

DOCUMENT 00 9113

**ADDENDUM NO. 2
12/2/25**

SPECIFICATION NO. 26-11756-C

CITY OF BERKELEY

**SANTA FE TRACKBED TO PARK CONVERSION
REMEDICATION, DEMOLITION AND PERIMETER FENCING**

**0 Parker St., 0 Carleton St., 0 Derby St., 0 Ward St.
BERKELEY, CA 94702**

The following clarifications are hereby made to the subject documents:

Additional References

1. The following references are available for download [here](#).
 - a. EBMUD block maps
 - b. Arborist Report
 - c. Final Additional Soil Investigation Report
 - d. Spoils Analytical Results

Project Plans

1. Replace the following sheets with the updated sheets:
 - a. G2.01 Demolition Plan – Blake to Parker – Added demolition notes
 - b. G2.02 Demolition Plan – Parker to Carleton – Added demolition note
 - c. G2.03 Demolition Plan – Carleton to Derby – Added demolition notes
 - d. G2.04 Demolition Plan – Derby to Ward – Added demolition note
 - e. L1.02 Materials Plan – Parker to Carleton – Revised grades and adjusted gate location along Acton Street.
 - f. L4.01 Details – Wood Fence – Revised detail notes and footing dimensions.
 - g. L4.02 Details – Chain Link Fence and Gates – Revisions to details.

Project Manual

1. Replace the following language:
 - a. Document 00 1113 Notice Inviting Bids, 1.01, replace:

“Notice Inviting Bids: City of Berkeley (“City”) will receive sealed Bids at City of Berkeley, Purchasing Manager’s Office, located at the Martin Luther King Jr. Civic Center, 2180 Milvia Street, Third Floor, Berkeley, CA 94704, Telephone (510) 981-7320, until **2pm, Thursday, December 4, 2025** for the following public work:

SPECIFICATION NO. 26-11756-C

CITY OF BERKELEY

**Santa Fe Trackbed to Park Conversion
Remediation, Demolition and Perimeter Fencing
0 Parker St., 0 Carleton St., 0 Derby St., 0 Ward St.**

With

“Notice Inviting Bids: City of Berkeley (“City”) will receive sealed Bids at City of Berkeley, Purchasing Manager’s Office, located at the Martin Luther King Jr. Civic Center, 2180 Milvia Street, Third Floor, Berkeley, CA 94704, Telephone (510) 981-7320, until **2pm, Thursday, December 18, 2025** for the following public work:

SPECIFICATION NO. 26-11756-C
CITY OF BERKELEY
Santa Fe Trackbed to Park Conversion
Remediation, Demolition and Perimeter Fencing
0 Parker St., 0 Carleton St., 0 Derby St., 0 Ward St.

- b. Document 00 1113 Notice Inviting Bids, 1.02, replace:

“Project Description: Removal of contaminated soil left behind by the site’s historic railroad use, demolition of existing encroaching structures, demolition and clearing of the site, import and installation of clean soil fill, construction of new fences along the property lines, including ancillary work in accordance with the terms and conditions of the Contract Documents. Work shall be completed within **140 Calendar Days** from the date when Contract Time commences to run.”

With

“Project Description: Removal of contaminated soil left behind by the site’s historic railroad use, demolition of existing encroaching structures, demolition and clearing of the site, import and installation of clean soil fill, construction of new fences along the property lines, including ancillary work in accordance with the terms and conditions of the Contract Documents. Work shall be completed within **112 Calendar Days** from the date when Contract Time commences to run.”

- c. Document 00 5200 Agreement, 2.02, replace:

- A. Contractor shall achieve Substantial Completion of the entire Work within **140 calendar days** from the Commencement Date.
- B. Contractor shall achieve Final Completion of the entire Work **154 calendar days** from the Commencement Date.

With

- A. Contractor shall achieve Substantial Completion of the entire Work within **112 calendar days** from the Commencement Date.
- B. Contractor shall achieve Final Completion of the entire Work **126 calendar days** from the Commencement Date.

- d. Document 01 5200 Temporary Facilities, 1.03G, replace:
“Contractor shall maintain an office at the Project site that will be his headquarters for the Project. Any communications delivered to this office shall be considered as delivered to Contractor. Location and size of office shall be such that it will adequately serve the needs of Contractor's superintendent and assistants in the performance of their duties.”

With

“If needed, contractor shall maintain an office at the Project site that will be his headquarters for the Project. Any communications delivered to this office shall be considered as delivered to Contractor. Location and size of office shall be such that it will adequately serve the needs of Contractor's superintendent and assistants in the performance of their duties.”

- e. Document 01 5200 Temporary Facilities, 1.03I, replace:
“Contractor shall safe-off building prior to demolition”

With

“Contractor shall safe-off building or site prior to demolition”

- f. Document 01 5700 Temporary Controls, 1.05D, replace:
“Exterior construction work is limited to the hours of 8 AM to 5 PM”

With

“Exterior construction work is limited to the hours of 7 AM to 5 PM.”

2. Add the following language:

- a. Document 00 5500 Notice to Proceed, add:
“11. Waste Disposal Facility and Waste Characterization Requirements”

- b. Document 01 4500 Testing and Inspection, 1.08E, add:

| | | |
|-----------------------|-------------------------------|--------------|
| “Final Removal Action | Soil sampling and analysis at | Paid by City |
| Workplan | cells P3-B7 and P3-B8 | |

| | | |
|------------------|----------------|--------------|
| Community Air | Air Monitoring | Paid by City |
| Monitoring Plan” | | |

3. Replace the following documents:
 - a. Document 00 4113 Bid Form
 - i. Added Bid Item 2.04 Removal of spoils containers stored at Parcel 1 (non-hazardous)
 - ii. Revised quantities for excavated soil, transport, and import soil.
 - iii. Added Allowance Bid Item 5.01 Waste Pre-characterization Sampling
 - b. Document 01 1100 Summary of Work
 - i. Added description for Bid Item 2.04 Removal of spoils containers (non-hazardous)
 - ii. Revised description for Bid Item 3.02 Excavate Soil
 - iii. Revised description for Bid Item 3.03 Load and Transfer Soil for Offsite Disposal (non-RCRA California Hazardous)
 - iv. Revised description for Bid Item 4.01 Import and Place Soil, Soil Compaction
 - v. Added Allowance for Waste Pre-characterization
 - c. Document 02 4119 Demolition
 - i. Added references, definitions, and missing sections
 - d. Document 31 2000 Earthwork
 - i. Corrected geotechnical report reference
 - ii. Included previously missing shoring information
 - e. Appendix D: Tentative Schedule
 - i. Revised tentative schedule

Questions and Responses:

1. Can the deadline for bidder questions be extended?
Response No.
2. When will the site be made available for independent inspection outside the scheduled pre-bid walkthrough?
Response The sites were made available at the non-mandatory pre-bid walkthrough that was held on November 13, 2025. It was highly recommended that potential bidders visit the site. Though the location of most of the work areas are fenced, much of the site is visible to view on your own through the existing fencing at the street frontages at Blake Street, Acton Street, Parker Street, Carleton Street, Derby Street, and Ward Street. Those who didn't attend the non-mandatory pre-bid visit, and don't feel that the bidding documents and Q&A provide sufficient information to bid, bid at their own risk or shouldn't bid on the project.
3. Will the City of Berkeley accept an alternative method of financial statement review – specifically, a secure, shared-screen session for review of our most recent audited financial statements – in lieu of submitting hard or electronic copies?
Response Per Section 00 4513, 2.03, audited or reviewed financial statements may be required after bid opening. If the City requests these documents, they will work with the bidder on a secure way of handling these documents.
4. Do we need Course of Construction insurance?
Response Awarded bidder will be required to secure the insurance requirements outlined in Document 00 7316 Supplementary Conditions – Insurance and Indemnification.

5. Will the City allow substitution requests after contract award as referenced in Document 00 6325, and how strict is the review process?

Response Substitution requests may be submitted after contract award. City may or may not grant substitution requests so bid must be submitted on specified materials. The City has granted substitutions in the past for materials that were not available during the contract time, which is typically common for plants.

6. Are there mandatory workforce requirements under the Community Workforce Agreement that affect scheduling or labor availability?

Response Part of the CWA requires contractors to request apprentices and local hires. In the event these requests are unable to be filled within a 72-hour period after the requisition is made, the Contractor shall be free to obtain employees from any source. The union will provide a written response so the contractor can show that they made a good faith effort to comply with the CWA's apprentice and local hire requirement, even if none are referred. Refer to Article 8 Referral and Local Hire Program of the Community Workforce Agreement in Appendix A of the Project Manual for more on these requirements.

In addition, all contractors and subcontractors on all tiers are required to attend a pre-job meeting with the Building Trades Council of Alameda (BTCA) prior to performing any work onsite. The City will request the GC to provide the following information for all subcontractors on all tiers so the City can request a pre-job meeting.

Name of Company:
Company Address:
CSLB #:
Contact Person:
Phone number & Email:
Scope of work:
Sub to:
Estimated Start Date:
Estimated Completion Date/Duration:

Currently, BTCA is scheduling pre-job meetings within 2-3 weeks of the City's request. BTCA only provides one date and time. To complete this requirement, contractors and subcontractors on all tiers should make themselves available for the date and time provided. Meeting is typically on Zoom and can be quick if all contractors and subcontractors are on time and prepared to answer the following questions.

- Name and contact information of contractor/subcontractor and person representing the contractor/subcontractor.
- Scope of the work for contractor/subcontractor
- Estimated Start date for contractor/subcontractor
- Estimated length of time on the project for the contractor/subcontractor.
- Craft assigned for the work (hint: which union, ex: Laborers, Masons, etc.)
- How many of each craft during the peak of work?
- Teamsters usually ask all subcontractors about trucking.

7. What is the expected review time for submittals, especially for SWPPP, shoring plans, and safety plans?

Response Contractor can expect submittals requiring Owner and consultant team review to be returned within two weeks, or sooner.

DTSC's standard review time is 30 days. The City is currently requesting any possible expedition but cannot guarantee any. Both the shoring plan and import fill product data will require DTSC review and approval.

The City anticipates the shoring plan will be part of the critical path as it requires both DTSC review and approval, and a City Building Permit. As such, the City will be requesting the awarded contractor to prioritize this submittal. The City Building permit review turnaround is currently 2-3 weeks, depending on the type of shoring the contractor submits. The contractor should anticipate at least one round of comments.

8. Are there thresholds for dust, noise, or emissions that exceed standard SWPPP and dust control requirements?

Response Dust control will be handled under the Community Air Monitoring Plan (CAMP), which is included as Section 5.3.5 of the Final Removal Action Workplan (FRAW). A CAMP is required at response sites under DTSC's oversight whenever remediation or removal activities may release compounds of concern (COCs) into the air. The CAMP describes air monitoring protocols that must be performed during soil activities when fugitive emissions could be released and discusses dust action levels.

Noise requirements are specified in Section 01 5700, 1.05.

Stormwater is anticipated to be handled under a Construction General Permit (CGP) for stormwater runoff. There are no non-standard requirements related to stormwater.

9. Ref: SECTION 01 5700 - TEMPORARY CONTROLS – 1.05 NOISE CONTROL – ITEM D.
Exterior construction work is limited to the hours of 8 AM to 5 PM.

Question: This conflicts with other sections within the bidding documents, please clarify the allowed working hours on the site.

Response Working hours are 7am – 5pm on weekdays, with noise generating work limited to start at 7:30am. Weekend work is subject to review and approval.

10. Will work hour restrictions apply due to residential adjacency?

Response See response to question 9.

11. Ref: SECTION 01 5200 - TEMPORARY FACILITIES 1.03-G

Contractor shall maintain an office at the Project site that will be his headquarters for the Project. Any communications delivered to this office shall be considered as delivered to Contractor.

Location and size of office shall be such that it will adequately serve the needs of Contractor's superintendent and assistants in the performance of their duties.

Does the City have a planned or designated area for the required "office"?

Response A physical office is optional. Should the contractor need an office onsite, its requested location shall be noted on the Staging Plan for review and approval prior to mobilization.

12. Does the City anticipate overlapping work by other contractors or departments (e.g., future park construction)?
Response Currently, City anticipates constructing the park after the completion of this contract.
13. Can the Contractor anticipate any utility company coordination delays?
Response Delays due to utility company coordination are not anticipated.
14. Have utilities servicing items designated for demolition or removal been de-energized/cut/capped and decommissioned?
Response Contractor shall safe-off the site prior to demolition per Document 01 5200.
15. Do the existing utility poles need to be removed?
Response Yes, everything onsite needs to be removed. Please refer to the Demo Plan sheets. Existing utility poles are no longer in use and are noted as existing wood poles in the plans.
16. Are there existing utilities, abandoned rail components, or undocumented underground obstructions that bidders must assume responsibility for?
Response City has provided existing condition information to the best of their knowledge. The topographical survey provided in the plans includes subsurface utility surveying. See response to question 17.
17. Are there any subsurface RR Ties or legacy railroad debris/track construction/ballast materials the contractor should plan to encounter and remove?
Response Railroad track removal was completed in the early 80s. City has provided existing condition information to the best of their knowledge. See response to question 16.
18. Are the “encroachments” at 1410 Parker fully documented (structures, foundations, utilities, fences)?
Response All encroachments at 1410 Parker are noted in the plans. Bidders shall refer to the report in Appendix B for additional information. Bidders shall assume the detached garage and shed are on a 6-inch concrete slab on grade, and the driveway is 6-inch PCC over 6-inch AB.
19. How should bidders address unknown footings, debris, or buried materials?
Response See response to question 18 for assumptions on 1410 Parker encroachments. For everything onsite, bidders shall refer to the contract documents and visit the site to make reasonable assumptions for all items noted to be demolished. Bidders shall assume minimal to no buried materials. Any changes from the bid documents will be handled through the change order process outlined in Document 01 2600 Modification Procedures.
20. Is the contractor responsible for removing the containers of soil sampling spoils currently stored on Parcel 1?
Response Yes, Contractor shall include disposal of the spoils containers at Parcel 1 as bid item 2.04 on the revised Bid Form included in this addendum. There are 6 drums of soil cuttings and 1 drum of decontamination water that were generated during the soil investigation activities conducted at the Site. In April 2024 one six-point composite soil sample comprised of soil from each of the drums was collected and one water sample from the decontamination water drum was collected to characterize the waste. Analytical results confirmed waste to be non-hazardous and are available for download [here](#). (See document file named “Spoils Analytical Results”.)

21. Which trees are to be removed vs. protected? Can bidders visit the full fence line to verify wood-fence interface conditions?
Response Refer to the Demolition Plans. All trees within the property lines shall be removed. All street trees and neighboring trees outside of the property line shall remain and be protected during construction. Bidders had the opportunity to visit the full fence line at the non-mandatory pre-bid site visit.
22. Has there been an arborist report completed? If so, can the report be furnished?
Response Arborist Report is available for review and download [here](#).
23. 01 1100-2 states a bird nesting survey is required. Is this the case?
Response Contractor shall be responsible for conducting a visual survey of the site prior to demolition, which includes visually observing existing trees for any nests prior to demolition.
24. Ref: 1.03 BID ITEMS, ALLOWANCES AND ALTERNATES
Contractor is to include the nesting bird survey as part of the mobilization SOW. Question: Please clarify that the “nesting bird survey” is to be completed by the City of Berkeley (or) Contractor
Response See response to question 23.
25. Please confirm an engineered stamped Traffic Control Plan is not necessary.
Response Confirmed. Traffic Control Plan is required and subject to review and approval prior to mobilization. The plan must meet MUTCD standards but doesn't need to be engineer-stamped.
26. Please confirm the City will remove cars parked at gate entrances before and throughout construction.
Response Contractor is responsible for implementing the approved Traffic Control Plan. If “No Parking” areas are requested and approved, the contractor is responsible for installing City provided “No Parking” signs and maintaining its signage. If cars are within the No Parking zone, City requests the Contractor to try and find its owner to get the car relocated. If the car owner cannot be found, the Contractor shall call 510-981-5890 for cars parked in the No Parking zone to be towed.
27. Can the contractor stage trucks on the street to off haul soil?
Response Traffic Control and Staging Plan is subject to review and approval by the City's Transportation Department.
28. Has the City considered truck access points to the Site for soil export and import?
Response See Figure 9a Primary Truck Route and 9b Alternate Truck Route of the Final Removal Action Workplan.
29. Are there any restrictions on equipment type/size due to narrow corridors or residential adjacency?
Response Refer to the [City's Heavy Truck Restrictions](#) and the designated truck route map available on the linked website for street restrictions. Restrictions are also highlighted in Figures 9a and 9b of the Final Removal Action Workplan. Contractor is responsible for obtaining oversized load permits, if required.
30. Can more than one parcel be excavated and backfilled simultaneously?
Response Yes, if traffic is properly managed. Contractor is responsible for submitting a Traffic Control and Staging Plan for review and approval prior to mobilization.

31. Can more than one grid be excavated simultaneously?
Response Yes.
32. Is the contractor to include within Bid Item 3.03 the CDTFA State of California Generation and Handling (G&H) fees?
Response No. Bidders shall assume all waste is non-RCRA CA hazardous waste. Only hazardous waste is subject to the CDTFA State of California Generation and Handling (G&H) fees.
33. 01 1100-2 item 3.05 is unclear to me. Is the plan to contain the water, vacuum in a tank and transport it as hazardous waste?
Response Water used to clean off contaminated soil must be contained and disposed of properly since it typically contains trace amounts of contaminated soil in it. Contractor shall be responsible for testing and properly disposing any water collected. It's assumed this water will be classified as non-hazardous waste.
34. Will the City provide water or is the contractor responsible for bringing in supply for decon?
Response Contractor is responsible for supplying water per Document 01 5700, 1.04C. Should the contractor wish to utilize nearby fire hydrants, the contractor shall coordinate with EBMUD. EBMUD distribution maps are available for reference and can be downloaded [here](#).
35. Can the unit of measurement for Bid Items 3.02, 3.03, and 4.01 be changed from BCY to tons?
Response Bid Items 3.02, 3.02, and 4.01 have been updated by assuming 1.4 cubic yards per ton. Please make sure to use the revised Bid Form included in this bid addendum.
36. Will the City provide any additional hazardous materials surveys beyond the documents included?
Response The September 9, 2024 Final Additional Soil Investigation Report is available for review and download [here](#). This document includes the results of leachate testing that has been conducted on select samples. No other documents will be provided.
37. Has there been any STLC/TCLP analysis been run on the 10x or 20x TTLC results for the metals of concern? Has there been any PCB analysis run? If available can these results be furnished as part of the RFP bidding documents?
Response STCL and/or TCLP analyses have been run for arsenic, lead, and mercury on select samples. These analytical results are presented in the September 9, 2024 Final Additional Soil Investigation Report available for review and download [here](#).

