

**DOCUMENT 00 9113**

**ADDENDUM NO. 2  
10/28/22**

**SPECIFICATION NO. 22-11418-C**

**CITY OF BERKELEY**

**OHLONE PARK (EAST) PLAYGROUND REPLACEMENTS AND SITE IMPROVEMENTS**

**1933 HEARST STREET BERKELEY, CA 94709**

The following clarifications are hereby made to the subject documents:

Project Plans

1. Replace the following sheets with updated sheets:
  - a. Sheet T-1.0 dated 10/28/22 – Added Alternate 3.
  - b. Sheets C-3.0 and C-3.1 dated 10/28/22 – Revised demolition items 8 and 9.
  - c. Sheet C-5.0 dated 10/28/22 – Revised sidewalk drain with 24'x24' sectional drain box.
  - d. Sheet C-6.0 dated 10/28/22 – Revised sidewalk underdrain detail and inserted 24'x24' sectional drain inlet detail.
  - e. Sheet L-2.0 dated 10/28/22 – Revised Schedule of Materials and Site Furnishings.
  - f. Sheet L-2.1 dated 10/28/22 – Added note to specify location of alternate 3.
  - g. Sheet L-4.0 dated 10/28/22 – Revisions to details 3, 4, 5, and 7.
  - h. Sheet L-4.2 dated 10/28/22 – Revisions to chainlink fence 42" tall detail.
  - i. Sheet L-6.1 dated 10/28/22 – Removal of previous note 12.
  - j. Sheet L-6.0 dated 10/28/22 – Revised symbol K-03 to K-02.
  - k. Sheet L-7.0 dated 10/28/22 – Added spacing of ground cover and mulch depth.

Project Manual

1. Add the following language:
  - a. Document 00 1113, 1.01, Add:  
\*\*\*Drop off bids in the 1st floor lobby of 2180 Milvia Street with Security. Public bid openings will take place in the 1st floor courtyard. Staff will be present to direct the bidders to the bid opening, and staff will be in the lobby beginning 15-20 minutes prior to the bid opening. Attendees at any public bid opening shall maintain recommended social requirements, such as maintaining face coverings and separation (six feet minimum), for the duration of the meeting.\*\*\*
2. Replace the following language:
  - a. Document 32 8400 Irrigation, 2.08A, replace:  
  
"2. Valves shall be Leemco Model #LGT-SS or approved equal. Size as shown on the drawings"  
  
With  
  
"2. Valves shall be **Nibco T113-k** or approved equal. Size as shown on the drawings"

b. Document 32 8400 Irrigation, 3.04B, replace:

“6. When two pipes are to be placed in the same trench, maintain a 6-inch space between pipes as minimum.”

With

“6. When two pipes are to be placed in the same trench, maintain a **4**-inch space between pipes as minimum.”

c. Document 32 8400 Irrigation, 3.016, replace:

“A. Continuously maintain irrigation system in areas indicated in the Contract during the progress of work and for a period of 90 days after substantial completion.”

With

“A. Continuously maintain irrigation system in areas indicated in the Contract during the progress of work and for a period of **120** days after substantial completion.”

Questions and Responses:

1. What is the Engineer’s estimate?

Response        \$940,000

2. How much is allowed for liquidated damages per day?

Response        For liquidated damages, refer to Article 4 of section 00 5200 and Article 4 of the City of Berkeley Community Workforce Agreement provided as Appendix A in the Project Manual.

3. Section 01 1100, part 1.3D indicates (3) bid alternates. However, no alternates are shown on the schedule of bids. Please advise.

Response        Bid alternate prices shall be included in the Additive Alternates table provided on 00 4113-5 in the Project Manual.

4. Please provide the location of Alternate No. 3 – Sand and paint existing light posts.

Response        Existing light posts are noted on sheet L-2.1 as “(E) ELECTRIC POST TO BE PROTECED IN PLACE”. Note has been added to clarify these are the locations of alternate 3.

5. What is the depth of the existing sand at the existing playgrounds?

Response        The site is open and accessible to the public. Contractor shall visit the site and confirm any measurements or quantities.

6. On sheet C-3.0, demolition item numbers 8 and 9 note to salvage existing bench and drinking fountain. Please provide the location of where salvaged items can be stored.

Response        Existing bench and drinking fountain shall be demolished. Please see revised sheet C-3.0. Other salvaged items shall be stored at a location to be determined and coordinated with the Owner’s representative.

7. Will the Contractor be able to stage equipment and materials on-site? Please provide a stockpile or staging location for this project.

Response The Contractor may stage equipment and materials on site as much as practicable in order to complete the work, but will be required to have all storm water pollution prevention measures in place and restore any disturbed site conditions in kind or better. All areas to be used shall be reviewed for approval by the City's representative.

Contractor is responsible to confine operations at Site and will assume full responsibility for protection and safekeeping of products stored on premises. Any storage of equipment and material on-site shall be within construction fencing limits.

