
t: 510.647.3792
f: 501.647.3712
www.hd-la.com

Issued for	Rev	Date	Appr
50% SUBMITTAL		06/16/2017	
90% SUBMITTAL		10/10/2017	
100% SUBMITTAL		02/06/2018	
ADDENDUM #1	1	03/26/2018	

Seals and Signatures

REGISTERED PROFESSIONAL ENGINEER — ROBYN L. COOPER — NO. 73041 EXP. 12/31/18 — CIVIL — STATE OF CALIFORNIA

FALL CREEK ENGINEERING, INC.

1525 SEABRIGHT AVE
SANTA CRUZ, CA
95062

(831) 426-9054

Drawn by : ARS
Checked by : RLC
Drawing Title :

CIVIL DETAILS- PARKING LOT DETAILS

Date : 2/6/18
Scale : AS SHOWN
Project Number : 16.04
Sheet Number : C5.0

SECTION 32 17 26
DETECTABLE WARNING SURFACE

PART 1 - GENERAL

1.01 DESCRIPTION

A. Section includes specifications for detectable warning tactile panels for installation at the following locations: the pedestrian crossing of Bear Creek Road, and the curb ramp near the restroom.

B. The tactile panels (panels) shall be surface installed for installation only on concrete surface.

1.02 REFERENCE STANDARDS

A. ADA (Americans with Disability Act) Standards for Accessible Design, current edition.

B. Caltrans Standard Drawings

1.03 SUBMITTALS

A. Shop Drawings: showing fabrication details; panel surface profile; fastener locations; plans of panel placement including joints, and material to be used as well as outlining installation materials and procedure. Include procedures for containment and disposal of milling and sawcutting waste water.

B. Product Data: manufacturer's literature describing products and installation procedures. Include product data for adhesives and sealants.

C. Samples:

1. Samples of panels measuring at least 12 inches x 12 inches. Panel sampled shall include longitudinal edge with integral flange and transverse ship-lap edges.

2. Samples of panels and sealant for verification of color match.

D. Maintenance Instructions: manufacturer's specified maintenance practices for each type of panel and accessory as required.

E. Quality Assurance Submittals:

1. Material Test Reports: test reports from qualified independent testing laboratory indicating that materials proposed for use are in compliance with requirements and meet the properties specified in this Section. Tests which indicate performance for the panels shall have been performed within three (3) years of the

Invitation to Bid.

2. Submit list of projects in California that successfully demonstrate the proposed products' durability and weatherability.

F. Warranty: Submit a five-year manufacturer's replacement warranty for the prefabricated detectable warning surface, including panels, hardware, sealant, adhesive, and all other components.

1.04 QUALITY ASSURANCE

A. Panels and accessories, including panel adhesive, fasteners, and sealants, shall be from a single source. Products shall have been in successful service for a period of five (5) years.

B. Installer's Qualifications: Engage an experienced Installer certified in writing by panel manufacturer as qualified for installation, who has successfully completed panel installations similar in material, design, and extent to that indicated for Project. Only persons who are thoroughly trained and experience in the installation of the panels shall perform the work.

1.05 DELIVERY, STORAGE AND HANDLING

A. Panel type shall be identified by part number on packages.

1.06 SITE CONDITIONS

A. Environmental Conditions and Protection: Perform field work only when environmental conditions fall within those recommended by manufacturers of the products.

1.07 WARRANTY

A. Panels shall be covered by a written warranty for a period of five (5) years from date of final completion. The warranty includes defective work, breakage, deformation, delamination, fading and chalking of finishes, and loosening of panels. Warranty shall include furnishing new materials, removal of existing panels, and installation of new panels.

1.08 EXTRA STOCK

A. Furnish four (4) additional panels of each type of installed panels and corresponding fasteners. Deliver extra stock to location (within 30 mile radius of work site) designated by the Engineer. Furnish extra stock materials from same manufactured lot as materials installed and enclose in protective packaging with appropriate identification.

PART 2 - PRODUCTS

2.01 PANELS

A. Manufacturers: Subject to conformance with the requirements of this Section, use products fabricated by the following manufacturers may be acceptable, or other Engineer-approved equal:

1. ADA Solutions, Inc.

2. Transit-Tile

3. Armor-Tile by Engineered Plastics, Inc.

B. Panels shall be homogenous glass and carbon reinforced composite or an epoxy polymer composition which is color and UV stable. Color shall be Federal Safety Yellow (FS 33538) and homogenous throughout the panel thickness.

C. Truncated Dome Geometry:

1. Truncated dome surface shall comply with ADA and ABA guidelines, 705, Detectable Warnings. (Title 49 CFR Transportation, Part 37.9 Standards for Accessible Transportation Facilities, Appendix A, Section 4.29.2 – Detectable Warnings on Walking Surfaces).

2. Truncated Dome Description:

a. In-Line Patterns (nominal dimensions): The truncated dome shall measure 0.45-inch diameter at the top of the dome, 0.90-inch diameter at the base of the dome, 0.20-inch-high, and 2.35 inch on center (in-line pattern).