Soil samples weren't analyzed for PCBs since PCBs aren't typically associated with the historical railroad usage and no potential PCB sources were found during site reconnaissance.
38. Will the City be conducting any soil testing prior to the start of this project?
Response The City has conducted soil sampling per the Final Additional Soil Investigation Report provided [here](#). No further soil testing for excavation delineation will be conducted prior to the start of this project. Soil will be excavated in each cell to a depth corresponding to the shallowest sample within the cell where contaminants of potential concern (COPC) concentrations are below cleanup goals based on the investigation conducted to date. The City can conduct soil sampling and analysis to pre-characterize the waste for disposal if the Contractor determines the existing data is insufficient for this purpose. See response to question 40.

39. Must all soil be disposed of as non-RCRA California hazardous, or are there volume-based or concentration-based exceptions?

Response Elevated levels of arsenic, lead, mercury, and PAHs have been detected in Site soil. Based on the available data, the excavated soil is anticipated to be categorized as RCRA hazardous waste, non-RCRA California hazardous waste, and/or non-hazardous waste. Soil sampling results for each cell are presented for the COPCs in Tables 1 through 5 of the Final Removal Action Workplan. For this bid, contractors shall assume all soil will be classified as non-RCRA California hazardous waste. See response to question 40.

40. Is the contaminated soil classification final, or could additional characterization change disposal requirements?

Response Once a contractor has been selected, the City will work with them to determine waste profiling requirements. If the existing data isn't sufficient for profiling purposes, the City will request pricing from the contractor to perform waste pre-characterization per Bid Allowance Item 5.01 on the revised Bid Form document included in this addendum and determine whether the City will have the contractor perform this requirement or perform this requirement themselves. Additional characterization may change disposal requirements.

41. Section 5.3.1 (Soil Excavation) of the Final Removal Action Work Plan states "If the existing data is not sufficient for profiling purposes, a soil boring program will be conducted to collect additional soil samples at the Site. The City will work with the contractor and selected landfill to determine the required analyses and sample frequency required for waste profiling." Who will be responsible for these costs?

Response See response to question 40.

42. What verification sampling is required after excavation? Who pays for re-excavation if limits fail?

Response Verification sampling isn't required after excavation, except for bottom samples in cells P3-B7 and P3-B8 for mercury analysis. Sampling in cells P3-B7 and P3-B8 for mercury analysis will be paid for by the City.

If excavation is required beyond the extents shown in the Final Removal Action Workplan, the City will pay the contractor for this additional work through the change order process outlined in Document 01 2600 Modification Procedures.

43. Who will be providing the CAMP (Community Air Monitoring Plan) required in Section 5.3.5 of the Final Removal Action Work Plan?

Response The actual CAMP is already provided in the Final Removal Action Work Plan. The City will be covering the costs for the implementation of the CAMP.

44. What third-party testing will the city provide vs. require the Contractor to provide (e.g., compaction tests, hazardous waste profile sampling)?

Response Refer to Document 01 4500 Testing and Inspection and amendments to documents per this bid addendum. City will cover costs for compaction, formwork and reinforcement, concrete, soil sampling at cells P3-B7 and P3-B8, and air monitoring required per the Community Air Monitoring Plan (CAMP). For waste pre-characterization sampling, see response to question 40.

45. Ref: 5.3 Excavation and Backfilling Methodology - 5.3.1 Soil Excavation:
- f. If the current in-situ data is insufficient to secure TSDf approval, and as noted in the RAW, who will be responsible for implementing and associated cost of the needed “soil boring program”?
Response See response to question 40.
 - g. What will be required for the “washing before exiting the site”?
Response Tracking soil off the Site will be prohibited. Soil or other materials adhered to the vehicles are required to be removed via brushing or washing before exiting the Site.
 - h. Should we include a rollover basin and tire washing system?
Response Yes, if required to prevent tracking soil off the Site .
46. In the event of over excavation is required...
- a. Will over excavation activity be directed real time in the field as directed by XRF direct reading results?
Response Yes.
 - b. Will there be a lag period between sampling and sample TAT to determine if additional excavation is required?
Response Yes, there will be a lag for cells P3-B7 and P3-B8 to determine the final vertical extent. The City’s environmental consultant will collect bottom samples from these two cells and mercury analysis will be run on a 1-day turnaround. Additionally, there may be a lag in determining final excavation extent if confirmation samples are required in the case that unanticipated conditions are encountered and XRF is used to guide over excavation. Additional excavation by the Contractor and sampling by the City’s environmental consultant may be required at the discretion of the DTSC.
 - c. How will the over excavation and additive backfilling activity be paid for. Ie. per unit rate, T&M?
Response Additional work will be handled through the change order process outlined in Document 01 2600 Modification Procedures.
47. Are bid quantities final, or will payments adjust based on field-measured excavation and fill?
Response Any changes from the bid documents will be handled through the change order process outlined in Document 01 2600 Modification Procedures.
48. Is the import quantity fixed or subject to adjustment based on over-excavation?
Response See responses to questions 46b and 47.
49. Re: Perched and surface run off water within the excavations.
Ref: GSI RAW – 2.1.1 Site Geology and Hydrogeology
The soil at the Site generally consists of dark grayish brown poorly graded sand with silt or silty sand underlain by very dark brown lean clay. Coarse gravel was observed in most grid cells on the eastern side of Parcel 2. Water was encountered between 2.0 and 4.0 feet bgs in seven grid cells on the eastern side of Parcel 2 during the January 2024 investigation. Water was not encountered on the western side of Parcel 2 or on any other parcels, therefore, the water that was encountered on the eastern side of Parcel 2 was likely perched water from recent rain events and not groundwater.
- Ref: Earthwork 31-2000 – 3.02 DEWATERING
A. Provide dewatering systems to:

1. Lower water table within areas of excavation to minimum 1 foot below bottom of excavation to permit Work to be completed on dry and stable subgrade.
2. Relieve hydrostatic pressures in confined water bearing strata below excavation to eliminate risk of uplift or other instability of excavation.
 - a. Prevent damage to adjacent properties, buildings, structures, utilities, and facilities from construction operations.
 - b. Prevent loss of fines, quick condition, or softening of foundation subgrade.
 - c. Maintain stability of sides and bottoms of excavations and trenches, face/walls/bottoms of tunnels, and sides and bottoms of shafts.

Question:

- a. Should the contractor plan for the management (Dewatering) of perched and surface run off water?

Response Surface water runoff, if any, will be handled in accordance with the Construction General Permit and project specifications. Based on observations during environmental investigations, dewatering is not anticipated and doesn't need to be included in the bid response. However, if groundwater is encountered, Contractor must conform to the project specifications. Additional costs related to groundwater management will be handled through the change order process outline in Document 01 2600 Modification Procedures.

- b. Are we to assume perched surface run off water will be free of COC's and can be open broadcasted as dust suppression water?

Response No. If present, groundwater or surface water may contain site COCs and cannot be open broadcast as dust suppression water.

- c. If not open broadcasted as dust suppression water, should we assume, the captured water will be non-hazardous and can be managed and disposed of within Bid Item 3.05?

Response See response to part "a" of this question. Dewatering is not anticipated, however, if captured water is generated it will likely be non-hazardous, but must be characterized by the contractor prior to off-site disposal.

50. Will the City provide a designated disposal site, or is the Contractor responsible for selecting an approved receiving facility?

Response Contractor is responsible for submitting a receiving facility with its waste characterization requirements for review and approval prior to mobilization. The removal of encroachments at 1410 Parker Street is under a separate demo permit that requires the contractor to manage construction waste through Green Halo and dispose at one of the approved waste facilities on Green Halo.

51. What is the import fill?

Response Import fill shall comply with the requirements of import fill in Document 31 2000 Earthwork and the Final Removal Action Workplan, Section 5.3.2.

52. During our outreach efforts we have located several fill sources that meet or exceed the above noted specification requirements, except for the "at least" passing the #200 Sieve. Our collective sourced import fill materials are falling within the ranges of 15 – 20%. Would it be acceptable to utilize clean import fill sources with a gradation for the #200 sieve size consisting of a percentage range between 15 and 20?

Response Document 00 6325 Substitution Request Form must be submitted for the team's review and approval. See response to question 5.

53. Who provides the source approval for the clean imported soil?

Response Product data of the clean import soil will need to be submitted for review and approval prior to procurement. The City's environmental consultant will be reviewing and approving this submittal on behalf of the City. The DTSC must also review and approve the import material.

54. Please clarify which plan-designated areas require imported sandy loam planting soil and the estimated quantities to be installed under Bid Item 4.01, so we can distinguish planting-area sandy loam from other imported fill.

BACKUP:

Section 31 2000 specifies that "Imported Fill for Planting Areas" shall be sandy loam, weed-free soil, with lab analysis from a certified Soil and Plant Lab. However, the specifications do not clearly define which areas along the alignment are considered "planting areas" or the corresponding volume or depth of sandy loam required. Bid Item 4.01 ("Import and Place Soil, Soil Compaction") covers 4,053 BCY of imported soil placed per the Landscape Material Plans and compacted per the specs. For accurate pricing and material sourcing, we need to know (a) the specific locations/limits where sandy loam planting soil is required and (b) the approximate quantity (CY or SF × depth) of sandy loam within the overall 4,053 BCY import item.

Response Imported sandy loam planting soil is not required at this time. All fill material shall be "imported fill" in compliance with 31 2000 Earthwork and the Final Removal Action Workplan.

55. Is the plan for erosion control based on Wattle around sites and Rock Construction entrances?

Response Contractor is responsible for submitting and implementing a SWPPP per the Construction General Permit.

56. Is a designated decontamination zone shown on the drawings, or is the Contractor responsible for determining layout?

Response A designated decontamination zone is not shown on the drawings. The contractor is responsible for determining the layout.

57. Do the Construction entrances remain or get removed after our work is completed?

Response All temporary facilities shall be promptly removed by the contractor when they are no longer needed per Document 01 5200 Temporary Facilities, 1.03H.

58. Does the project require hydroseeding after importing fill? Please confirm whether the City will required a particular hydroseed / stabilizing seed mix, and application rate for temporary erosion control of graded areas.

BACKUP: The Contractor will be responsible for stabilizing the site under the SWPPP. This is typically done by Hydroseeding and/or broadcast seed mix. As the intent is suggesting future park use, does the City have seed / hydro mulch specifications they would like to use?

Response Contractor shall be responsible for stabilizing the site under the SWPPP and Construction General Permit. City doesn't have a specification for temporary seed measures but prefers to use Bolero 90% Dwarf Fescue/10% Bluegrass, or Bolero 100% Dwarf Fescue for permanent lawn areas. Mulch shall consist of natural, organic materials. Both materials shall be submitted for review and approval prior to installation.

59. Please confirm no hydroseed or other landscaping work is not required after import of soil.
Response Contractor shall be responsible for stabilizing the site under the SWPPP. This is typically done by hydroseeding and/or broadcast seed mix. See response to question #58.
60. What are the required compaction standards (e.g., 90% or 95% per ASTM D1557)?
Response Refer to Document 31 2000 Earthwork, 3.04 for backfill and compaction requirements. Approved backfill material shall have a minimum relative compaction of 90%.
61. What shoring systems are acceptable (e.g., trench plates, hydraulic shoring, soldier piles)?
Response Contractor is responsible for designing a shoring system best suited for this project. The Shoring Plan will need to be submitted for DTSC review and approval and the contractor will be responsible for obtaining the required City of Berkeley building permit prior to implementing shoring.
62. What depth and sidewall stability assumptions are bidders expected to use?
Response Refer to Figures 3a, 4a, 5a, and 6a in the Final Removal Action Workplan for required excavation depths. Refer to the revised Document 31 2000 Earthwork provided in this bid addendum for shoring design recommendations.
63. Please confirm if the Contractor or City will perform the pre & post excavation and final backfilling surveying and topography mapping.
Response City performed the pre-excavation survey, please refer to the Survey Sheets (G1.01 through G1.04) of the plans. Contractor is responsible for maintaining and submitting final as-builts for City review and approval as part of closeout per Document 01 7700, 1.03. Contractor is also responsible for any survey work required to perform excavation, such as staking the grid cells. See response to question 63.
64. Does the contractor need to have the property line surveyed?
Response No, the City will have the property line surveyed and staked. City will coordinate with the contractor for scheduling this work. Contractor is responsible for maintaining the property line stakes once installed. If re-staking is required due to lost or moved stakes, the additional cost shall be borne onto the Contractor.
65. Are the fence alignments staked in advance, or must the Contractor rely solely on survey files?
Response City will have the property lines staked. See response to question 64.
66. For wood fence atop vertical curb, what are the curb dimensions and reinforcement details?
Response See revised plan sheets in this bid addendum. Please refer to detail 1/L4.01 as noted in the Landscape Wall Type Legend of the Material Plan Sheets. "Section at Post in Vertical Curb" of detail 1/L4.01 provides curb dimensions and reinforcement details for wood fence atop vertical curb.
67. Do gates require specific hardware or locking mechanisms consistent with City standards?
Response All pedestrian gates shall have Trilogy battery powered lock. All vehicular gates shall have a padlock latch. See revised details 2, 3, and 4 on sheet L4.02 included in this bid addendum.

68. Please confirm whether the con-heart redwood fencing on L4.01 is to receive (a) both a penetrating oil and a separate anti-graffiti coating, or (b) a single penetrating anti-graffiti sealer; and identify approved manufacturer/products and required application sequence. Drawing L4.01 notes "coat con-heart redwood fencing with penetrating oil and anti-graffiti coating," which reads as two separate products. Section 06 2013 specifies construction heart redwood lumber and a wood coating "Micro-Seal with Graffiti Control" by Rain Guard or approved equivalent, but does not mention a separate penetrating oil product.

Response Micro Seal with Graffiti Control is the only finish to be applied to the wood fencing. See revised detail sheet L4.01 in this bid addendum.

69. Please clarify the intended chain-link fence system, including whether 2" black vinyl-coated 2" diamond mesh without slats or 3.5" x 5" Priva-Max pre-slatted panels are required, acceptable mesh/slat colors, whether 9 ga fabric is acceptable in lieu of 11 ga, and required rail diameters.

Detail 1/L4.02 calls out "preslatted" (pre-slatted) fabric, Note 2 calls for 2" diamond mesh, and Note 4 calls for black mesh color, but the referenced Merchant Metals / Priva-Max pre-slatted product is 3.5" x 5" galvanized steel with limited standard colors (brown, beige, white, gray, redwood, green). It is unclear whether the Owner wants a 2" black vinyl-coated chain link fabric without slats, or a pre-slatted privacy system, and what color(s) are acceptable. Chain-link work is also governed by Section 32 3113 – Chain Link Fence and Gates and drawing L4.02. In addition, the details show 3.5" Schedule 40 top, horizontal, and bottom rails, which is atypically large and heavy compared with the 1-5/8" industry-standard rails and may create connection and handling issues. Clarification is needed for bidding and to confirm if 9 ga fabric (with or without slats) and standard rail sizes are acceptable.

Response Use 3" terminal posts with 2" line posts and rails and 2" 9 gauge black vinyl coated mesh with no slats. See revised detail sheet L4.02 in this bid addendum.

The Bid Opening time and date is updated to Thursday, December 18, 2025 at 2:00 P.M. The location of opening will be at the courtyard of 2180 Milvia Street. All other requirements of the contract remain the same. Bidder shall acknowledge receipt of this Addendum on the Bid Form.