8. Please provide a geotechnical report, if available.

Response Geotechnical Report is available for download at the clickable link below:  
<https://www.dropbox.com/sh/o0clwf6mtgqsx95>

9. What are the size of the existing trees noted as to be removed on sheet L-1.0?

Response Diameter at chest height are noted for all trees on the plans. For example, the syzgium pniculatum tree on the southwest corner of the site is 36" diameter at chest height.

10. Are sleeves required for drainage pipes? If yes, what are the requirements for drainage pipe sleeves?

Response 8" galvanized steel pipe sleeves are required for drainage pipes penetrating through concrete curbs, walls or any other concrete barrier.

11. What bid items are supposed to cover the costs related to play sand, P.I.P. rubber with EWF on top, log (salvaged) and wall?

Response Refer to section 01 1100, Paragraph 1.03 for descriptions of lump sum items, and refer to technical specification summary sections for clarity on what is included. Bid alternates shall be costed separately and included in the Additive Alternate Table on 00 4113-5.

Costs related to play sand, P.I.P rubber, and EWF shall be included in bid item number 9 – Playground Protective Surfacing.

Costs related to salvaged logs shall be included in bid item number 8 – Play Equipment.

Costs related to walls shall be covered in bid item number 6 – Site Concrete.

12. Please confirm that the grinding rock and benches shown on sheet L-2.0 Landscape Materials Schedule are not in the contract.

Response Confirmed. The grinding rock (S-06/L-2.1) and benches (S-07/L-2.1) by the mural building BART ventilation structure are art components that will be furnished and installed by Civic Arts.

13. Refer to schedule of materials and site furnishings on sheet L-2.0, please provide detail 03/L-4.1 for 8"W double wall.

Response Detail is provided. See current detail 03 sand area on sheet L-4.1 provided in Addendum No. 1.

14. Refer to schedule of materials and site furnishings on sheet L-2.0, the quantities of boulder A, boulder B and salvaged boulders are supposed to be 11 EA, 7 EA, 6 EA and quantity of boulder wall supposed to be 76 LF with (29) head size boulders at top and (39) 2'x2' boulders. Please revise the quantity.

Response Quantity for salvaged boulders is 8. Demolition sheet has been revised to remove the boulder symbol causing confusion. Contractor can also verify this quantity in the field. Quantities associated with proposed items have been revised on the Landscape Materials Schedule.

15. Refer to schedule of materials and site furnishings on sheet L-2.0, American Soil and Stone is the only specified supplier. Are approved equal material from other suppliers acceptable?

Response Approved equal material from other suppliers is acceptable. See revised sheet L-2.0. Per Document 00 2113 (Instructions to Bidders) paragraph 6.07 Substitutions, Bidders must base their Bids on products and systems specified in Contract Documents or listed by name in Addenda. City will consider substitution requests only for "or equal items." Bidders wanting to use "or equal" item(s) may submit Document 00 6325 (Substitution Request Form) no later than 35 Days after Notice of Award.

16. Refer to item P-01 and P-02 of schedule of materials and site furnishings on sheet L-2.0, it does appear that section 03 3001 is missing. Please provide.

Response Section 03 3001 listed on sheet L-2.0 was a typo and should be section 03 3000. Revised plan sheet has been issued with this Addendum.

17. Refer to sheet L-2.1, there is an area where the hatch for engineered wood fiber is overlapping the hatch of concrete paving. Please clarify.

Response Refer to referenced detail for engineered wood fiber detail 05/L-4.0. "Condition at C.I.P. concrete ramp at 2-5 yrs play area" details this condition.

18. Refer to detail 3 on sheet C-6.1, please provide the width of stabilized construction entrance/exit.

Response Per section 01 57000, contractor shall use appropriate BMPs and source control techniques on the site at all times. BMPs shall be in conformance with the California Stormwater Quality Association's "Stormwater Best Management Practice Handbook", current condition. Refer to this handbook for recommended design and layout of stabilized construction entrance/exits.

19. Please provide the dimensions required for the head size boulder referenced in detail 7 on sheet L-4.0.

Response Dimension has been added to detail 7 on sheet L-4.0. The dimension could also be found in the material schedule on sheet L-2.0.

20. Detail 4 on sheet L-4.0 shows Class II Aggregate Base to be installed under Granitecrete. However, section 32 1541, part 2.03 shows that base course material rock to be Class II Permeable Base Rock. Please clarify.

Response Detail 7/L-4.0 has been updated to match section 32 1541, part 2.03.

21. Refer to section 32 1816, part 3.05B, "aggregate subbase shall be fully compacted in 2" watered lifts to 95 percent". However, detail 5 on sheet L4.0 does not show aggregate subbase. Please confirm if aggregate subbase is required under redwood fiber playground surface. Also, provide a specification for aggregate subbase.

Response Confirmed, 6-inches of aggregate subbase has been added to detail 5/L-4.0.

22. On sheet L-2.1, symbols of boulder wall and boulder A are the same. Please advise.

Response The boulder wall consists of boulders A and B. Boulder A is 2'x2' and boulder B is a head size boulder. There are a few boulders A and B placed inside the play area as well.

23. Details pertaining to K-03 on sheet L-6.0 are missing. Please provide legend, description, material and more information for item K-03 shown on plan.