3. Truncated dome pattern shall align properly from Panel to Panel and shall be “in-line”.

D. Panel Configuration:

1. Panel thickness: 3/8 inches minimum, solid thickness for all type of panels.

2. Butt Joint, Staggered Truncated Domes:

a. Nominal 36 inches × 48 inches (or longer) with a 7/16-inch thick deep flange along both long sides. The perimeter of the standard panel features a chamfer (no 90-degree return).

3. The panel shall feature a butt joint detail from tactile warning panel to panel. Alternatively, a ship lap detail may also be

furnished.

E. Fastener Holes in the Panel:

1. Holes for fasteners shall be formed in the factory. The holes shall be located only at the centers of the truncated domes.

F. Performance characteristics: Panels shall meet the following standards.

Property	ASTM Test Method	Nominal Value
Accelerated Weathering (2,000 hours)	G155	Delta E: 5.0 max
Chemical Resistance	D1308	No Stain or Discoloration
Flexural Strength	D790	25,000psi min
Compressive Strength	D695	20,000psi min
Tensile Strength	D638	10,000psi min
Gardner Impact Test	D5420	110 in-lb min
Flame Spread	E84	FSI: 25 max SDI: 150 max
Slip Resistance	C1028	Friction Coeff: 0.80 min
Wear Resistance	C501	500 min
Water Absorption (2 weeks)	D570	0.20% max
Salt Spray (120 hours)	B117	No Change

2.02 ACCESSORIES

A. Fasteners for Concrete: Color matched nylon expansion sleeves with 1/4 inch diameter by 1-1/2 inches long stainless steel drive pins or as recommended by panel manufacturer for specific job conditions and accepted by the Engineer.

B. Adhesive: Type approved by the panel manufacturer.

C. Sealant: Urethane sealant of type approved by the panel manufacturer. Color to match panel color.

2.03 CONCRETE

A. Concrete for concrete base shall conform to the requirements for Minor Concrete per Caltrans specifications.

PART 3 - EXECUTION

3.01 CONCETE BASE

A. Panels shall be installed on top of concrete base. Two conditions exist. At the pedestrian crossing of Bear Creek road, concrete base shall be

six inches thick over six inches of Class 2 Aggregate Base compacted to 95% over Subgrade compacted to 95%. Concrete Base shall have #4 reinforcing bars at nine inches on-center, each way. At curb ramp in the parking lot, panels shall be installed on concrete slab which is part of the curb ramp.

B. Contractor shall obtain Owner's Representative approval of concrete surface prior to panel installation.

3.02 INSTALLATION

A. Apply adhesives, sealants and mechanical fasteners in accordance with the guidelines provided by their respective manufacturers.

B. Utilize manufacturer-provided template to lay out area to receive panels.

C. Form recess for panels by either milling with diamond blade head or casting recess in place (at new paving) so that installed panel will sit flush relative to adjacent surface. Grind or form to the depth and width required by the approved shop drawings and manufacturer's instructions. Finish cast-in-place recess with equivalent of a light broom finish. When milled, substrate shall have a light ribbed finish.

D. Contain and remove slurry resulting from concrete milling and sawcutting. Do not wash slurry into track bed area. Slurry contaminates and stains track structure and impedes drainage.

E. For Panels with Recessed Flanges:

1. Utilize diamond bladed double headed wet saw to achieve parallel grooves to receive panels. Both sawcuts shall be made simultaneously from the same machine. Sawcut parallel to platform edge.

2. After sawcutting, vacuum and power wash surface with clean clear water, free from all dirt and debris. Visually inspect surface for obtrusions or foreign matter. If obtrusions are present, remove by grinding. Remove foreign matter by grinding or further washing, as appropriate.

F. Immediately prior to application of the setting adhesive, inspect surfaces to receive panel to ensure that they are clean, dry, free of voids, curing compounds, projections, loose material, dust, oils, grease, sealers, and other contaminants. Verify that surfaces are structurally sound and that concrete has cured a minimum of 30 days. Obtain panel manufacturer's representative's and Engineer's approval of surface preparation before installing panels.

G. Air entrapment: Apply generous amount of adhesives to

eliminate air entrapment between the panels and the concrete surfaces.

H. Set panels and install fasteners in accordance with panel manufacturer's instructions and as follows:

1. Wherever possible, install full size (uncut) panels. Do not install panel sections measuring less than 24 inches in length. Only cut panels where absolutely necessary.

2. Maintain gap between panels for expansion and contraction in accordance with manufacturer's instructions.

3. Cutting through panel domes shall be kept to a minimum. Where less than half of the truncated dome remains, grind off balance of dome; where over half of the truncated dome remains, feather dome so as not to present a tripping hazard.

I. Install sealant in accordance with manufacturer recommendations.

3.02 CLEANING AND PROTECTING

A. After the area has been fully tiled and sealant system applied, clean panel surface, following the manufacturer recommended maintenance and cleaning procedures.

B. Protect sealant and panels against damage during construction period. Comply with panel and sealant manufacturers' recommendations.

C. Protect panels against damage from rolling loads following installation by covering with plywood or hardwood.

D. Clean panel by method specified by the manufacturer.

END OF SECTION