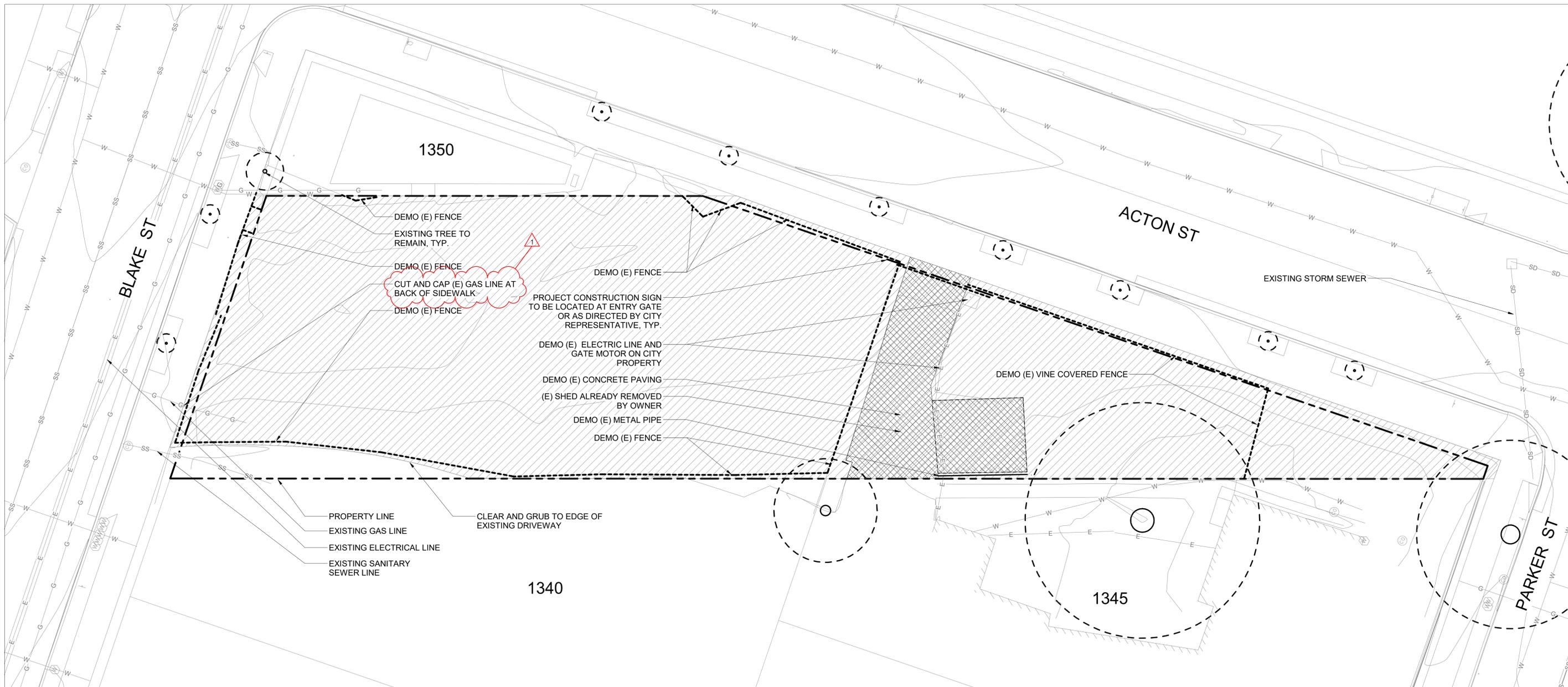
The location of opening at the courtyard may change as needed to accommodate the number of attendees. Staff will be present to direct the bidders to the bid opening. Bidders shall allow sufficient time to deliver their bids by the deadline and check the city's website <https://berkeleyca.gov/doing-business/working-city/bid-proposal-opportunities/santa-fe-trackbed-park-conversion> for the most up to date information for where to deliver their bids.

THE ADDENDA MUST BE ACKNOWLEDGED BY SIGNATURE WITH SUBMISSION OF DOCUMENT 00 4113 "BID FORM". FAILURE TO DO SO MAY RESULT IN REJECTION OF THE BID.

Sincerely,

Stacey Rutherford
Associate Civil Engineer
Department of Parks, Recreation and Waterfront

END OF DOCUMENT

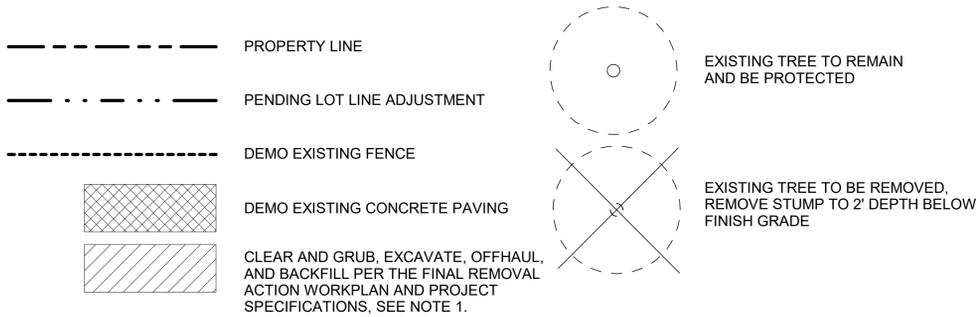


DEMO (E) FENCE
 EXISTING TREE TO REMAIN, TYP.
 DEMO (E) FENCE
 CUT AND CAP (E) GAS LINE AT BACK OF SIDEWALK
 DEMO (E) FENCE
 PROJECT CONSTRUCTION SIGN TO BE LOCATED AT ENTRY GATE OR AS DIRECTED BY CITY REPRESENTATIVE, TYP.
 DEMO (E) ELECTRIC LINE AND GATE MOTOR ON CITY PROPERTY
 DEMO (E) CONCRETE PAVING (E) SHED ALREADY REMOVED BY OWNER
 DEMO (E) METAL PIPE
 DEMO (E) FENCE

PROPERTY LINE
 EXISTING GAS LINE
 EXISTING ELECTRICAL LINE
 EXISTING SANITARY SEWER LINE

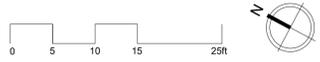
CLEAR AND GRUB TO EDGE OF EXISTING DRIVEWAY

DEMOLITION LEGEND



DEMOLITION NOTES

1. EXCAVATION AND OFFHAUL WORK REQUIRES HANDLING OF CONTAMINATED SOIL. CONTRACTOR SHALL HAVE HAZWOPER TRAINED AND CERTIFIED SITE PERSONNEL PER THE FINAL REMOVAL ACTION WORKPLAN.
 2. HORIZONTAL EXTENTS OF EXCAVATION ARE SPECIFIED ON THIS PLAN. VERTICAL EXTENTS OF EXCAVATION ARE IDENTIFIED IN THE FINAL REMOVAL ACTION WORKPLAN.
 3. BACKFILL TO ELEVATIONS IDENTIFIED IN MATERIALS PLAN WITH IMPORTED CLEAN FILL IN ACCORDANCE WITH THE FINAL REMOVAL ACTION WORKPLAN AND PROJECT SPECIFICATIONS.
 4. ANY STRUCTURES OR OTHER ELEMENTS WITHIN THE PROPERTY LINE THAT ARE NOT SPECIFICALLY CALLED OUT ON THE PLANS SHOULD BE ASSUMED TO BE DEMOLISHED.



Santa Fe Trackbed to Park Conversion Project Remediation, Demolition and Perimeter Fencing
 Berkeley, CA

PRWPK2102

City of Berkeley
 2180 MILVIA STREET, 3RD FLOOR
 BERKELEY, CA 94704

SPEC NO. 26-11756-C
 PLAN NO. 8299
 FILE NO. 406-225

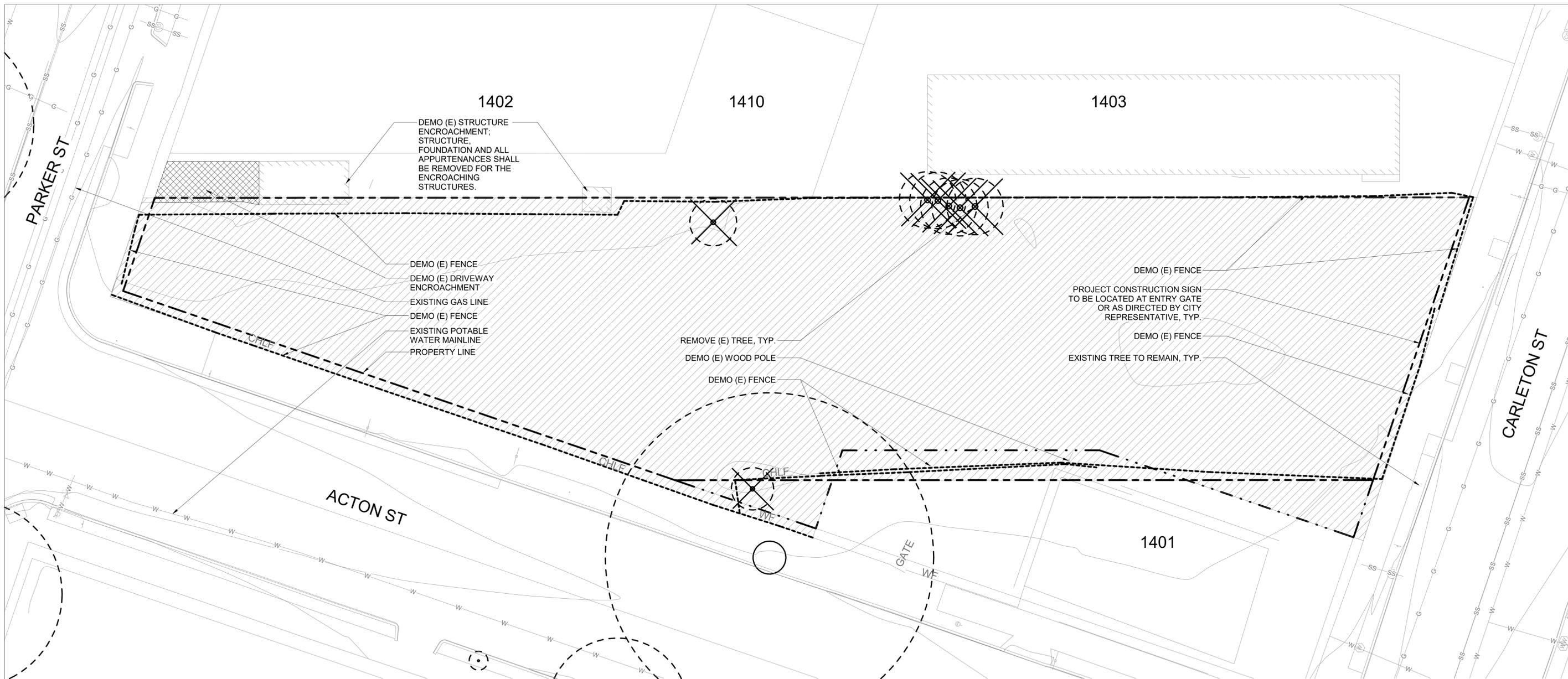
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| NUMBER | DATE | DESCRIPTION |
| 1 | 12/02/25 | BID ADDENDUM 2 |
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REMEDIATION BID SET
 ISSUE: 10/31/25
 DATE:

DEMOLITION PLAN - BLAKE TO PARKER

G2.01

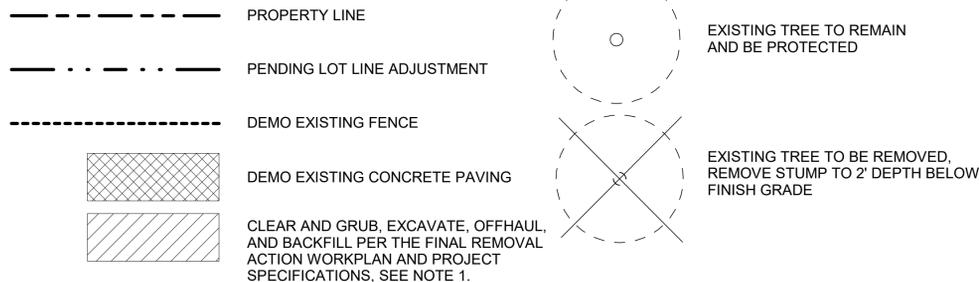
PRWPK21012 - SANTA FE RIGHT OF WAY NEW PARK DEVELOPMENT



1410 PARKER DETACHED GARAGE ENCROACHMENT SITE PHOTOS

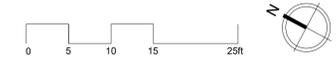


DEMOLITION LEGEND



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MIG | **PGA**

800 HEARST AVENUE
BERKELEY, CA 94710
TEL: (510) 845-7549

LICENSED LANDSCAPE ARCHITECT
CHRISTINE GARRETT HENLEY
DEC. 31, 2025
FEB. 19, 2025
STATE OF CALIFORNIA

Santa Fe Trackbed to Park Conversion Project Remediation, Demolition and Perimeter Fencing
Berkeley, CA

PROJECT: PRWP2102

City of Berkeley
2180 MILVIA STREET, 3RD FLOOR
BERKELEY, CA 94704

CLIENT: CONSULTANTS:

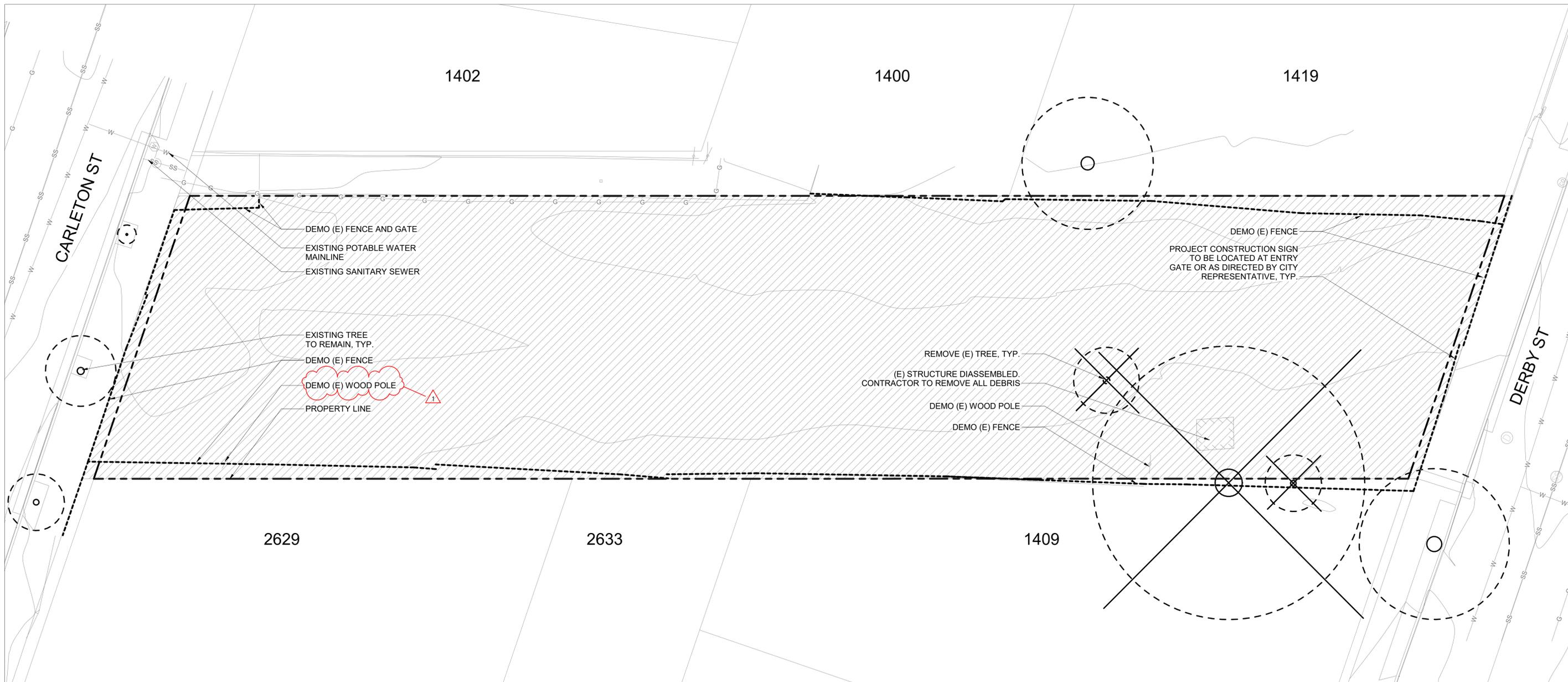
SPEC NO. 26-11756-C
PLAN NO. 8299
FILE NO. 406-225

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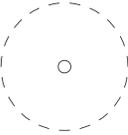
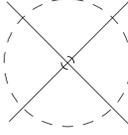
REMEDATION BID SET
ISSUE: 10/31/25
DATE:

DEMOLITION PLAN - PARKER TO CARLETON
SHEET TITLE:

G2.02
SHEET NUMBER:



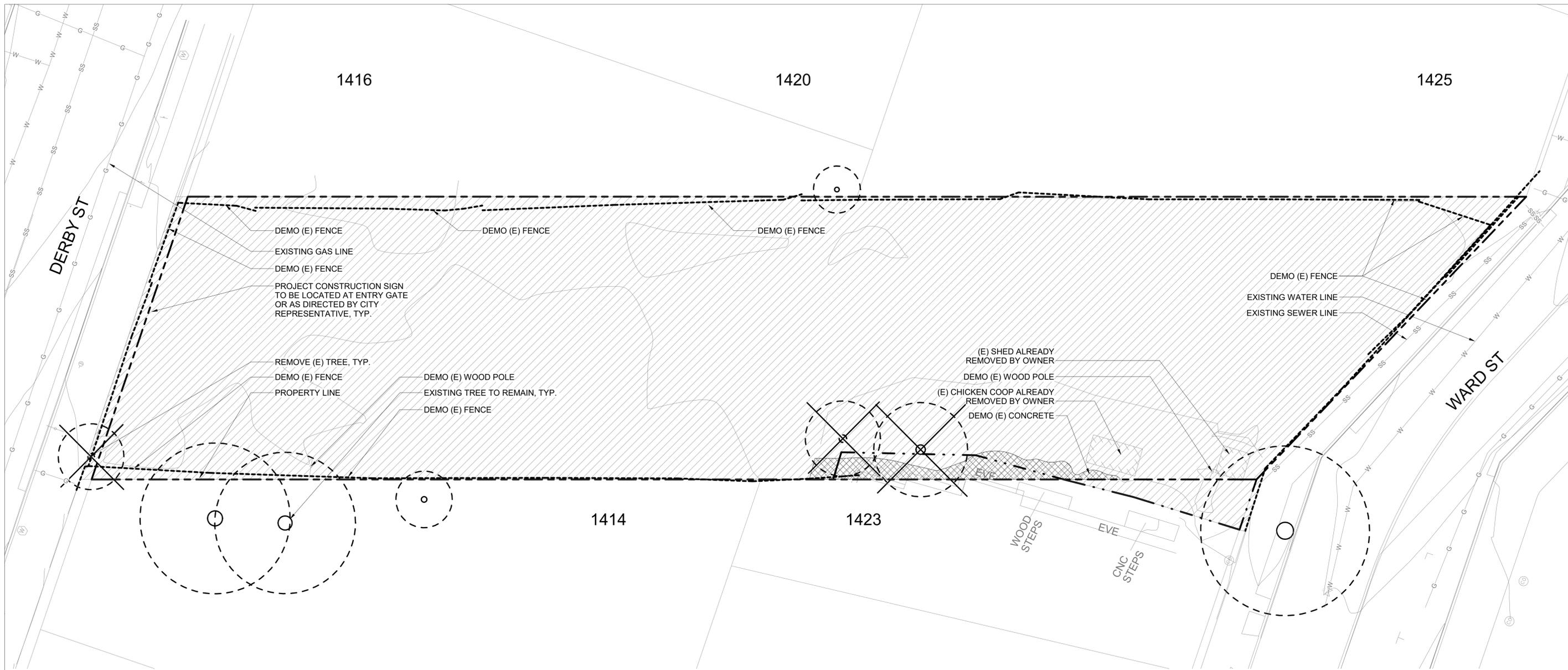
DEMOLITION LEGEND

-  PROPERTY LINE
-  PENDING LOT LINE ADJUSTMENT
-  DEMO EXISTING FENCE
-  DEMO EXISTING CONCRETE PAVING
-  CLEAR AND GRUB, EXCAVATE, OFFHAUL, AND BACKFILL PER THE FINAL REMOVAL ACTION WORKPLAN AND PROJECT SPECIFICATIONS, SEE NOTE 1.
-  EXISTING TREE TO REMAIN AND BE PROTECTED
-  EXISTING TREE TO BE REMOVED, REMOVE STUMP TO 2' DEPTH BELOW FINISH GRADE

DEMOLITION NOTES

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| NUMBER | DATE | DESCRIPTION |
| 1 | 12/02/25 | BID ADDENDUM 2 |
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DEMO (E) FENCE
 EXISTING GAS LINE
 DEMO (E) FENCE
 PROJECT CONSTRUCTION SIGN TO BE LOCATED AT ENTRY GATE OR AS DIRECTED BY CITY REPRESENTATIVE, TYP.