Response K-03 was a typo. It has been corrected to K-02.

24. Refer to detail 7 on sheet I-5.3, spacing between 2 pipes is 4". However, per part 3.04 of section 32 8400, it states when two pipes are to be placed in the same trench, maintain a six-inch space between pipes as minimum. Please clarify.

Response Spacing shall be 4-inches. Refer to specification update listed at the beginning of this addendum.

25. Do proposed trees need root barrier? if root barrier is required, provide an instruction for root barrier installation.

Response Proposed trees do not need root barriers since they are not adjacent to concrete paving. The Olive trees have big surface roots, so the root barrier is not necessary.

26. Refer to sheet L-7.0, please provide on center spacing for Oxalis Oregana and Sedum Spathulifolium 'Cape Blanco'.

Response Spacing for Oxalis Oregana shall be 12"o.c. and spacing for Sedum Spathulifolium 'Cape Blanco' shall be 6"o.c.

27. Refer to section 32 0190, landscape maintenance period is 120 days. However, section 32 8400, part 3.016, maintenance period is 90 day. Please clarify.

Response Landscape maintenance period shall be 120 days. Refer to specification update listed at the beginning of this addendum.

28. Refer to sheet I-5.1, note 12 shows "install two control wires along the entire wire routing for each controller". Since the existing irrigation controller is a conventional system, please advise the purpose of this requirement.

Response This note is not applicable to this project and has been deleted.

29. Please provide as-built plans for existing irrigation system.

Response As-built plans are available for download at the clickable link below. Please note site conditions may have changed and the contractor is responsible to verify existing conditions in the field.

<https://www.dropbox.com/sh/o0clwf6mtgqsx95>

30. Please provide the current location of existing controller needs to be relocated. Please provide the electrical plan for existing controller needs to be relocated.

Response The existing irrigation controller is located in the northeast corner of the site and is noted on the Demolition Sheet C-3.1 to salvage.

The site is open and accessible to the public. It is strongly recommended that the contractor visit the site prior to bid.

As-built documents for the site are provided for reference only. See response to question 29.

31. Refer to section 32 8400, part 2.08, gate valve is Leemco LGT-SS. However, sheet I-5.2, irrigation legend shows gate valve to be Nibco T113-K series. Please clarify.

Response Gate valve shall be Nibco T113-K series, or approved equal. Refer to specification update listed at the beginning of this addendum.

32. Part 2.02 of section 32 8400, sleeve to be twice the diameter of the pipe carries or wire bundle. However, sheet I-5.0 show mainline sleeves is 6" diameter. Please advise.

Response Sleeves shall be a minimum of twice the diameter of the pipe passing through it.

33. Please clarify the type of water for irrigation system. Is it potable or non-potable?

Response Potable water. There is no known, non-potable water system near our site.

34. Refer to sheet L-7.0, note 13 and section 32 9300, part 2.07, please clarify if mulch material to be applied at 3" depth to all planting areas.

Response Mulch shall be applied at 3" depth. Note 13 on sheet L-7.0 has been revised with this clarification.

35. Is Play Matta a suitable product for this project's playground protective surfacing?

Response Play Matta is not a suitable product for this project. Playground protective surfacing shall be per the project plans and specifications.

36. Has Duncan and Grove supplied play equipment to previous park projects in Berkeley?

Response No, Duncan and Grove is a new play equipment supplier for Berkeley.

37. Does the City provide hard copies of the bid documents for purchase during the bidding period? How much is a plan and spec? When can I come pick up a package?

Response The City is not providing hard copies of the plans, project manual, and other bid documents, and these are only available digitally at this time. Bidders who may want a hard copy may send these files to print at their own cost. Please note that per Document 00 1113, Paragraph 1.07, Bidders are solely responsible for the cost of preparing their Bids.

38. Per Notice Inviting Bids, a California "A" contractor's license is required to bid this project, can we request the City to review and revise the license requirement to be "A" or "B" license?

Response City requires an "A" license to bid this project.

39. Does this project have a Project Labor Agreement (PLA) requirement?

Response Yes. Document No 00 1113 (Notice Inviting Bids) and Document 00 6580 (City of Berkeley Contracting Policies) states that this project is subject to the City's project labor agreement, which is called the Community Workforce Agreement (CWA). See Appendices in the Project Manual for information on the City of Berkeley's Community Workforce Agreement.

40. Do all Subcontractors also need to sign the Agreement to Be Bound and adhere to the Community Workforce Agreement?

Response Yes, every subcontractor at any tier. See Appendices in the Project Manual.

41. Do we need any special BART review or inspections?

Response Prior to mobilization, contractor will need to submit cut sheets of all construction equipment for both demolition work and new construction for BART's review and approval.

There are no known special inspections required from BART, but please note the following BART infrastructure onsite that needs to be protected:

- Mural Building BART ventilation structure
- Wet standpipe and tunnel access located south of the mural building BART ventilation structure must be protected and available for BART to access at all times
- BART tunnel running underneath the site. Refer to note 12 on Site Demolition Sheet C-3.0 for excavation requirements.