REMOVE (E) TREE, TYP.
 DEMO (E) FENCE
 PROPERTY LINE
 DEMO (E) WOOD POLE
 EXISTING TREE TO REMAIN, TYP.
 DEMO (E) FENCE

(E) SHED ALREADY REMOVED BY OWNER
 DEMO (E) WOOD POLE
 (E) CHICKEN COOP ALREADY REMOVED BY OWNER
 DEMO (E) CONCRETE

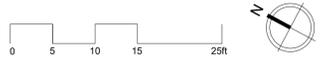
DEMO (E) FENCE
 EXISTING WATER LINE
 EXISTING SEWER LINE

DEMOLITION LEGEND

- PROPERTY LINE
- PENDING LOT LINE ADJUSTMENT
- DEMO EXISTING FENCE
- DEMO EXISTING CONCRETE PAVING
- CLEAR AND GRUB, EXCAVATE, OFFHAUL, AND BACKFILL PER THE FINAL REMOVAL ACTION WORKPLAN AND PROJECT SPECIFICATIONS, SEE NOTE 1.
- EXISTING TREE TO REMAIN AND BE PROTECTED
- EXISTING TREE TO BE REMOVED, REMOVE STUMP TO 2' DEPTH BELOW FINISH GRADE

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**Santa Fe Trackbed to Park Conversion Project
 Remediation, Demolition and Perimeter Fencing**
 Berkeley, CA

PRWPK2102

City of Berkeley
 2180 MILVIA STREET, 3RD FLOOR
 BERKELEY, CA 94704

SPEC NO. 26-11756-C
 PLAN NO. 8299
 FILE NO. 406-225

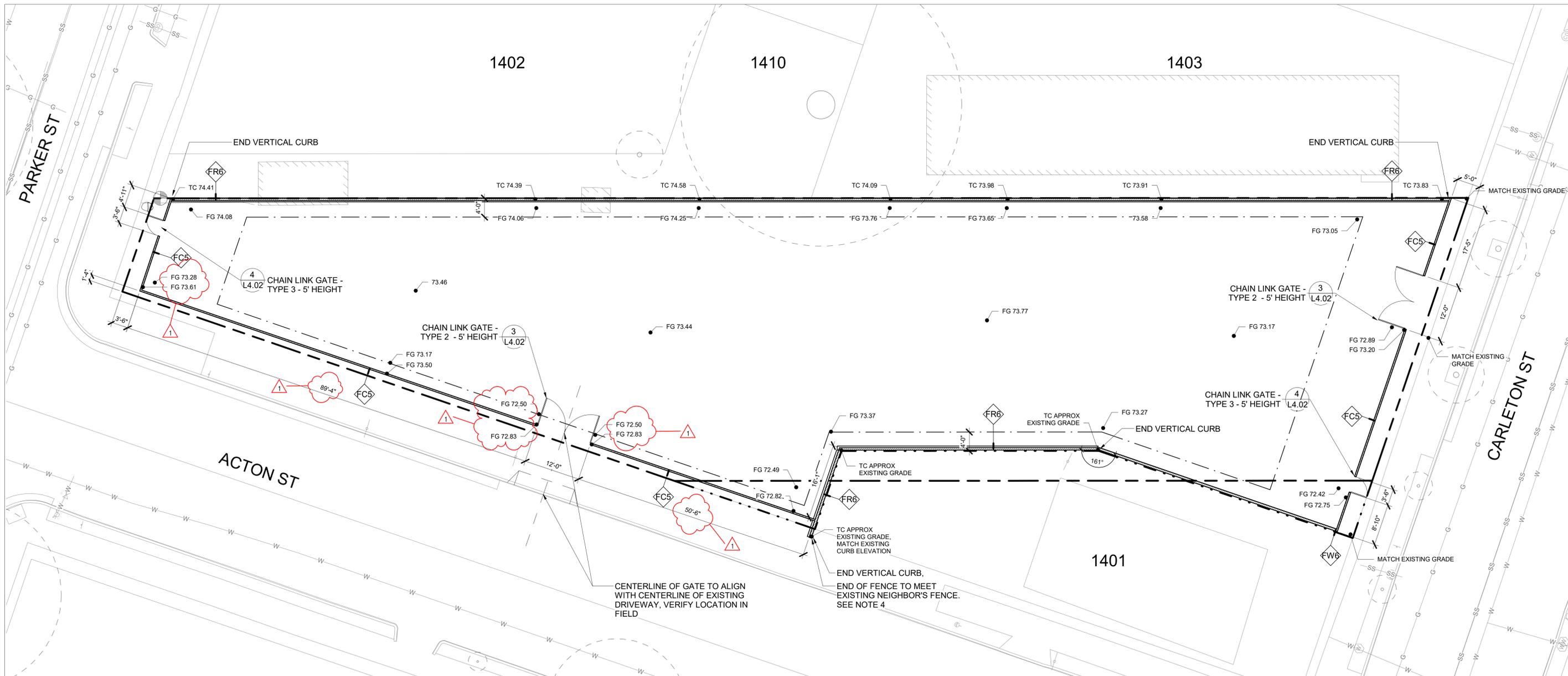
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REMEDATION BID SET
 ISSUE: 10/31/25
 DATE:

DEMOLITION PLAN - DERBY TO WARD
 SHEET TITLE:

G2.04
 SHEET NUMBER:

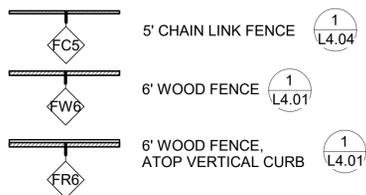
PRWPK21012 - SANTA FE RIGHT OF WAY NEW PARK DEVELOPMENT



LANDSCAPE GENERAL NOTES

1. 'TYP' OR TYPICAL MEANS THAT THE CONDITION IS REPRESENTATIVE FOR SIMILAR CONDITIONS THROUGHOUT. UNLESS OTHERWISE NOTED. DETAILS ARE USUALLY NOTED 'TYP' ONLY ONCE WHEN THEY FIRST OCCUR.
2. NOTES AND SYMBOLS ON ONE DRAWING APPLY TO OTHER SIMILAR DETAILS AND CONDITIONS.
3. QUANTITIES PROVIDED ARE FOR INFORMATION ONLY. VERIFY QUANTITIES AND NOTIFY OWNER OF DISCREPANCIES.
4. AS NECESSARY, REMOVE ENCROACHING FENCE BUT SALVAGE AND REUSE ENCROACHING FENCE MATERIAL TO RE-INSTALL AND RECONNECT THE NEIGHBORING FENCE TO ITS OWN END POST.

LANDSCAPE WALL TYPE LEGEND



GENERAL SYMBOLS & ABBREVIATIONS

| | | | |
|--|-----------------------------|------|--------------|
| | POINT OF BEGINNING | EQ. | EQUAL |
| | CENTERLINE | (E) | EXISTING |
| | PROPERTY LINE | O.C. | ON CENTER |
| | PENDING LOT LINE ADJUSTMENT | MAX. | MAXIMUM |
| | PROPERTY LINE SETBACKS | MIN. | MINIMUM |
| | DETAIL CALLOUT | TYP. | TYPICAL |
| | | TC | TOP OF CURB |
| | | FG | FINISH GRADE |

Santa Fe Trackbed to Park Conversion Project Remediation, Demolition and Perimeter Fencing
Berkeley, CA

PROJECT: PRWPK2102

City of Berkeley
2180 MILVIA STREET, 3RD FLOOR
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CONSULTANTS:

SPEC NO. 26-11756-C
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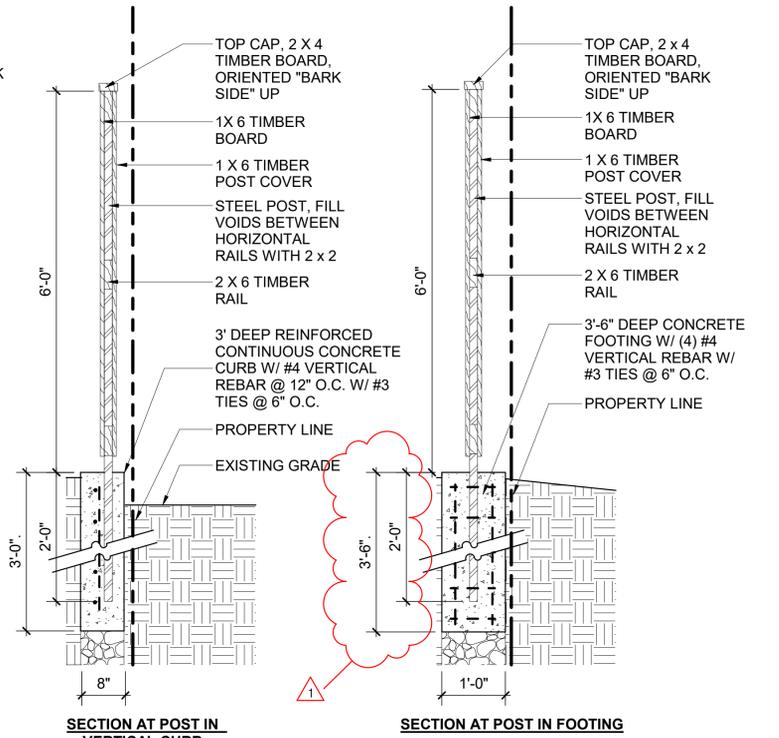
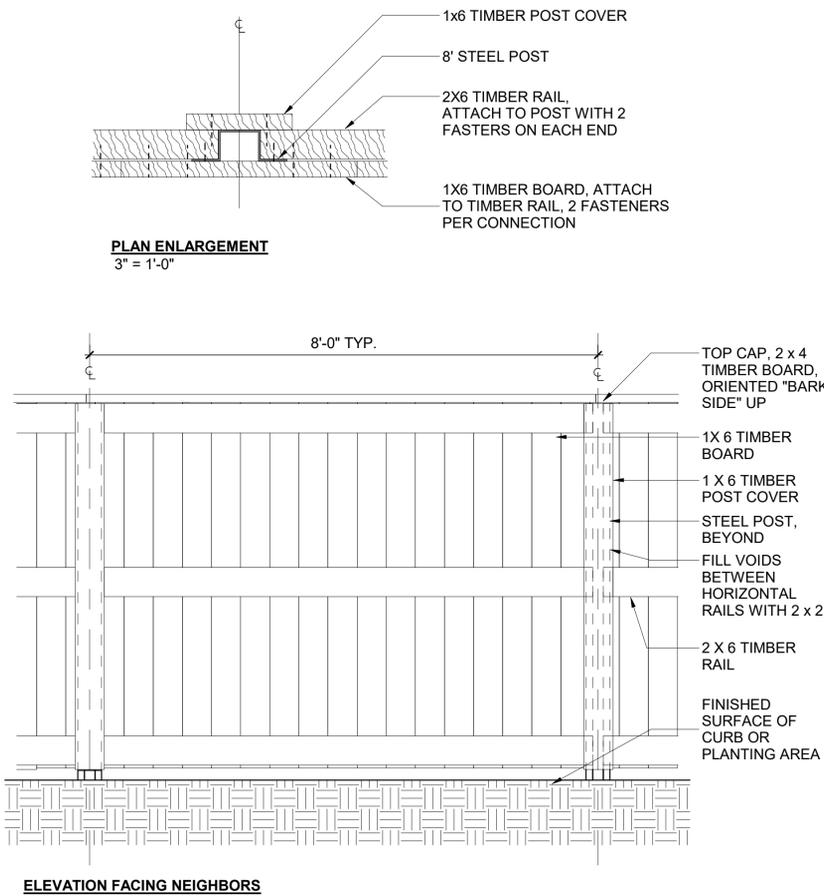
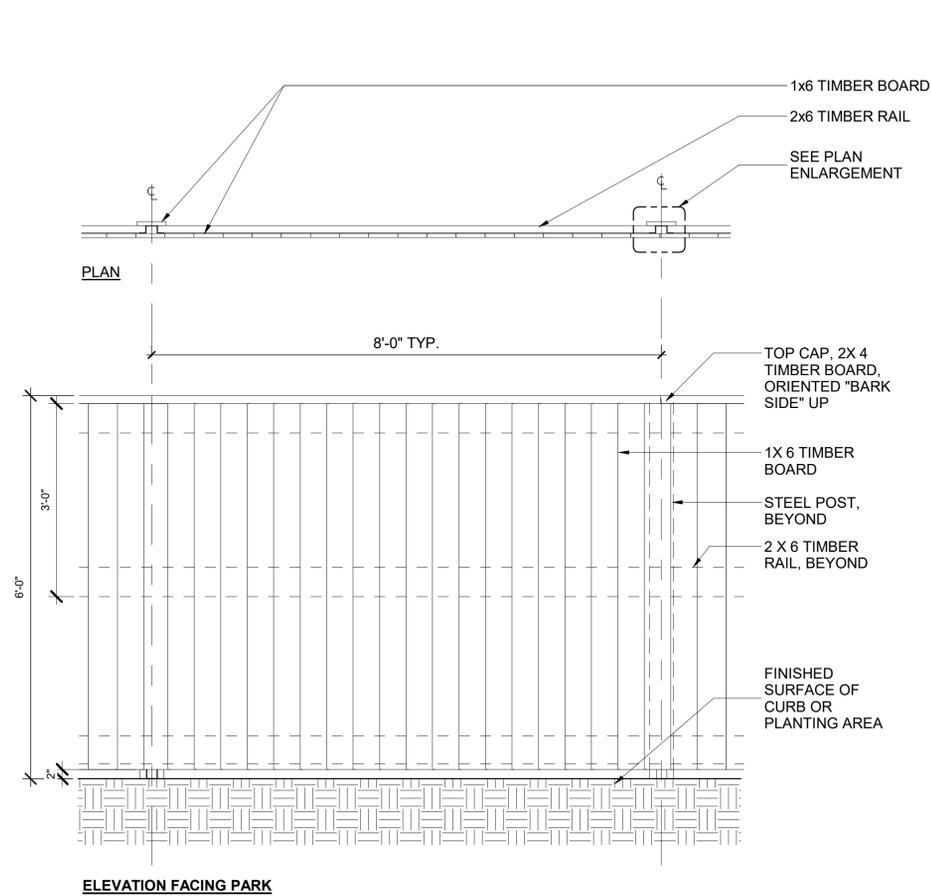
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| NUMBER | DATE | DESCRIPTION |
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REMEDATION BID SET
ISSUE: 10/31/25
DATE:

MATERIALS PLAN - PARKER TO CARLETON
SHEET TITLE:

L1.02
SHEET NUMBER:

PRWPK21012 - SANTA FE RIGHT OF WAY NEW PARK DEVELOPMENT



- NOTES:**
1. POSTS TO BE METAL FENCE POST AS MANUFACTURED BY MASTER HALCO, POST MASTER LINE AND CORNER POSTS, WEBSITE: WWW.MASTERHALCO.COM/POSTMASTER-PLUS
 2. TIMBER TO BE: CON HEART REDWOOD, DIMENSIONS LISTED ARE NOMINAL.
 3. ALL FASTENERS TO BE ZINC COATED
 4. APPLY ANTI-GRAFFITI COATING TO ALL WOOD MEMBERS. ANTI-GRAFFITI COATING TO BE MICRO-SEAL WITH GRAFFITI CONTROL MANUFACTURED BY RAIN GUARD OR APPROVED EQUIVALENT
 5. ALL FENCING AND FOOTINGS TO BE ENTIRELY ON CITY PROPERTY.

1 6' WOOD FENCE
L4.01 3/4" = 1'-0"



800 HEARST AVENUE
BERKELEY, CA 94710
TEL: (510) 845-7549



**Santa Fe Trackbed to
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Remediation, Demolition
and Perimeter Fencing**
Berkeley, CA

PROJECT:

PRWPK2102

PROJECT NUMBER:

City of Berkeley

2180 MILVIA STREET, 3RD FLOOR
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CLIENT:

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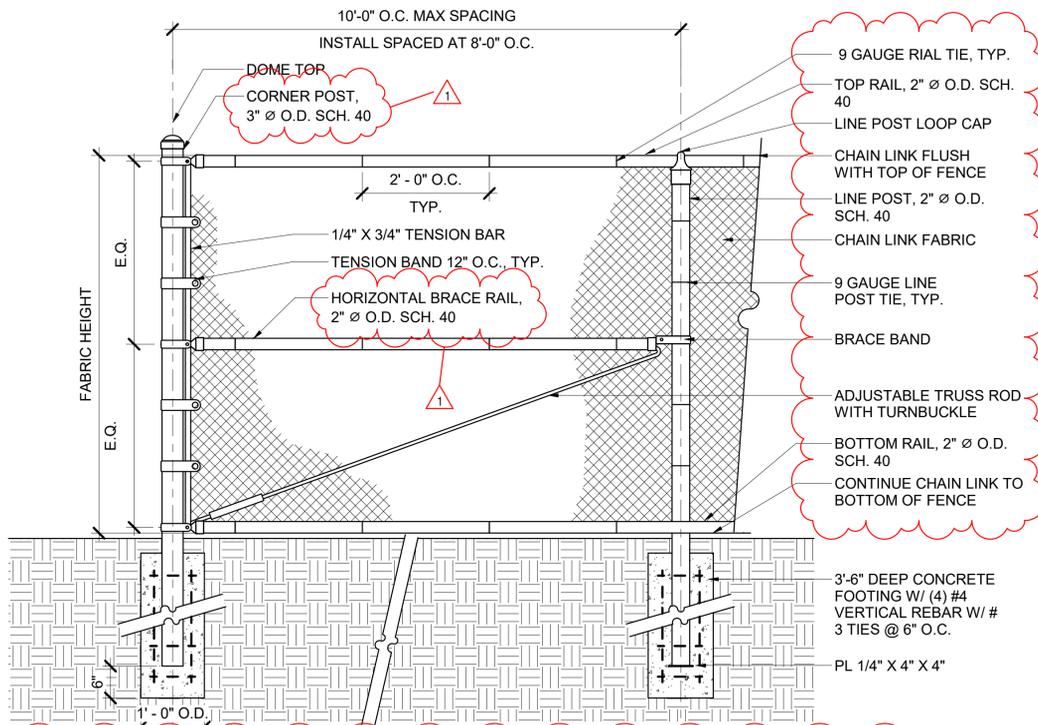
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BID SET
ISSUE:
10/31/25
DATE:

**DETAILS - WOOD
FENCE**

SHEET TITLE:

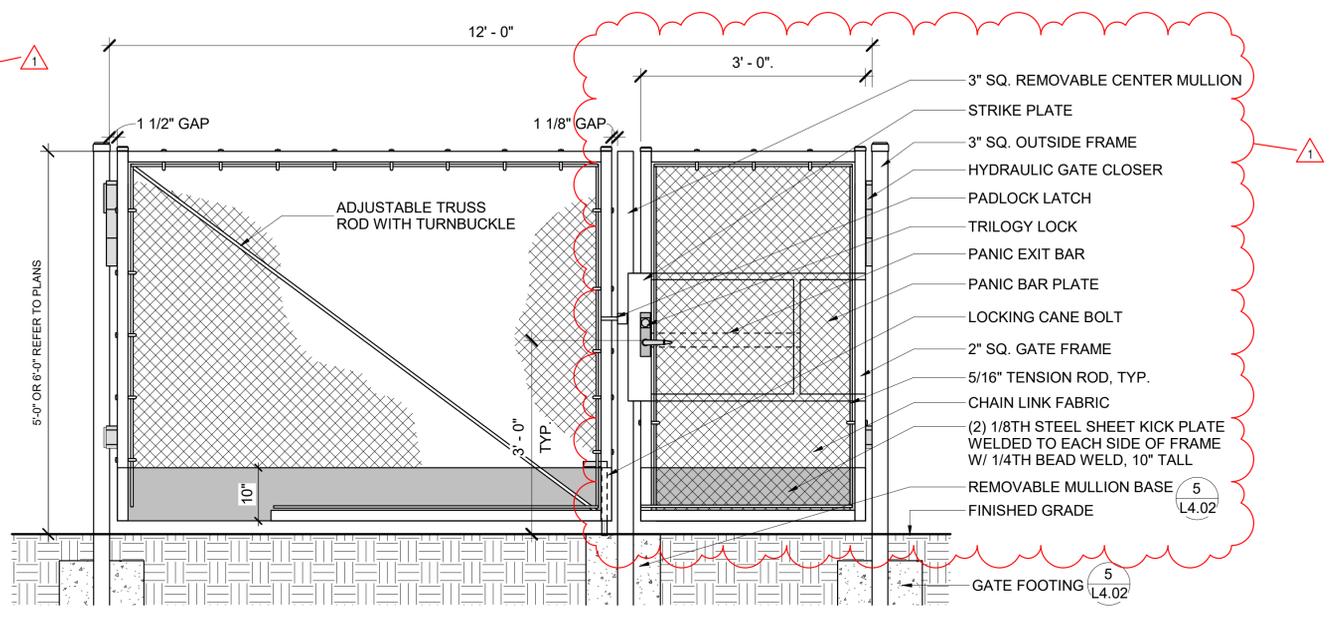
L4.01

SHEET NUMBER:



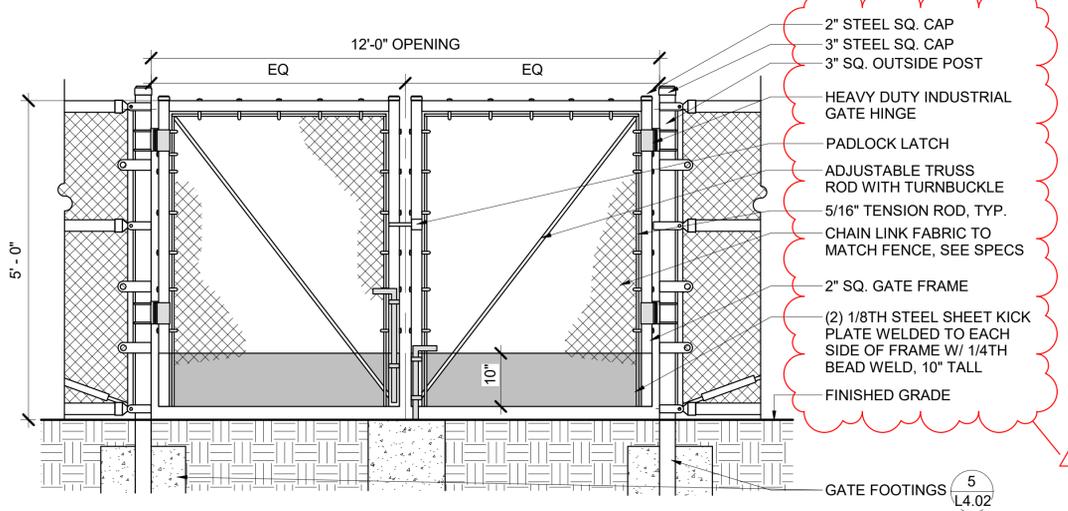
- NOTES:
1. CHAIN LINK FABRIC: 2" 9 GAUGE VINYL COATED AND BONDED.
 2. FENCE & MESH COLOR: BLACK
 3. MANUFACTURER: MERCHANT METALS, WEBSITE: [HTTPS://WWW.MERCHANTSMETALS.COM/](https://www.merchantsmetals.com/)
 4. SUBMIT SHOP DRAWINGS & CORRELATING FIELD MEASUREMENTS FOR REVIEW AND ACCEPTANCE, DOCUMENTING ANY STEP DOWNS. TOP OF FENCE TO BE LEVEL AND STEP DOWN AS NEEDED.

1 CHAIN LINK FENCE
3/4" = 1'-0"



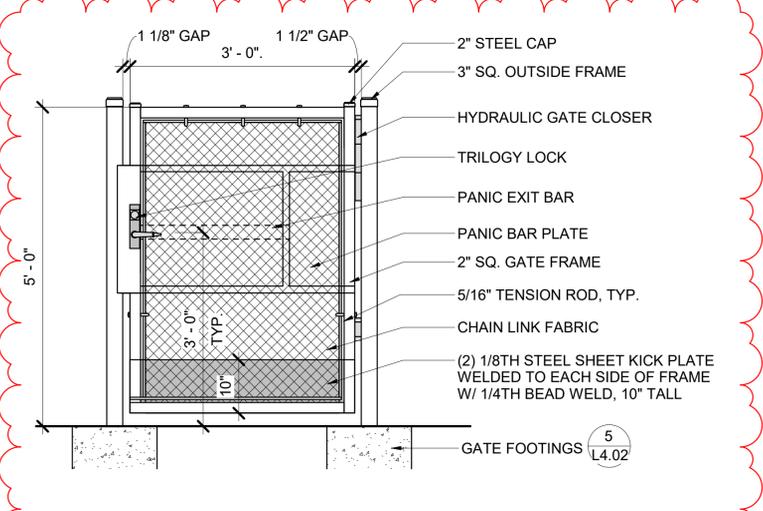
- NOTES:
1. ALL MATERIALS ARE BY MERCHANT METALS, OR APPROVED EQUIVALENT, EXCEPT AS NOTED.
 2. CHAIN LINK FABRIC: 2" 9 GAUGE VINYL COATED AND BONDED
 3. GATE & MESH COLOR: BLACK
 4. GATE MANUFACTURER: MERCHANT METALS, WEBSITE: [HTTPS://WWW.MERCHANTSMETALS.COM/](https://www.merchantsmetals.com/)
 5. REMOVABLE MULLION: VON DUPRIN 9852 FOR EXTERIOR USE, OR APPROVED EQUIVALENT
 6. OPERABLE PARTS OF DOOR AND GATE HARDWARE ARE CENTERED BETWEEN 34 INCHES MINIMUM AND 44 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND. 11B-404.2.7
 7. SUBMIT SHOP DRAWINGS & CORRELATING FIELD MEASUREMENTS FOR REVIEW AND ACCEPTANCE, DOCUMENTING ANY STEP DOWNS. TOP OF FENCE TO BE LEVEL AND STEP DOWN AS NEEDED.

2 CHAIN LINK GATE - TYPE 1
3/4" = 1'-0"



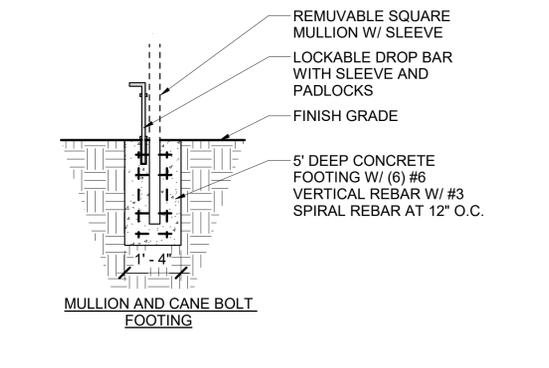
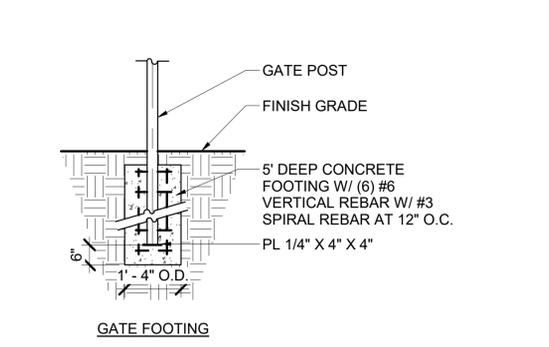
- NOTES:
1. CHAIN LINK FABRIC: 2" 9 GAUGE VINYL COATED AND BONDED
 2. GATE & MESH COLOR: BLACK
 3. GATE MANUFACTURER: MERCHANT METALS, WEBSITE: [HTTPS://WWW.MERCHANTSMETALS.COM/](https://www.merchantsmetals.com/)
 4. OPERABLE PARTS OF DOOR AND GATE HARDWARE ARE CENTERED BETWEEN 34 INCHES MINIMUM AND 44 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND. 11B-404.2.7
 5. SUBMIT SHOP DRAWINGS & CORRELATING FIELD MEASUREMENTS FOR REVIEW AND ACCEPTANCE, DOCUMENTING ANY STEP DOWNS. TOP OF FENCE TO BE LEVEL AND STEP DOWN AS NEEDED.

3 CHAIN LINK GATE - TYPE 2
3/4" = 1'-0"



- NOTES:
1. CHAIN LINK FABRIC: 2" 9 GAUGE VINYL COATED AND BONDED
 2. GATE & MESH COLOR: BLACK
 3. GATE MANUFACTURER: MERCHANT METALS, WEBSITE: [HTTPS://WWW.MERCHANTSMETALS.COM/](https://www.merchantsmetals.com/)
 4. OPERABLE PARTS OF DOOR AND GATE HARDWARE ARE CENTERED BETWEEN 34 INCHES MINIMUM AND 44 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND. 11B-404.2.7
 5. SUBMIT SHOP DRAWINGS & CORRELATING FIELD MEASUREMENTS FOR REVIEW AND ACCEPTANCE, DOCUMENTING ANY STEP DOWNS. TOP OF FENCE TO BE LEVEL AND STEP DOWN AS NEEDED.

4 CHAIN LINK GATE - TYPE 3
3/4" = 1'-0"



5 GATE FOOTINGS
1/2" = 1'-0"

DOCUMENT 00 4113
BID FORM

TO CITY OF BERKELEY

THIS BID IS SUBMITTED BY:

(Firm/Company Name)

Re: Santa Fe Trackbed to Park Conversion – Remediation, Demolition and Perimeter Fencing at 0 Parker St., 0 Carleton St., 0 Derby St., 0 Ward St., Specification No. 26-11756-C

1. The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an agreement with City of Berkeley in the form included in the Contract Documents, Document 00 5200 (Agreement), to perform and furnish all Work as specified or indicated in the Contract Documents for the Contract Sum and within the Contract Time indicated in this Bid and in accordance with all other terms and conditions of the Contract Documents.
2. Bidder accepts all of the terms and conditions of the Contract Documents, Document 00 1113 (Notice Inviting Bids), and Document 00 2113 (Instructions to Bidders), including, without limitation, those dealing with the disposition of Bid Security. This Bid will remain subject to acceptance for 60 calendar days after the day of Bid opening, unless there is a bid protest, then 90 calendar days after the day of bid opening. Bidder will sign and submit Document 00 5200 (Agreement) and other documents required by Document 002113, paragraph 5.02 (Required Contract Documents and Proof of Insurance) within 20 calendar days after receipt of City's Notice of Intent to Award.
3. In submitting this Bid, Bidder represents that Bidder has examined all of the Contract Documents, performed all necessary Pre-Bid investigations as set forth in Document 00 5200 (Agreement) Article 6 (Contractor's Representation), received the Pre-Bid conference minutes (if any), and received the following Addenda:

| Addendum Number | ADDENDUM DATE | Signature of Bidder |
|------------------------|----------------------|----------------------------|
| | | |
| | | |
| | | |
| | | |

4. Based on the foregoing, Bidder proposes and agrees to fully perform the Work within the time stated and in strict accordance with the Contract Documents for the following sums of money listed in the following Schedule of Bid Prices:

SCHEDULE OF BID PRICES

All Bid items, including lump sums and unit prices, must be filled in completely. Bid items are described in Section 01 1100 (Summary of Work). Bid items shall include all labor, materials, services, and equipment necessary for the completion of the Work, including connections to existing systems. Quote in figures only, unless words are specifically requested.

| ITEM | DESCRIPTION | QTY | UNIT | UNIT PRICE | ITEM TOTAL |
|--|--|--------|------|------------|------------|
| 1.00 | General Conditions | | | | |
| 1.01 | Mobilization | 1 | LS | | |
| 1.02 | Prepare and Implement SWPPP (Risk Level 2) | 1 | LS | | |
| 1.03 | Traffic Control | 1 | LS | | |
| 1.04 | Dust Control | 1 | LS | | |
| 1.05 | Demobilization | 1 | LS | | |
| 2.00 | Demolition and Construction Staking | | | | |
| 2.01 | Demolition of 1410 Parker encroachments, including Construction Waste Management | 1 | LS | | |
| 2.02 | Demolition and Clearing of Site, including Tree Protection & Removal | 1 | LS | | |
| 2.03 | Construction Staking | 1 | LS | | |
| 2.04 | Removal of spoils containers (non-hazardous) | 1 | LS | | |
| 3.00 | Soil Excavation | | | | |
| 3.01 | Shoring | 1 | LS | | |
| 3.02 | Excavate Soil (bank cubic yards) | 10,556 | TON | | |
| 3.03 | Load and Transport Soil for Off-Site Disposal (non-RCRA California Hazardous) | 10,556 | TON | | |
| 3.04 | Equipment and Vehicle Decontamination | 1 | LS | | |
| 3.05 | Decontamination Wash Water Disposal (non-hazardous) | 1 | LS | | |
| 4.00 | Post-Excavation and Perimeter Fencing | | | | |
| 4.01 | Import and Place Soil, Soil Compaction | 9,735 | TON | | |
| 4.02 | 6-ft Chain Link Fence and Gates | 337 | LF | | |
| 4.03 | 6-ft Wood Fence | 394 | LF | | |
| 4.04 | 6-ft Wood Fence atop Vertical Curb | 1465 | LF | | |
| 4.05 | 5-ft Chain Link Fence and Gates | 542 | LF | | |
| 5.00 | Allowances | | | | |
| 5.01 | Waste Pre-characterization | 1 | LS | \$45,000 | \$45,000 |
| Total Bid Price (Bid Items 1.01 through 5.01) | | | | | |

Total Bid Price: (Bid Items 1.01 Through 5.01)

(Words)

Add Alternates: N/A

| ITEM | DESCRIPTION | PRICE (\$) |
|------|-------------|------------|
| | | |

5. Subcontractors for work included in all Bid items are listed on Document 00 4330 (Subcontractors List) submitted herewith.
6. The undersigned Bidder understands that City reserves the right to reject this Bid, but that this Bid shall remain open and shall not be withdrawn for a period of sixty (60) calendar days from the date prescribed for its opening.
7. If written notice of the acceptance of this Bid, hereinafter referred to as Notice of Intent to Award, is mailed or delivered to the undersigned Bidder within the time described in Paragraph 2 of this Document 00 4113 or at any other time thereafter before it is withdrawn, the undersigned Bidder will execute and deliver the documents required by Document 00 2113 (Instructions to Bidders) within the times specified therein.
8. Notice of Award or request for additional information may be addressed to the undersigned Bidder at the address set forth below.
9. The undersigned Bidder herewith encloses cash, a cashier's check, or certified check of or on a responsible bank in the United States, or a corporate surety bond furnished by a surety authorized to do a surety business in the State of California, in form specified in Document 00 2113 (Instructions to Bidders), in the amount of ten percent (10%) of the Total Bid Price and made payable to City of Berkeley.
10. The undersigned Bidder agrees to commence Work under the Contract Documents on the date established in Document 00 7200 (General Conditions) and to complete all Work within the time specified in Document 00 5200 (Agreement).
11. The undersigned Bidder agrees that, in accordance with Document 00 7200 (General Conditions), liquidated damages for failure to complete all Work in the Contract within the time specified in Document 00 5200 (Agreement) shall be as set forth in Document 00 5200.
12. The names of all persons interested in the foregoing Bid as principals are:

IMPORTANT NOTICE: If Bidder or other interested person is a corporation, give the legal name of corporation, state where incorporated, and names of president and secretary thereof; if a partnership, give name of the firm and names of all individual co-partners composing the firm; if Bidder or other interested person is an individual, give first and last names in full.