The Bid Opening time and date remains Tuesday, November 1, 2022 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/ohlone-park-east-playground-replacement-and> 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  
Assistant Civil Engineer  
Department of Parks, Recreation and Waterfront

**END OF DOCUMENT**

# CITY OF BERKELEY

## ALAMEDA COUNTY, CALIFORNIA

### SPECIFICATION NO. 22-11418-C

# OHLONE PARK (EAST)

## PLAYGROUNDS REPLACEMENT AND SITE IMPROVEMENTS



**LOCATION MAP**

NTS

**PRIME CONSULTANT**

PATRICIA ALGARA, LANDSCAPE ARCHITECT  
 BASE LANDSCAPE ARCHITECTURE  
 145 A LOWER TERRACE  
 SAN FRANCISCO, CA 94114  
 TEL: 415.509.3728  
 EMAIL: PATRICIA@BASELANDSCAPE.COM

**PROJECT TEAM**

KEVIN WONG, P.E.  
 BKF ENGINEERS  
 255 SHORELINE DRIVE, SUITE 200  
 REDWOOD CITY, CA 94065  
 TEL: 510.899.7308  
 EMAIL: KWONG@BKF.COM

JEFF DIAS, IRR. CONSULTANT  
 RUSSELL D MITCHELL & ASSOCIATES  
 2760 CAMINO DIABLO  
 WALNUT CREEK, CA 94597  
 TEL: 925.939.3985  
 EMAIL: JDIAS@RMAIRRIGATION.COM

**PROJECT CONTACT**

STACEY RUTHERFORD, P.E.  
 CITY OF BERKELEY  
 DEPARTMENT OF PARKS, RECREATION, AND WATERFRONT  
 1947 CENTER STREET, 5TH FLOOR  
 BERKELEY, CA 94704  
 (510) 981-6738  
 WWW.CITYOFBERKELEY.INFO  
 EMAIL: SRUTHERFORD@CITYOFBERKELEY.INFO

**PROJECT INFORMATION**

1933 HEARST AVENUE BERKELEY, CA 94709

PROJECT INCLUDES THE RELOCATON OF THE EXISTING 5-12 PLAYGROUND AREA TO BE ADJACENT TO THE 2-5 PLAYGROUND AREA, NEW 2-5 AND 5-12 PLAYGROUND AREAS, IRRIGATION IMPROVEMENTS, DRAINAGE IMPROVEMENTS, A NEW GARDEN AROUND THE EXISTING MURAL ACCOMPANIED WITH A NEW PATHWAY, A NEW ACTIVITY AREA, ADA IMPROVEMENTS, AND OTHER RELATED IMPROVEMENTS.

**GENERAL NOTE:**

THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICES ALERT (USA) AT (800) 227-2600 AT LEAST TWO WORKING DAYS BEFORE EXCAVATING. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXISTING UTILITIES IN ACCORDANCE WITH THE SPECIFICATIONS.

**ALTERNATES:**

1. POUR IN PLACE RUBBER AND CURB FOR FUTURE EXERCISE AREA ALONG BONITA STREET
2. PROTECTIVE FENCE AROUND MURAL GARDEN
3. SAND AND PAINT EXISTING LIGHT POSTS.

**INDEX OF DRAWINGS**

SHEET NO.	SHEET TITLE	SHEET NAME
1.	T-1.0	COVER SHEET
2.	T-1.1	NOTES AND ABBREVIATIONS
3.	C-2.0	EXISTING CONDITIONS
4.	C-2.1	EXISTING CONDITIONS
5.	C-3.0	SITE DEMOLITION PLAN
6.	C-3.1	SITE DEMOLITION PLAN
7.	C-4.0	SITE GRADING PLAN
8.	C-4.1	SITE GRADING PLAN
9.	C-5.0	SITE STORM DRAINAGE
10.	C-6.0	CONSTRUCTION DETAILS
11.	C-6.1	CONSTRUCTION DETAILS
12.	C-6.2	CONSTRUCTION DETAILS
13.	C-6.3	BMP PLAN SHEET
14.	C-7.0	EROSION CONTROL PLAN
15.	C-7.1	EROSION CONTROL PLAN
16.	L-1.0	TREE PROTECTION PLAN
17.	L-1.1	TREE PROTECTION DETAILS AND NOTES
18.	L-2.0	LANDSCAPE MATERIALS SCHEDULE
19.	L-2.1	LANDSCAPE MATERIALS PLANS
20.	L-3.0	LAYOUT PLAN
21.	L-3.1	ENLARGEMENT LAYOUT PLAN-PLAYGROUND
22.	L-3.2	ACCESSIBLE PATH OF TRAVEL-NEW AND EXISTING
23.	L-4.0	PAVING AND WALL DETAILS
24.	L-4.1	SITE FURNISHING DETAILS
25.	L-4.2	AMENITY AND STRUCTURE DETAILS
26.	L-4.3	PLAY EQUIPMENT DETAILS
27.	L-4.4	PLAY EQUIPMENT DETAILS
28.	I-5.0	IRRIGATION PLAN
29.	I-5.1	IRRIGATION NOTES
30.	I-5.2	IRRIGATION LEGEND
31.	I-5.3	IRRIGATION DETAILS
32.	I-5.4	IRRIGATION DETAILS
33.	I-5.5	IRRIGATION DETAILS
34.	L-6.0	SOILS PLAN
35.	L-7.0	PLANTING SCHEDULES
36.	L-7.1	PLANTING PLAN
37.	L-7.2	ENLARGEMENT PLANTING PLAN-PLAYGROUND
38.	L-7.3	ENLARGEMENT PLANTING PLAN- MURAL GARDEN
39.	L-7.4	PLANTING IMAGES
40.	L-7.5	PLANTING DETAILS