NAME OF BIDDER: _____

licensed in accordance with an act for the registration of Contractors, and with license number: _____ Expiration: _____.

 (Place of Incorporation, if Applicable) (Principal)

 (Principal)

 (Principal)

I certify (or declare) under penalty of perjury under the laws of the State of California that the foregoing is true and correct.

(Signature of Bidder)

NOTE: If Bidder is a corporation, set forth the legal name of the corporation together with the signature of the officer or officers authorized to sign contracts on behalf of the corporation. If Bidder is a partnership, set forth the name of the firm together with the signature of the partner or partners authorized to sign contracts on behalf of the partnership.

Business Address: _____

Contractor's Representative(s): _____
(Name/Title)

(Name/Title)

(Name/Title)

Officers Authorized to Sign Contracts _____
(Name/Title)

(Name/Title)

(Name/Title)

Telephone Number(s): _____
(Area Code) (Number)

(Area Code) (Number)

Fax Number(s): _____
(Area Code) (Number)

(Area Code) (Number)

Date of Bid: _____

END OF SECTION

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DIVISION 1 GENERAL REQUIREMENTS

SECTION 01 1100

SUMMARY OF WORK

PART 1 - GENERAL

1.01 SUMMARY

A. Section includes Summary of Work and Work Restrictions including:

1. Work Covered By Contract Documents
2. Bid Item, Allowances and Alternates
3. Contract Document Organization
4. Maintenance
5. Work Under Other Contracts
6. Future Work
7. Work Sequence
8. Work Days and Hours
9. Shutdown for Discovery of Cultural Resources
10. Cooperation of Contractor and Coordination with Other Work
11. Partial Occupancy/Utilization Requirements
12. Contractor Use of Site
13. Air Quality Standards
14. Construction Staking, Monument Protection and Replacement
15. Geotechnical Data and Existing Conditions
16. Protection of Existing Structures and Underground Facilities
17. Permits
18. Actual Damages for Permit Violations
19. Reference Standards
20. Products Ordered in Advance
21. City-Furnished Products

1.02 WORK COVERED BY CONTRACT DOCUMENTS

- A. Work comprises of the construction of City's **Santa Fe Trackbed to Park Conversion Remediation, Demolition and Perimeter Fencing** located at **0 Parker St., 0 Carleton St., 0 Derby St., 0 Ward St.** **The Work includes, without limitation,** removal of contaminated soil left behind by the site's historic railroad use, demolition of existing encroaching structures, demolition and clearing of the site, import and installation of clean soil fill, construction of new fences along the property lines, **and other related site work.** Contract Documents fully describe the Work.
- B. The Work of this Contract comprises construction of all the Work indicated, described in the Specifications, or otherwise required by the Contract Documents. Unless provided otherwise in the Contract Documents, all risk of loss to Work covered by Contract Documents shall rest with Contractor until Final Acceptance of the Work. Cost of maintenance of systems and equipment prior to Final Acceptance will be considered as included in prices Bid and no direct or additional payment will be made therefore.
- C. For all Bid items, furnish and install all Work, including connections to existing systems, indicated and described in Specifications and all other Contract Documents. Work and requirements applicable to each individual Bid item, or unit of Work, shall be deemed incorporated into the description of each Bid item (whether Lump Sum or Unit Price). Any Bid item may be deleted from the Work and Contract Sum, in total or in part, prior to or after award of Contract without compensation in any form or adjustment of other Bid items or prices therefore.

- D. Allowance Work shall be done as Change Orders and as specified in Section 01 2600 (Modification Procedures). Identify Allowance Items (See Document 00 4113 [Bid Form]) work on the Progress Schedules and on Applications for Payment. The Amount given on Document 00 4113 (Bid Form) under each Allowance Item is the sum of money set aside for each Allowance Item. These amounts shall be included in the Contract Sum on the Bid Form. If the cost of Work done under any Allowance Item is less than the amount given on the Bid Form under that Allowance Item, the Contract Sum shall be reduced by the difference between the amount given in the Bid Form and the cost of Work actually done.

1.03 BID ITEMS, ALLOWANCES AND ALTERNATES

- A. Descriptions of Lump Sum Items (listed by Bid item numbers). Bid items shall include all labor, materials, services, and equipment necessary for the completion of the Work, including connections to existing systems:

1.01 Mobilization – Planning, resource acquisition, and setup before physical work. Work includes but is not limited to acquiring all necessary permits, notifying USA, nesting bird survey, tree protection, and installing temporary facilities.

1.02 Prepare and Implement SWPPP (Risk Level 2) – Submit an approved SWPPP with WDID #. Bid item includes inspection services per the approved SWPPP and submittal of all required documents to the State Water Board for the duration of construction including closeout procedures. Implementing specifications, including Section 01 5700 “Temporary Controls” and Section 01 7413 “Project Cleaning” of the General Requirements.

1.03 Traffic Control – Submit an approved Traffic Control and Staging Plan. Bid item includes implementation of measures in the approved Traffic Control and Staging Plan.

1.04 Dust Control – dust control as noted in the Final Removal Action Workplan and specifications.

1.05 Demobilization – Removing all personnel, equipment, materials, and temporary facilities from the site after project completion.

2.01 Demolition of 1410 Parker encroachments, including Construction Waste Management – demolition of 1410 Parker encroachments as noted in the plans and specifications. Bid item includes submitting an Approved Construction Waste Management and tracking waste on GreenHalo.

2.02 Demolition and Clearing of Site, including Tree Protection & Removal – Tree protection, tree removal, demolition and clearing of the site as noted in the plans and specifications.

2.03 Construction Staking – construction staking required to perform excavation work as noted in the plans, specifications, and Final Removal Action Workplan.

2.04 Removal of spoils containers (non-hazardous) – remove the 6 drums of soil cuttings and 1 drum of decontamination water stored at Parcel 1 (between Blake and Parker) that were generated during the soil investigation activities conducted at the Site per the specifications. Bid item excludes testing since the waste has already been tested and confirmed to be non-hazardous.

3.01 Shoring – shoring required to perform excavation work as noted in the plans, specifications, and Final Removal Action Workplan. Bid item includes submitting an approved Shoring Plan and obtaining the required permits.

3.04 Equipment and Vehicle Decontamination – equipment and vehicle decontamination as noted in the Final Removal Action Workplan and specifications including the requirements of the Site-Specific Health and Safety Plan (Appendix E of the Final Removal Action Workplan). Bid item includes the containment and collection of any water generated from the cleaning processes on Site.

3.05 Decontamination Wash Water Disposal (non-hazardous) – disposal of the decontaminated wash water as noted in the Final Removal Action Workplan and specifications including the requirements of the Site-Specific Health and Safety Plan (Appendix E of the Final Removal Action Workplan).

B. Descriptions of Unit Price Items and Basis of Measurement for Payment (listed by Bid item numbers):

3.02 Excavate Soil – excavating soil as noted in the plans, specifications, and Final Removal Action Workplan. Quantity is estimated based on the assumption of 1.4 tons per cubic yard. Bid item includes required safety measures as noted in the Removal Action Workplan and specifications including the requirements of the Site-Specific Health and Safety Plan (Appendix E of the Final Removal Action Workplan).

3.03 Load and Transfer Soil for Offsite Disposal (non-RCRA California Hazardous) – loading and transferring excavated soil for offsite disposal. Quantity is estimated based on the assumption of 1.4 tons per cubic yard. Bid item includes all necessary trucking and obtaining oversized load permits, if necessary.

4.01 Import and Place Soil, Soil Compaction – import clean soil and compact per the plans, specifications, and Final Removal Action Workplan. Quantity is estimated based on the assumption of 1.4 tons per cubic yard. Place Soil per the Landscape Material Plans and Compact per the specifications. Bid item includes submitting an Approved Clean Import Soil Product Data Submittal prior to delivering material to the site.

4.02 6-ft Chain Link Fence and Gates – 6-ft chain link fence and gates as noted in the plans and specifications including the requirements of specification section 32 3113 Chain Link Fence and Gates and other related specifications.

4.03 6-ft Wood Fence – 6-ft wood fence as noted in the plans and specifications including the requirements of specification section 06 2013 Exterior Finish Carpentry – Wood Fences and other related specifications.

4.04 6-ft Wood Fence atop Vertical Curb – 6-ft wood fence atop vertical curb as noted in the plans and specifications including the requirements of specification section 06 2013 Exterior Finish Carpentry – Wood Fences, 03 3000 Cast-In-Place Concrete, and other related specifications.

4.05 5-6 Chain Link Fence and Gates – 6-ft chain link fence and gates as noted in the plans and specifications including the requirements of specification section 32 3113 Chain Link Fence and Gates and other related specifications

C. Allowances

1. Scope of Allowances:

Waste Pre-characterization – this bid item is to provide an allowance for soil waste pre-characterization sampling should the selected waste facility require updated soil sampling results. The City has the option to accept, negotiate, approve, or reject any cost proposals for additional work requested. The City does not have an obligation to provide or approve of any additional work under this bid item allowance if standby construction services are not required under the term of this contract.

1.04 CONTRACT DOCUMENT ORGANIZATION

- A. The Drawings illustrate locations, arrangements, dimensions, and details to determine the general character of the Work. Parts not detailed shall be subject to the Architect's approval. Where reasonably inferable that a Drawing illustrates only part of a given work on a number of items, the remainder shall be deemed repetitious and so construed. Drawings of greater scale take precedence over Drawings of lesser scale. Do not scale documents.
- B. Drawings indicate general arrangement and location of such items as piping, conduit, apparatus, and equipment. Drawings and Specifications are for guidance of the Contractor and exact locations, distances, and levels will be governed by building site and actual building conditions. The Contractor shall make minor changes, as directed, to arrangements or locations shown in order to meet Structural or Architectural conditions.
- C. Specifications describe performances and qualities required of materials and of methods. Items listed under each Section of the Specifications are not necessarily all inclusive. The Contractor shall be responsible for the complete work.
- D. For convenience, Specifications are separated into topical divisions of work, each of which is further related to topical divisions under which it occurs. Such separation shall not be construed as an attempt by the Architect to establish limits of any agreements between the Contractor and his/her subcontractors.
- E. Portions of these Specifications are of abbreviated, simplified type and may include incomplete sentences.
 - 1. Omissions of words or phrases such as "the Contractor shall", "in conformity with", "shall be", "as noted on the Drawings", "in accordance with the details", "a", "the", "all", "any", and "each" are intentional. Omitted words or phrases shall be supplied by inference.
 - 2. Terms such as "approved", "or approved equal", "as directed", "as required", "as provided", "acceptable", and "satisfactory" mean by or to the Architect or the City.
 - 3. Furnish: The term furnish means supply and deliver to the Project Site, ready for unloading, unpacking, assembly, installation, and similar operations.
 - 4. Install: The term install describes operations at the Project Site, including the actual unloading, unpacking, assembly, erecting, placing, anchoring, applying, working to dimension, finishing, curing, protecting, cleaning, and similar ions.
 - 5. Provide: The term provide means to furnish and install, complete and ready for the intended use.
- F. Reference Standards
 - 1. For products specified by association or trade standards, comply with requirements of the standard except where more rigid requirements are specified or are required by applicable codes.
 - 2. The date of the standard is that in effect as of bid date except where specific date is specified

1.05 MAINTENANCE

- A. Cost of maintenance of systems and equipment prior to Final Acceptance will be considered as included in prices bid and no direct or additional payment will be made therefor.

1.06 WORK UNDER OTHER CONTRACTS

- A. Survey work to establish property lines

1.07 FUTURE WORK

- A. Construction of new community gardens, dog park, and playground.

1.08 WORK SEQUENCE

- A. Construct Work in stages and at times to accommodate City operation requirements during the

construction period; coordinate construction schedule and operations with City.

B. Special operational constraints include the following:

1. Retain fencing around the site at all times to the extent feasible

1.09 WORK DAYS AND HOURS

- A. Work Days and hours: Monday-Friday inclusive, **7:00 a.m.-5:00 p.m.** local time.
- B. Work at the Site on weekends or holidays is not permitted, unless Contractor requests otherwise from City in writing at least 48 hours in advance and City approves in its sole discretion.

1.10 SHUTDOWN FOR DISCOVERY OF CULTURAL RESOURCES

- A. If discovery is made of items of historical archaeological or paleontological interest, immediately cease all Work in the area of discovery. Archaeological indicators may include, but are not limited to, dwelling sites, locally darkened soils, stone implements or other artifacts, fragments of glass or ceramics, animal bones, human bones, and fossils. After cessation of excavation, immediately contact City. Do not resume Work until authorization is received from City. When resumed, excavation or other activities shall be as directed by City.

1.11 COOPERATION OF CONTRACTOR AND COORDINATION WITH OTHER WORK

- A. Coordinate with City and any City forces, or other contractors and forces, as required by Document 00 7200 (General Conditions).

1.12 PARTIAL OCCUPANCY/UTILIZATION REQUIREMENTS

- A. Allow City to take possession of and use any completed or partially completed portion of the Work during the progress of the Work as soon as is possible without interference to the Work.
- B. Possession, use of Work, and placement and installation of equipment by City shall not in any way evidence the completion of the Work or any part of it.
- C. Contractor shall not be held responsible for damage to the occupied part of the Work resulting from City occupancy.
- D. Make available, in areas occupied, on a 24 hour per day and 7 day per week basis if required, any utility services, heating, and cooling in condition to be put in operation at the time of occupancy.
 1. Responsibility for operation and maintenance of said equipment shall remain with Contractor.
 2. Make, and City shall certify, an itemized list of each piece of equipment so operated with the date operation commences.
 3. Itemized list noted above shall be basis for commencement of warranty period for equipment.
 4. City shall pay for utility cost arising out of occupancy by City during construction.
- E. Use and occupancy by City prior to acceptance of Work does not relieve Contractor of its responsibility to maintain insurance and bonds required under the Contract until entire Work is completed and accepted by City.
- F. Prior to date of Final Acceptance of the Work by City, all necessary repairs or renewals in Work or part thereof so used, not due to ordinary wear and tear, but due to Defective materials or workmanship or to operations of Contractor, shall be made at expense of Contractor, as required in Document 00 7200 (General Conditions).
- G. Use by City of Work or part thereof as contemplated by this Section 01 1100 shall in no case be construed as constituting acceptance of Work or any part thereof. Such use shall neither relieve Contractor of any responsibilities under Contract, nor act as waiver by City of any of the conditions thereof.
- H. City may specify in the Contract Documents that portions of the Work, including electrical and

mechanical systems or separate structures, shall be substantially completed on dates described in this Section 01 1100, if any, prior to Substantial Completion of all of the Work. Notify City in writing when Contractor considers any such part of the Work ready for its intended use and Substantially Complete and request City to issue a Certificate of Substantial Completion for that part of the Work.

1.13 CONTRACTOR USE OF SITE

- A. Access is available to the Site from **Blake Street, Acton Street, Parker Street, Carleton Street, Derby Street, and Ward Street**. Contractor shall insert Contractor's own lock in series and ensure that the entrance is locked at the end of each work day and at other times as may be necessary to control unauthorized entry.
- B. Confine operations at Site to areas permitted by Contract Documents, permits, ordinances, and laws. Do not unreasonably encumber Site with materials or equipment.
- C. Assume full responsibility for protection and safekeeping of products stored on premises. Move any stored products that interfere with operations of City or other contractor.
- D. Coordinate parking, storage, staging, and Work areas with City. City will review and approve the proposed storage area for Contractor's equipment and materials. Do not store construction materials in the dripline of any tree.
- E. Prior to commencement of Work or excavation, Contractor and City shall jointly survey the area adjacent to the Project area making permanent note and record of such existing damage such as cracks, sags or other similar damage. This record shall serve as a basis for determination of subsequent damage to structures, conditions or other existing improvements due to Contractor's operations. All parties making the survey shall sign the official record of existing damage. Cracks, sags or damage of any nature to the adjacent Project area, not noted in the original survey but subsequently noted, shall be reported immediately to City.
- F. The Contractor shall follow all city ordinances in force during the duration of this Contract.
- G. It is essential that the Contractor perform the Work with as little interference and disturbance as possible to the surrounding neighborhood.
- H. When suspect materials, outside the scope of Work, are encountered during the Work or restoration process, the Contractor shall immediately contact the Project Manager for evaluation and approval of the methods for dealing with the material.