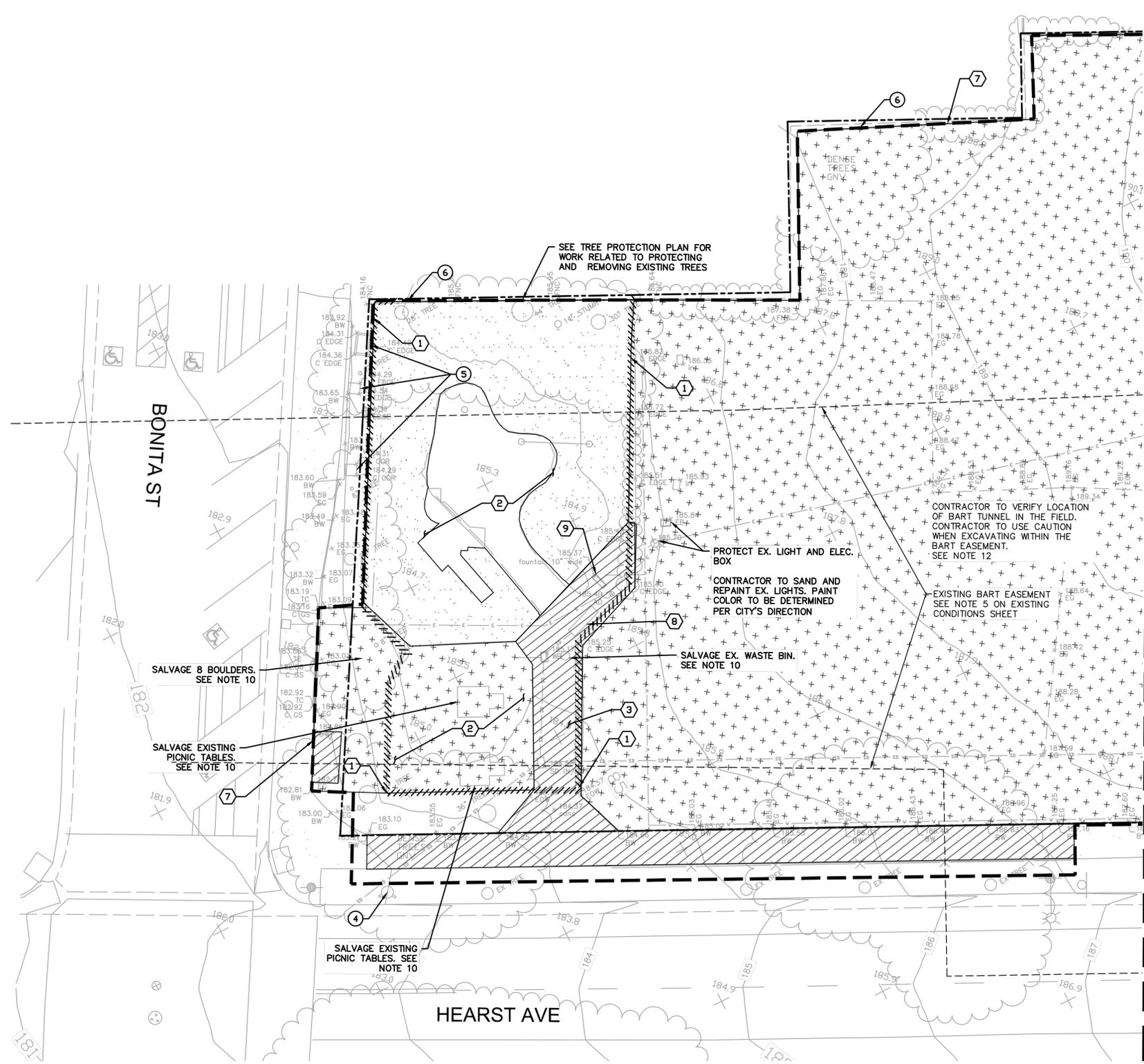
SUBMITTED:	DATE:	▲	10/28/2022	ADDENDUM 2					
NAME OF CONSULTANT:	LIC. EXP.:								
FOR REDUCED PLANS - ORIGINAL SCALE IS IN INCHES		REVISION	MARK	DATE	DESCRIPTION	APPROVAL			