1.14 AIR QUALITY STANDARDS

- A. Ensure that idling time for all heavy equipment is minimized to reduce on-Site emissions.
- B. Maintain equipment in good mechanical condition.
- C. Cover trucks hauling dirt.
- D. Limit dust emissions during periods of high winds (greater than 15 miles per hour).
- E. Replace ground cover in disturbed areas as soon as possible.
- F. Enclose, cover, water, or apply soil binders to exposed stockpiles.
- G. Remove earth tracked onto neighboring paved roads at least once daily.
- H. Limit equipment speed to 10 miles per hour in unpaved areas.

1.15 CONSTRUCTION STAKING, MONUMENT PROTECTION AND REPLACEMENT

- A. Notify City at least ten (10) Business Days prior to the need for initial staking. City will provide engineering surveys, City benchmarks, corner records, reference points, and/or monument cards that in City's judgment are necessary to establish site elevations for the Contractor to establish

construction stakes in order to enable Contractor to proceed with the Work.

- B. If Contractor finds any additional information is necessary, notify City in writing 2 Business Days in advance. City shall have no liability for any inadequacy unless Contractor notifies City and City fails to cure within 3 Business Days of such notice.
- C. Contractor shall be responsible for laying out the Work and provide all construction staking. Contractor shall replace or repair construction stakes at own expense.
- D. Contractor shall perform brush clearing and traffic control, as necessary, in City's sole judgment.
- E. The Contractor shall protect and preserve all existing survey monuments, benchmarks, reference points, property monuments and stakes.
- F. Whenever Contractor knows or reasonably should know that any Work activity is likely to damage or destroy any survey monuments, benchmarks, reference points, property monuments, or construction stakes, or require relocation because of necessary changes in grades or locations, provide at least 3 Business Days advance notice to City. Survey monuments, benchmarks, reference points and property monuments shall not be disturbed until authorized by the City.
- G. Whenever the Contractor disturbs or removes any survey monuments, benchmarks, reference points, or property monuments, the Contractor shall replace the monument in accordance with City Standard Plan 8090 or City Standard Plan 8091, as applicable. Standard Plans are available upon request. Monument casings (boxes and lids) shall be provided by the Contractor, and dome brass markers shall be supplied by the City.
- H. In the event that any non-referenced monuments become in danger of being disturbed due to construction, the Contractor shall cease the threatening activity and notify the City immediately. Response to endangered monuments is a priority call, and each monument shall be referenced in accordance with the City of Berkeley Monument Reference Guidelines, available upon request. In no case may an unreferenced monument be damaged during construction.
- I. Should any monument not designated for replacement sustain damage during construction, the Contractor shall bear the expense for rebuilding it as well as for the survey work the City survey crew or its survey consultant must perform in the process. In any instance where the City deems a damaged monument to be irreplaceable, the contractor shall be fined \$20,000 per monument.
- J. Monument replacement must be done in a neat, workman-like manner. Pavement cuts shall be accurate, with vertical cuts to exact dimensions as shown on the Standard Plans. Monument boxes and lids shall be placed at the proper finished grade and as detailed by Standard Plan 8090 or Standard Plan 8091. Existing monument lids shall be salvaged by the Contractor and delivered to the City.
- K. Each replacement monument shall be constructed such that the center of the dome brass marker is set within 0.04 foot of the referenced position. The new dome brass marker shall not receive final punching prior to seven (7) calendar days after completion of the monument construction.
- L. In any event, notify City whenever any survey monuments, benchmarks, reference points, or property monuments are lost or destroyed or require relocation because of necessary changes in grades or locations.
- M. If the City has elected to reference known monuments around or within the project site, a copy of the corner records for the referenced monuments shall be provided to the Contractor prior to the start of construction. For each monument that has been disturbed or removed, the replacement monument location(s) will be established by the City's survey crew or its survey consultant after final pavement is completed and upon request by the Contractor.
- N. All City of Berkeley Monuments located within the project area must be referenced, prior to work commencing, by a licensed land surveyor as required by Section 8771 of the Business and Professions Code. Corner Records of this work must be submitted for filing to both the County Surveyor of Alameda County, and the City of Berkeley, Public Works Department, Engineering

Division, Survey Section.

- O. Illegible survey requests or requests without proper notification (at least 3 Business Days in advance), may result in delayed response. No extension of Contract Time will be allowed due to such delays.

1.16 GEOTECHNICAL DATA AND EXISTING CONDITIONS

- A. Available Documentation: In accordance with, and subject to, the provisions of Document 00 3132 (Geotechnical Data and Existing Conditions), the following documentation is available for review. This information is not part of the Contract Documents.

1. **Supplemental Geotechnical Recommendations, Santa Fe Trackbed to Park Conversion Project**
Berkeley, CA
ENGEO
February 27, 2025
2. **Geotechnical Exploration, Santa Fe Trackbed to Park Conversion Project**
Berkeley, CA
ENGEO
November 18, 2022, Revised January 6, 2023

1.17 PROTECTION OF EXISTING STRUCTURES AND UNDERGROUND FACILITIES

- A. The Drawings may indicate existing above- and below-grade structures, drainage lines, storm drains, sewers, water lines, gas lines, electrical lines, hot water lines, and other similar items and Underground Facilities that are known to City. At least (2) two Business Days, or as otherwise noted, prior to commencement of excavation, notify the owners of the following Underground Facilities:
 1. **Water lines:** EBMUD
 2. **Sewer lines:** Berkeley Public Works Department
 3. **Telephone Conduit:** Telephone Provider
 4. **Cable:** Cable Provider
 5. **Electrical Lines:** PG&E
 6. **Gas Lines:** PG&E
- B. Where overhead service to a structure, known to receive service, does not exist, then underground service shall be assumed to exist.
- C. Attention is also directed to the existence of overhead power and telephone lines.
- D. Perform pot-holing by hand within 24 inches (in any direction) of the Underground Facilities. This may be done on an area-by-area basis, but shall be accomplished at least 7 calendar days in advance of the date of construction within such area.
- E. No attempt has been made to locate utilities on private property such as sprinkler irrigation systems or electrical conduits on the project site or adjacent property. Contractor is responsible for contacting all property owners as necessary, and locating and marking utilities in the vicinity of the work prior to construction.
- F. In addition to reporting, if a utility is damaged, Contractor must take appropriate action as provided in Document 00 7200 (General Conditions).
- G. Additional compensation or extension of time on account of utilities not indicated or otherwise brought to Contractor's attention including reasonable action taken to protect or repair damage shall be determined as provided in Document 00 7200 (General Conditions).

1.18 PERMITS

- A. Permits, agreements, or written authorizations that are known by City to apply to this Project are listed below:
1. City of Berkeley Building Permit
 2. Construction General Permit Storm Water Pollution Prevention Plan (SWPPP)
 3. Cal/OSHA Permit. Obtain, as applicable, permit(s) as required by Cal/OSHA for the following:
 - a. Construction of trenches or excavations that are five feet or more in depth and into which a person is required to descend.
 - b. Construction or demolition of any building, structure, or scaffolding for falsework more than three stories high, or the equivalent height (36 feet).
 - c. Erection or dismantling of vertical shoring systems more than three stories high, or the equivalent height (36 feet).
 4. The local Cal/OSHA district office is located at:
CAL/OSHA Headquarters
1515 Clay Street, Suite 1303
Oakland, CA 94612
(510) 622-2916
- B. All other permits that may be required, such as electrical, mechanical, fire prevention, irrigation, grading, slope protection, tree cutting, etc., have not been applied for and shall be obtained by Contractor. Applicable permit fees will be reimbursed to the extent specified in Document 00 7200 (General Conditions).

1.19 ACTUAL DAMAGES FOR PERMIT VIOLATIONS

- A. In addition to damages which are impracticable or extremely difficult to determine, for which liquidated damages will be assessed as described in Document 00 5200 (Agreement) and Document 00 7200 (General Conditions), City may incur actual damages, including fines imposed by any regulatory agency, resulting from **loss of use, or from** use in violation of legal or regulatory requirements where the violations result from Contractor's activities. Continuous operation in compliance with legal or regulatory requirements is essential to avoid discharges that would violate applicable regulations. Violations or threatened violations may subject City to fines and/or other costs or civil liabilities.
- B. Contractor shall be liable for and shall pay City the amount of any actual losses in addition to liquidated damages or other remedies provided by the Contract Documents.
- C. The amount of liquidated damages provided in Document 00 5200 (Agreement) and Document 00 7200 (General Conditions) is not intended to include, nor does the amount include, any damages incurred by City for reasons other than those listed in that paragraph. Any money due or to become due to Contractor may be retained by City to cover both the liquidated and the actual damages described above and, should such money not be sufficient to cover such damages, City shall have the right to recover the balance from Contractor or its sureties.

PART 2 - PRODUCTS

2.01 REFERENCE STANDARDS

- A. For products specified by association or trade standards, comply with requirements of standard, except where more rigid requirements are specified or are required by applicable codes.

2.02 PRODUCTS ORDERED IN ADVANCE

- A. As provided in Document 00 7200 (General Conditions) and Section 01 2000 (Measurement and Payment), and subject to all other provisions of the Contract Documents, City will pay for the

following materials and equipment prior to incorporation into the Work as long as the receipt is submitted with the pay application:

1. N/A

PART 3 - EXECUTION – NOT USED

END OF SECTION

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DIVISION 2 EXISTING CONDITIONS

SECTION 02 4119

DEMOLITION

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

- A. FINAL REMOVAL ACTION WORKPLAN, prepared for City of Berkeley by GSI Environmental Inc., issued October 29, 2025.

1.02 RELATED SECTIONS

- A. Earthwork: Section 31 2000

1.03 SCOPE OF WORK

- A. Furnish all labor, materials, tools and equipment necessary for selective site demolition as indicated on the plans and as specified herein; including components and accessories required for a complete demolition, including but not limited to the following components:
 - 1. Removal of all on-site improvements as shown or required to accommodate new work, including but not limited to the following:
 - a. Contaminated soil.
 - b. Limbs pruned at existing plants.
 - c. Chain link fence and wire
 - d. Concrete paving
 - e. Underground utilities
 - f. Trees and stumps
 - g. Clearing and grubbing
 - h. Miscellaneous items as shown on plans
 - 2. Removal of all debris and waste existing on site or caused by work of this Contract.
 - 3. Repair of all damage to permanent construction shown or directed to remain in place.

1.04 CODES AND STANDARDS

- A. Conduct demolition work in accordance with the applicable safety requirements of the California Administrative Code, Title 19, the latest construction safety orders of the Division of Industrial Safety, State of California, the Associated General Contractors' Manual of Accident Prevention in Construction, latest edition.

1.05 REFERENCES

- A. ANSI A10.6 Safety and Health Program Requirements for Demolition Operations.
- B. NFPA 241 Standard for Safeguarding Construction, Alteration, and Demolition Operations.

1.06 PERMITS AND LICENSES

- A. Procure all City, County and State permits and licenses, including municipal business license, in accordance with General Conditions. Give all notices necessary and incidental to the due and lawful execution of the work.
- B. Conform to all Federal, State, and local ordinances relating to the protection of the public, Contractor's personnel, and the flow of traffic.

- C. Review FINAL REMOVAL ACTION WORKPLAN for additional permit and licensing requirements.

1.07 DEFINITIONS

- A. The "Owner's Representative" is the person, appointed by the Owner, to represent their interests. The Owner's Representative will be on site frequently and regularly during construction. Where needed, the Owner's Representative will identify the need for field visits by the landscape architect or other consultants.
- B. Abandon: Detach from all connecting structures or pipelines and leave in place, below grade only. In the case of utility lines, cap or otherwise plug all connections with lines to remain in service and fill or plug the section(s) to be abandoned in accordance with these specifications.
- C. Demolish: Completely remove and legally dispose of off-site at a location and route approved by Owner's Representative and City of Berkeley.
- D. Construction Waste: Building and site improvement materials and other solid waste resulting from construction, remodeling, renovation, or repair operations. Construction waste includes packaging.
- E. Demolition Waste: Building and site improvement materials resulting from demolition or selective demolition operations.
- F. Disposal: Removal off-site of demolition and construction waste and subsequent sale, recycling, reuse, or deposit in landfill or incinerator acceptable to authorities having jurisdiction.

1.08 MATERIAL OWNERSHIP

- A. Unless otherwise indicated, demolition waste becomes property of Contractor.
- B. On-site storage or sale of removed items or materials is not permitted.

1.09 SUBMITALLS

- A. Proposed Protection Measures: Submit informational report, including drawings, that indicates the measures proposed for protecting individuals and property, for environmental protection, for dust control and, for noise control. Indicate proposed locations and construction of barriers.
- B. Adjacent Buildings: Detail special measures proposed to protect adjacent buildings to remain.
- C. Provide schedule of proposed selective demolition activities including: proposed start and end dates of each activity, interruption of utility services, coordination with Owner's continued operations of adjacent facilities.
- D. Closeout submittal: Provide As-Built drawings indicating location, material and size of buried utilities, appurtenances, pipes, conduit and structures that were relocated, capped, abandoned in place, or otherwise left to remain on the site below grade.

1.10 QUALITY ASSURANCE

- A. Regulatory Requirements: Comply with governing regulations before beginning demolition. Comply with hauling and disposal regulations outlined in FINAL REMOVAL ACTION WORKPLAN.
- B. Standards: Comply with ANSI A10.6 - Safety and Health Program Requirements for Demolition Operations, and NFPA 241 - Standard for Safeguarding Construction, Alteration, and Demolition Operations.

PART 2 - PRODUCTS

2.01 MATERIALS

- A. Fill Materials: Shall be as specified in Section 31 2000, Earthwork.

PART 3 - EXECUTION

3.01 GENERAL

- A. All work to comply with FINAL REMOVAL ACTION WORKPLAN, prepared for City of Berkeley by GSI Environmental Inc., issued December 16, 2024.

3.02 EXAMINATION

- A. The Contractor is responsible for field locating all existing conditions including underground utilities in the area of work, regardless of whether or not they are indicated on the plans or other record drawings.
- B. Should uncharted or incorrectly charted existing utilities be identified, Contractor shall contact the Engineer immediately for instructions. Provide a scale drawing with the location and any additional information discovered regarding the uncharted utility.
- C. Verify which utilities will need to be disconnected and capped before starting demolition operations.
- D. Survey existing conditions and correlate with requirements indicated to determine and mark extent of selective demolition. Clearly mark in the field items with the area that are to be protected in place.
- E. Where existing conditions conflict with representations of the Contract Document, notify the Owner's Representative and obtain clarifications. Do not perform work affecting the conflicting conditions until clarification of the conflict is received.

3.03 PREPARATION

- A. Obtain all necessary permits for the demolition and site preparation work.
- B. Examine area affected by work to verify the following:
 - 1. Required access and utility disconnection procedure if required.
 - 2. Existing conditions are as generally represented by the contract documents.
 - 3. Planned sequence of work fits actual field conditions.
- C. Existing Utilities: Locate, identify, disconnect, and seal or cap off all utilities serving buildings and structures to be demolished unless otherwise indicated on the Drawings.
 - 1. Do not interrupt existing utilities serving adjacent occupied or operating facilities unless authorized in writing by the Owner and authorities having jurisdiction.
 - 2. If removal, relocation, or abandonment of utility services will affect adjacent occupied buildings, then provide temporary utilities that bypass buildings and structures to be demolished and that maintain continuity of service to other buildings and structures. Provide minimum 72-hours' notice to occupants of affected buildings if shutdown of service is required during changeover.
- D. Verify that the area to be demolished has been vacated and/or adequate space is made available to perform the work.
- E. Mark cutting work and coordinate any work for which cutting is required.

3.04 PROTECTION

- A. Site Access and Temporary Controls: Conduct building demolition and debris-removal operations to ensure minimum interference with roads, streets, walkways, and other adjacent occupied and used facilities.
 - 1. Do not close or obstruct streets, walks, walkways, or other adjacent occupied or used facilities without permission from Owner and authorities having jurisdiction. Provide alternate routes around closed or obstructed traffic ways if required by authorities having jurisdiction.
- B. Dust Control: During demolition work, provide effective dust control by approved means. Excessive blowing dust and debris will not be permitted at any time.
 - 1. Follow additional Dust Control Measures outlined in FINAL REMOVAL ACTION WORKPLAN
- C. Existing Facilities to Remain: Protect adjacent walkways, landscape to remain, building entries, and other building facilities during demolition operations.
- D. The Contractor shall maintain all temporary barriers around open excavations or other hazardous conditions as long as the hazard exists. Remove temporary barriers and protections where hazards no longer exist.

3.05 DEMOLITION OF EXISTING FACILITIES

- A. Completely clear the site of all existing improvements, vegetation and surface treatments, as required to permit construction of proposed improvements.
- B. Utilities:
 - 1. Where utility removal is shown on the Drawings, excavate to expose existing utility, remove section of pipe/conduit indicated. Cap section of pipe/conduit to remain. Mark capped end of utility with stake, rebar, or Surveyor's marker.
 - 2. Provide thrust block or mechanical restraints where dead end is created on pressurized pipe systems.
 - 3. Included in demolition are any appurtenances associated with the removed pipe.
 - 4. All utilities within the footprint of the remediation excavation shall be removed in their entirety.
- C. Concrete Pavement, Walks and Curbs:
 - 1. Remove concrete pavement and walks to the nearest joint. Saw cut concrete if joints are not present adjacent to the area of demolition.
 - 2. Saw cut concrete along straight lines to a depth of not less than 2 inches. Break out remainder of concrete, provided that the broken area is concealed in the finished work, and the remaining concrete is sound. At locations where the broken face cannot be concealed, grind smooth or saw cut entirely through concrete.
- D. If unknown items such as human remains are encountered, stop operations immediately and notify Owner's Representative.