DESIGN	YD	HORIZ.	AS NOTED
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CHECK		BOOK	
AS BUILT		DATE	10/28/22

**CITY OF BERKELEY**  
 PARKS, RECREATION & WATERFRONT

**OHLONE PARK EAST IMPROVEMENTS**  
 COVER SHEET

PLAN 8261  
 FILE 406-219  
**T-10**  
 SHEET 1 OF 40



**DEMOLITION ITEMS**

- 1 REMOVE EXISTING FENCE - // // // //
- 2 REMOVE EXISTING PLAYGROUND STRUCTURE AND APPURTENANCES, INCLUDING EXISTING PLAYGROUND FOUNDATIONS AND SUBDRAINAGE
- 3 REMOVE EXISTING CONCRETE PAVEMENT SECTION
- 4 CLEAR AND GRUB TO PROPOSED SUBGRADE
- 5 REMOVE EXISTING ASPHALT PAVEMENT SECTION
- 6 EXISTING SAND, CLEAN FOR REUSE, SURPLUS SAND TO BE SIFTED, CLEANED, AND TRANSPORTED FOR STOCKPILING PER CITY DIRECTION
- 7 LIMIT OF DEMOLITION - - - - -
- 8 REMOVE EXISTING BENCH
- 9 REMOVE EXISTING DRINKING FOUNTAIN

**PROTECTED ITEMS**

- 1 PROTECT EXISTING BUILDING
- 2 PROTECT EXISTING UTILITY STRUCTURES
- 3 PROTECT EXISTING MURAL
- 4 PROTECT EXISTING BART STRUCTURES
- 5 PROTECT EXISTING PG&E VAULTS AND VENTS
- 6 PROTECT EXISTING FENCE

**DEMOLITION NOTES**

1. CONTRACTOR TO USE CAUTION WHEN WORKING ADJACENT TO EXISTING BUILDING.
2. CONTRACTOR TO CLEAR AND GRUB WITHIN THE LIMITS OF PROPOSED WORK, UNLESS OTHERWISE NOTED ON PLANS.
3. RIM ELEVATIONS FOR EXISTING UTILITY STRUCTURES SHALL BE ADJUSTED TO PROPOSED SURFACE ELEVATIONS.
4. THE UTILITY LINES AND STRUCTURES SHOWN ON THESE PLANS ARE DERIVED FROM RECORD DATA AND/OR SURFACE OBSERVATION AND ARE APPROXIMATE ONLY. ACTUAL LOCATION AND SIZE, TOGETHER WITH THE PRESENCE OF ANY ADDITIONAL UTILITY LINES AND STRUCTURES NOT SHOWN ON THIS PLAN, SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR DURING CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY UPON DISCOVERY OF ANY DISCREPANCIES BETWEEN EXISTING CONDITIONS IN THE FIELD AND INFORMATION SHOWN ON THESE PLANS.
5. THE CONTRACTOR IS REQUIRED BY STATE LAW TO ACTIVELY RESEARCH THE WORK AREA PRIOR TO COMMENCEMENT OF CONSTRUCTION, REFERENCE ANY MONUMENTS, AND REPLACE THOSE DAMAGED OR REMOVED DURING CONSTRUCTION.
6. THE LIMITS OF DEMOLITION SHOWN ARE APPROXIMATE ONLY. CONTRACTOR IS RESPONSIBLE FOR MATCHING EXISTING SURROUNDINGS, LANDSCAPE AND OTHER IMPROVEMENTS WITH A SMOOTH TRANSITION IN PAVING, CURBS, GUTTERS, AND SIDEWALKS AND AVOIDING ANY ABRUPT OR APPARENT CHANGES IN GRADES OR CROSS SLOPES OR HAZARDOUS CONDITIONS.
7. EXISTING CURB AND SIDEWALK AND LANDSCAPE/IRRIGATION WITHIN THE PROJECT LIMITS THAT ARE DAMAGED OR DISPLACED, EVEN THOUGH THEY WERE NOT TO BE REMOVED, SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST.
8. PROTECT ALL EXISTING UTILITIES AND SITE FEATURES FROM BEING DAMAGED, UNLESS OTHERWISE NOTED. ALL UTILITIES AND IMPROVEMENTS THAT BECOME DAMAGED DURING CONSTRUCTION SHALL BE COMPLETELY RESTORED AT NO ADDITIONAL COST TO THE OWNER AND TO THE SATISFACTION OF THE ENGINEER.
9. REFER TO TREE PROTECTION PLAN SHEET L1.0 FOR WORK PERTAINING TO PROTECTING AND REMOVING EXISTING TREES.
10. FOR ALL ITEMS BEING SALVAGE, CONTRACTOR SHALL COORDINATE WITH CITY FOR STORAGE, REINSTALLATION AND/OR REPLACEMENT.
11. BART NEEDS ACCESS TO EXISTING BART VAULTS AND WET STANDPIPE ALONG HEART AVENUE 24/7. CONTRACTOR SHALL ENSURE THESE STRUCTURES ARE ACCESSIBLE AT ALL TIMES. CONTRACTOR TO PROTECT THEM DURING CONSTRUCTION ACTIVITIES
12. FOR AREAS OVER THE TUNNEL WHERE THE ESTIMATED SOIL COVER IS APPROXIMATELY 8' OR MORE, USE HAND EXCAVATION AFTER 6 FEET DEPTH TO THE MAXIMUM PLANNED EXCAVATION DEPTH PLUS 1 FOOT OR TO THE TOP OF BART TUNNEL. FOR AREAS OVER THE VENT STRUCTURE WHERE THE ESTIMATED SOIL COVER IS APPROXIMATELY 4' OR MORE, USE HAND EXCAVATION AFTER 2 FT DEPTH TO THE PLANNED EXCAVATION DEPTH PLUS 1 FOOT OR TO THE TOP OF BART TUNNEL.