3.06 REPAIRS

- A. Promptly repair damage to adjacent buildings or facilities caused by demolition operations to match condition and appearance of adjacent undamaged work.

3.07 EXCAVATION

- A. All removed asphalt, concrete and miscellaneous materials will become the property of the Contractor, unless specifically directed otherwise by the Owner, and shall be properly disposed of per the FINAL REMOVAL ACTION WORKPLAN

3.08 DISPOSAL

- A. Follow all disposal measures outlined in FINAL REMOVAL ACTION WORKPLAN.
- B. Remove from site daily all debris and waste resulting from the work. Do not let material accumulate.
- C. Dispose of all material removed (crushed stone, broken concrete, rubble and similar material) as specified in the FINAL REMOVAL ACTION WORKPLAN
- D. The off-site disposal area is the responsibility of the Contractor. Arrange for and pay all fees, permits and other cost for disposal, etc.
- E. Comply with all local and state laws and regulations governing hauling and the prevention of spillage on streets and adjacent areas.

3.09 FILL

- A. Fill to comply with all requirements listed in FINAL REMOVAL ACTION WORKPLAN and Section 31 2000, Earthwork.

3.10 CLEANUP

- A. Clean adjacent structures and improvements of dust, dirt, and debris caused by building demolition operations. Return adjacent areas to condition existing before building demolition operations began.

3.11 FIELD QUALITY CONTROL

- A. The Owner's Representative and Architect will accompany the Contractor before and after performance of work to observe physical conditions of existing structures or improvements involved.

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DIVISION 31 EARTHWORK

SECTION 31 2000

EARTHWORK

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.
- B. Additional information concerning earthwork may be found in the SUPPLEMENTAL GEOTECHNICAL RECOMMENDATIONS by ENGEO Incorporated titled "SANTA FE TRACKBED TO PARK CONVERSION PROJECT" dated February 27, 2025. All requirements of this report shall be followed unless noted otherwise.
- C. FINAL REMOVAL ACTION WORKPLAN, prepared for City of Berkeley by GSI Environmental Inc., issued October 29, 2025.

1.02 SUMMARY

- A. Section Includes:
 - 1. Soil Materials
 - 2. Dewatering
 - 3. Excavation
 - 4. Backfilling and Compacting
- B. Related Sections:
 - 1. Demolition: Section 02 4119
- C. Definitions:
 - 1. Backfill: Material used to fill an excavation.
 - 2. Dewatering: Removal of all standing water as well as water seeping into an excavation to maintain conditions suitable to continue the Work. Dewatering activities normally include over-excavation and placement of drain rock within an excavation to support required activities and/or equipment. The Contractor is responsible to maintain conditions suitable for the ongoing work.
 - 3. Foundation Rock Fill: Coarse, well-draining rock used to fill over-excavated areas, particularly in soft soils or where groundwater may be present, to bring the grade up to indicated elevation. Also referred to as "Drain Rock".
 - 4. Imported Fill: Suitable material that must be hauled in from off-site borrow areas.
 - 5. Engineered Fill: Soil excavated from site or imported which conform to the requirements for fill material contained in geotechnical report for this project.
 - 6. Subgrade: Top of the excavated or filled ground surface immediately below hardscape pavement sections, which include the aggregate base and/or drain rock layers underlying the surface pavement.
 - 7. Suitable Material: Soil material that meets the required specifications for its intended purpose as described in this Specification and on the Drawings.

8. Native Backfill: Native Soil that has been excavated on-site, identified as meeting the requirements for use as a backfill material. It has had all organic material, rocks of unacceptable size, and any other deleterious material removed, and protected from contamination while being stockpiled on site.

1.03 REFERENCES

- A. American Association of State Highway and Transportation Officials:
 1. AASHTO T180 (2020) - Standard Specification for Moisture-Density Relations of Soils Using a 4.54-kg (10-lb) Rammer and a 457-mm (18-in.) Drop.
- B. ASTM International:
 1. ASTM D422 (2007) - Standard Test Method for Particle-Size Analysis of Soils.
 2. ASTM D698 (2012) - Standard Test Method for Laboratory Compaction Characteristics of Soil Using Standard Effort (12,400 ft-lbf/ft³ (600 kN-m/m³).
 3. ASTM D1556 (2015) - Standard Test Method for Density and Unit Weight of Soil in Place by the Sand-Cone Method.
 4. ASTM D1557 - Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Modified Effort (56,000 ft-lbf/ft³ (2,700 kN-m/m³).
 5. ASTM D2167 (2015) - Standard Test Method for Density and Unit Weight of Soil in Place by the Rubber Balloon Method.
 6. ASTM D4318 (2017) - Standard Test Methods for Liquid Limit, Plastic Limit, and Plasticity Index of Soils.
 7. ASTM D6938 (2017) - Standard Test Methods for In-Place Density and Water Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)

1.04 SUBMITTALS

- A. Submittal procedure shall be as outlined in Division 1 - GENERAL REQUIREMENTS. Submittals will be required for all imported materials to be used in the prosecution of work described in this Section. No imported materials shall be brought on site prior to approval by the Landscape Architect. On-site borrow materials suitable for use on this project will be identified in the field by the Landscape Architect.
- B. Samples: Submit, in air-tight containers, 10 lb sample of each type of fill to testing laboratory.
- C. Materials Source: Submit name of imported fill materials suppliers.
- D. Submittals for engineered fill borrow material shall consist of a representative sample of the proposed material for evaluation by the Engineer, and a certified gradation analysis.
- E. Submit samples of import fill materials to Geotechnical Engineer at least 72 hours prior to delivery at the site.
- F. Submit all field and laboratory testing to the Engineer.

1.05 QUALITY ASSURANCE

- A. Perform work in accordance with:
 1. State of California Business and Transportation Agency, California Department of Transportation (CDT, Caltrans) "Standard Specifications" (Caltrans Standard Specification)
 2. State of California Code of Regulations (CCR)
 3. State of California Construction Safety Orders, Latest Edition (CAL/OSHA)

4. City of Berkeley Department of Public Works, Standards and Specifications and Drawings, latest edition.
 5. Any other agencies having jurisdiction
- B. Soil Testing:
1. A Geotechnical Engineer (licensed in the state in which the work is being performed) shall be retained by the Owner to provide compaction testing and inspection as needed to ensure proper material placement during all earthwork operations,
 2. Test results will be distributed in compliance with Division 01 Specifications or Contractor's Terms and Conditions with the Owner.
- C. Maintain one copy of each document on site.

1.06 DELIVERY, STORAGE, AND HANDLING

- A. All Delivery, Storage and Handling of on-site excavated and imported materials shall comply with FINAL REMOVAL ACTION WORKPLAN, prepared for City of Berkeley by GSI Environmental Inc., issued December 16, 2024.
- B. On-site excavated and imported materials shall be stockpiled at a location or locations designated by the Owner, so as not to damage existing improvements, landscaping, or trees, or interfere with traffic and pedestrians. All soils materials, stockpiled on site shall be protected from excessive moisture, including from rain or surface sources.
- C. All soil materials stockpiled on site shall be protected from erosion and discharge to drainage structures. Soils shall also be protected from wind erosion.
- D. Stockpiled materials of different types shall be maintained separately and not allowed to mix.
- E. Take all means necessary to control dust and noise on and near the project site in accordance with applicable requirements of the local authority having jurisdiction.
- F. Surplus Materials:
1. All excavated soil materials that are judged unsuitable for use as engineered or non-engineered fill, as well as all suitable material not needed for fill or slope modifications, shall become the property of the Contractor and be disposed of offsite.
 2. All construction materials and debris encountered in preparing the project site for filling and grading shall become the property of the Contractor, who shall properly dispose of them offsite.

1.07 PROJECT CONDITIONS

- A. Review the project geotechnical report for the following:
1. The material to be used for the proposed work.
 2. Ground water elevations.
- B. Environmental Requirements:
1. Comply with the project SWPPP.
 2. When unfavorable weather conditions necessitate interrupting filling and grading operations, prepare areas by grading and surface compaction as necessary to avoid collection of water.
 3. Provide adequate temporary drainage to prevent erosion.
 4. After interruption, reestablish specified compaction in last layer placed before resuming work.

- C. Locate active utilities within the vicinity of the proposed work and protect from damage throughout project construction.
 - 1. Where existing utilities not shown on the Plans are encountered; support, shore, and protect them and immediately notify the Owner. Existing utilities may be interrupted only with the Owner's written approval.
 - 2. It is the Contractor's responsibility to supplement the utility information shown on the Plans by scheduling the field location of all existing utilities by a utility locating service before beginning construction.
 - 3. Where existing utilities conflict with or could potentially be damaged by proposed construction, Contractor shall locate by hand digging prior to performing major excavation.
- D. Protections of open excavations.
 - 1. Comply with requirements of Section 01 5200 - TEMPORARY FACILITIES .
 - 2. It is the Contractor's responsibility to safeguard his employees and the public from hazards related to open trenches or excavations, per the requirements of Division 01.
- E. Protection of Subgrade
 - 1. Do not allow construction equipment to pump or rut prepared subgrade, stripped areas, or footing excavations. Consult Geotechnical Engineer for allowable temporary measures as needed.
- F. The sequence of operations must be reviewed and approved by the Engineer prior to
 - 1. commencement of any work by the Contractor. Coordinate operations with other construction activities, such as relocation of existing utilities.

PART 2 - PRODUCTS

2.01 MATERIALS

- A. General Requirements:
 - 1. All imported materials shall comply with requirements listed in FINAL REMOVAL ACTION WORKPLAN, prepared for City of Berkeley by GSI Environmental Inc., issued December 16, 2024.
 - 2. All soil materials shall be subject to acceptance by the Geotechnical Engineer.
 - 3. Notify the Owner's Representative at least 7 days in advance of any imported fill material that requires testing from the borrow area.
- B. Foundation Rock Fill: Foundation Rock Fill shall consist of Caltrans Class 2 Permeable Material.
- C. Imported Fill: Imported fill shall be free of organic matter and debris, which does not exhibit excessive shrinkage or swelling behavior when subjected to changes in water content, have a maximum Plasticity Index less or equal to that of onsite soil and have at least 20 percent passing the No.200 sieve. Sample of soil shall be tested at least 72 hours prior to delivery to the site.
- D. Imported Fill for Planting Areas: Imported fill for use in planting areas shall be sandy loam weed free soil. Submit analysis from certified Soil and Plant Lab.
- E. Topsoil: Where the composition of imported topsoil is not specified on the Plans or in the landscape specifications, it shall consist of a uniform mix of sand, silt and viable organic matter. On-site topsoil shall consist of stockpiled material obtained from excavation of the upper 6 inches of soil within vegetated areas on the existing site.

PART 3 - EXECUTION

3.01 PREPARATION

- A. General: Do not begin clearing work until temporary fences, warning signs and other pedestrian control devices are installed.
- B. Existing Subsurface Utilities: Existing facilities are shown on the plans to help the Contractor avoid damage to essential utilities which must remain in service. If the Contractor discovers underground facilities not indicated on the plans or in a location different from that indicated on the plans, protect such facilities from damage and notify the City's Representative immediately.

3.02 DEWATERING

- A. Provide dewatering systems to:
 - 1. Lower water table within areas of excavation to minimum 1 foot below bottom of excavation to permit Work to be completed on dry and stable subgrade.
 - 2. Relieve hydrostatic pressures in confined water bearing strata below excavation to eliminate risk of uplift or other instability of excavation.
 - a. Prevent damage to adjacent properties, buildings, structures, utilities, and facilities from construction operations.
 - b. Prevent loss of fines, quick condition, or softening of foundation subgrade.
 - c. Maintain stability of sides and bottoms of excavations and trenches, face/walls/bottoms of tunnels, and sides and bottoms of shafts.

3.03 EXCAVATION AND SHORING

- A. Conduct excavations, trenching, and shoring in accordance with Cal/OSHA requirements.
- B. Grading and construction activities and any below-grade excavations should be benched or sloped in accordance with OSHA requirements. For construction planning purposes, the site soil would generally be classified as Type C soil by OSHA criteria.
- C. Where shoring is to be implemented for excavation support, the shoring must accommodate surcharge loads that may be imposed by adjacent buildings or structures, traffic, soil stockpiles, or other construction-related activities. If the shoring cannot be designed to accommodate the building or structures loads, the structure should be underpinned with the underpinning extending below an imaginary 1:1 plane from the underpinning to the bottom edge of the excavation. Measures should be taken, as necessary, to protect adjacent structures from undermining due to excavation. The contractor should be responsible for assessing locations and grades of adjacent foundations and devise underpinning and shoring schemes.
- D. Such shored excavations will be subjected to lateral earth pressures. The shoring system should be designed in accordance with the California Department of Transportation's "Trenching and Shoring Manual" or equivalent design manual; we recommend that the shoring design package be a required pre-construction submittal for review by the owner's design team. We recommend shoring adjacent to buildings be designed with as-rest earth pressure coefficients.

| Slope Conditions Behind Wall | Active Earth Pressure (pcf) | At-Rest Earth Pressure (pcf) | Passive Earth Pressure (pcf) |
|------------------------------|-----------------------------|------------------------------|------------------------------|
| Level | 45 | 65 | 300 |

- E. Do not interfere with 45 degree bearing splay of foundations.
- F. Grade top perimeter of excavation to prevent surface water from draining into excavation.
- G. Trim excavation. Remove loose mat.

- H. Remove lumped subsoil, boulders, and rock up to 1/3 cu yd measured by volume.
- I. Notify Architect of unexpected subsurface conditions.
- J. Correct areas over excavated with suitable material and as directed by Owner's Representative.
- K. Remove excess and unsuitable material from site.
- L. Repair or replace items indicated to remain, damaged by excavation.

3.04 BACKFILLING AND COMPACTING

- A. Backfill areas to contours and elevations with approved backfill material.
- A. Do not backfill over porous, wet, frozen, or spongy subgrade surfaces.
- B. Scarify the bottom of the excavation to a depth of 8 inches, moisture condition, and recompact to provide adequate bonding with the initial lift of fill.
- C. Place fill in loose lifts that do not exceed 12 inches, or the depth of penetration of the compaction equipment used, whichever is less.
- D. Fill and compact per the following compaction and moisture content requirements. (Landscape fill compaction and moisture content recommendations are intended to be used for the top 2 feet of fill placed on landscape areas.)

| Fill Location | Minimum Relative Compaction (%) | Minimum Moisture Content* (percentage points above optimum moisture content) |
|------------------------------------|---------------------------------|--|
| Approved Backfill Material (PI<30) | 90 | 3 |
| Caltrans Class 2 Aggregate Base | 95 | 0 |
| Landscape Fill (Upper 2 Feet) | 85 | 0 |

*Maximum density and optimum moisture content based on ASTM D1557

- E. Employ placement method that does not disturb or damage other work.
- F. Maintain optimum moisture content of backfill materials to attain required compaction density.
- G. Do not backfill against unsupported foundation walls.
- H. Make gradual grade changes. Blend slope into level areas.
- I. Remove surplus backfill materials from site.
- J. Leave fill material stockpile areas free of excess fill materials.

3.05 GRADING

- A. General: Uniformly grade areas to a smooth surface, free of irregular surface changes. Comply with compaction requirements and grade to cross sections, lines, and elevations indicated.
- B. Site Rough Grading: Slope grades to direct water away from buildings and to prevent ponding. Finish subgrades to required elevations within the following tolerances:
 - 1. Top Surface of Subgrade: Plus or minus 1/10 foot from required elevation.
- C. Compaction: After grading, compact subgrade surfaces to the depth and percentage of maximum density for each area classification.

3.08 FIELD QUALITY CONTROL

- A. Section 01 4500 - TESTING AND INSPECTION, Section 01 7700 - CONTRACT CLOSEOUT and 01 7800 CLOSEOUT SUBMITTALS: Field inspecting, testing, adjusting, and balancing.
- B. Perform laboratory material tests in accordance with ASTM D1557, ASTM D698, or AASHTO T180, as applicable.

- C. Testing Agency Services: Allow testing agency to inspect and test each subgrade and each fill or backfill layer. Do not proceed until test results for previously completed work verify compliance with requirements.
- D. Perform in place compaction tests in accordance with the following:
 - 1. Density Tests: ASTM D1556, ASTM D2167, or ASTM D6938, whichever is applicable.
 - 2. Moisture Tests: ASTM D6938.
- E. When tests indicate Work does not meet specified requirements, remove Work, replace and retest.
- F. Frequency of Tests as determined by Geotechnical Engineer:

3.09 PROTECTION

- A. Section 01 7700 - CONTRACT CLOSEOUT and CLOSEOUT SUBMITTALS : Protecting finished work.
- B. Protect newly graded areas from traffic and erosion. In unpaved areas without landscaping, cover with straw erosion control blanket. Follow manufacturer's recommendations for installation. Provide and place straw wattles or biodegradable fiber logs across the slope at the midpoint and along the downhill edge of site. No soil is to be left uncovered at the completion of construction. Keep free of trash and debris.
- C. Reshape and re-compact fills subjected to vehicular traffic.

END OF SECTION

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APPENDIX D

Tentative Schedule

Tentative Schedule

(Dates Subject to Change)

| | |
|---------------------------------------|-------------------|
| Bid Advertisement | October 31, 2025 |
| Non-Mandatory Pre-Bid Conference | November 13, 2025 |
| Bid Opening | December 18, 2025 |
| Notice of Intent to Award | January 8, 2026 |
| Award | February 10, 2026 |
| Contract Documents Due | February 20, 2026 |
| Executed Contract (Notice to Proceed) | March 9, 2026 |
| Substantial Completion | June 29, 2026 |
| Final Completion | July 13, 2026 |