IF TOP OF BART TUNNEL OR WATERPROOF MEMBRANE IS NOT WITHIN THE MAXIMUM PLANNED EXCAVATION DEPTH PLUS 1 FOOT, HAND EXCAVATION IS NOT REQUIRED FOR SUBSEQUENT EXCAVATIONS TO THE MAXIMUM PLANNED EXCAVATION DEPTH IN THE SAME AREA WITH SAME GROUND ELEVATION.

IF TOP OF BART TUNNEL DEPTH HAS BEEN ESTABLISHED, HAND EXCAVATION SHALL BE PERFORMED FOR THE FINAL ONE FOOT ABOVE THE BART TUNNEL FOR SUBSEQUENT EXCAVATIONS.

MATCH LINE, SEE SHEET C-3.1 FOR CONTINUATION



**BKF**  
300 FRANK OGAWA PLAZA  
SUITE 380  
OAKLAND, CA 94612  
(510) 899-7300  
www.bkf.com

SUBMITTED:	DATE		
NAME OF CONSULTANT	LIC. NO.	10/28/2022	ADDENDUM 2
	EXP. DATE		

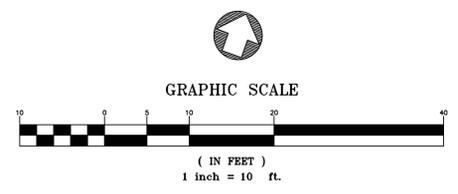
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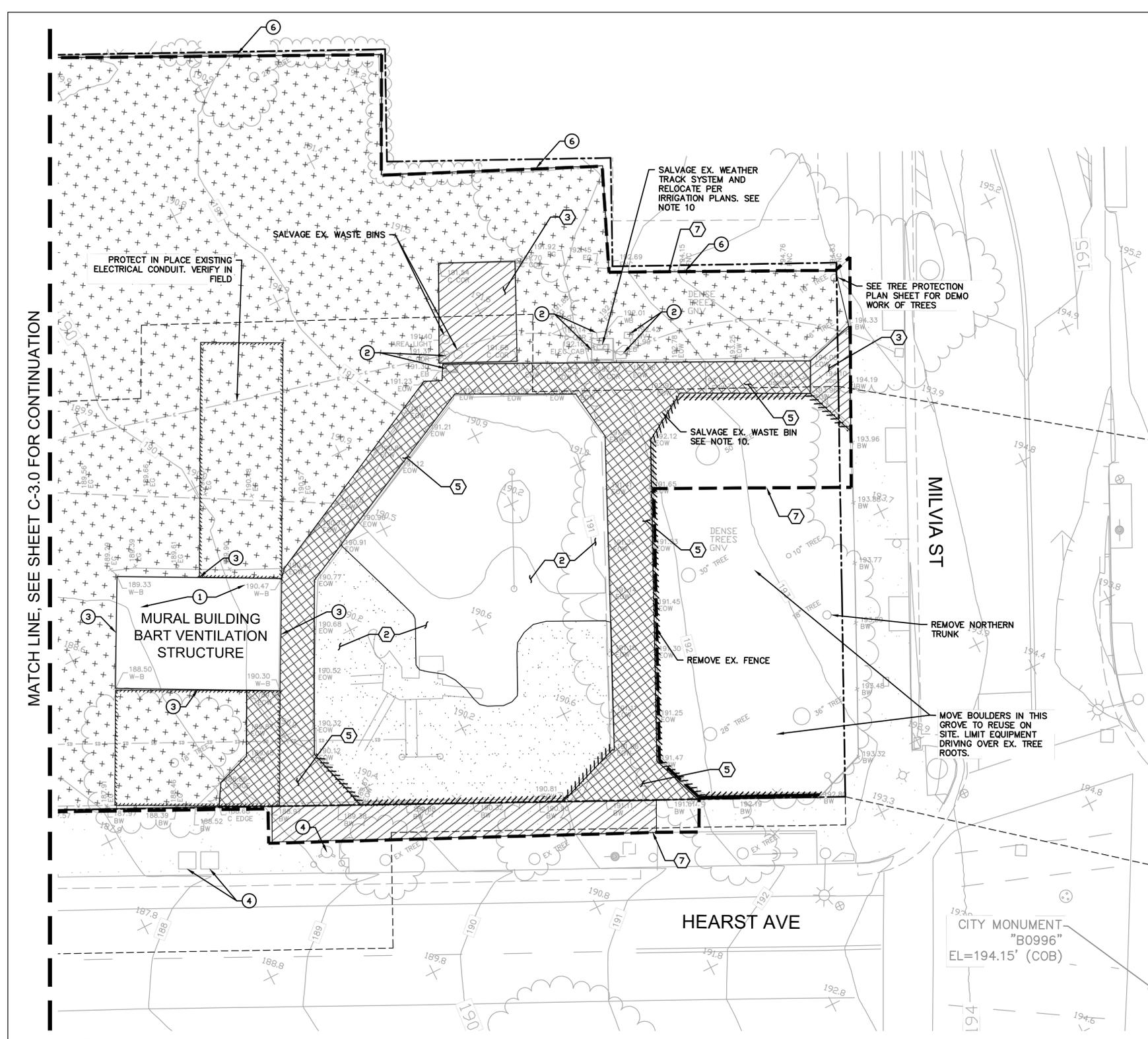
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AS BUILT	---	DATE	10/28/22

**CITY OF BERKELEY**  
PARKS, RECREATION & WATERFRONT

**OHLONE PARK EAST IMPROVEMENTS**  
SITE DEMOLITION PLAN

PLAN 8261  
FILE 406-219  
**C-3.0**  
SHEET 5 OF 40





**DEMOLITION ITEMS**

- 1 REMOVE EXISTING FENCE - // // // //
- 2 REMOVE EXISTING PLAYGROUND STRUCTURE AND APPURTENANCES, INCLUDING EXISTING PLAYGROUND FOUNDATIONS AND SUBDRAINAGE
- 3 REMOVE EXISTING CONCRETE PAVEMENT SECTION
- 4 CLEAR AND GRUB TO PROPOSED SUBGRADE
- 5 REMOVE EXISTING ASPHALT PAVEMENT SECTION
- 6 EXISTING SAND, CLEAN FOR REUSE, SURPLUS SAND TO BE SIFTED, CLEANED, AND TRANSPORTED FOR STOCKPILING PER CITY DIRECTION
- 7 LIMIT OF DEMOLITION - - - - -
- 8 REMOVE EXISTING BENCH
- 9 REMOVE EXISTING DRINKING FOUNTAIN

**PROTECTED ITEMS**

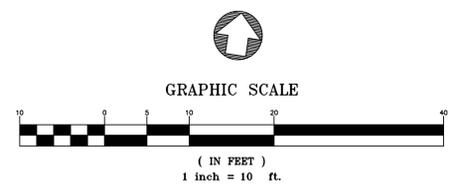
- 1 PROTECT EXISTING BUILDING
- 2 PROTECT EXISTING UTILITY STRUCTURES
- 3 PROTECT EXISTING MURAL
- 4 PROTECT EXISTING BART STRUCTURES
- 5 PROTECT EXISTING PG&E VAULTS AND VENTS
- 6 PROTECT EXISTING FENCE

**DEMOLITION NOTES**

1. CONTRACTOR TO USE CAUTION WHEN WORKING ADJACENT TO EXISTING BUILDING.
2. CONTRACTOR TO CLEAR AND GRUB WITHIN THE LIMITS OF PROPOSED WORK, UNLESS OTHERWISE NOTED ON PLANS.
3. RIM ELEVATIONS FOR EXISTING UTILITY STRUCTURES SHALL BE ADJUSTED TO PROPOSED SURFACE ELEVATIONS.
4. THE UTILITY LINES AND STRUCTURES SHOWN ON THESE PLANS ARE DERIVED FROM RECORD DATA AND/OR SURFACE OBSERVATION AND ARE APPROXIMATE ONLY. ACTUAL LOCATION AND SIZE, TOGETHER WITH THE PRESENCE OF ANY ADDITIONAL UTILITY LINES AND STRUCTURES NOT SHOWN ON THIS PLAN, SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR DURING CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY UPON DISCOVERY OF ANY DISCREPANCIES BETWEEN EXISTING CONDITIONS IN THE FIELD AND INFORMATION SHOWN ON THESE PLANS.
5. THE CONTRACTOR IS REQUIRED BY STATE LAW TO ACTIVELY RESEARCH THE WORK AREA PRIOR TO COMMENCEMENT OF CONSTRUCTION, REFERENCE ANY MONUMENTS, AND REPLACE THOSE DAMAGED OR REMOVED DURING CONSTRUCTION.
6. THE LIMITS OF DEMOLITION SHOWN ARE APPROXIMATE ONLY. CONTRACTOR IS RESPONSIBLE FOR MATCHING EXISTING SURROUNDINGS, LANDSCAPE AND OTHER IMPROVEMENTS WITH A SMOOTH TRANSITION IN PAVING, CURBS, GUTTERS, AND SIDEWALKS AND AVOIDING ANY ABRUPT OR APPARENT CHANGES IN GRADES OR CROSS SLOPES OR HAZARDOUS CONDITIONS.
7. EXISTING CURB AND SIDEWALK AND LANDSCAPE/IRRIGATION WITHIN THE PROJECT LIMITS THAT ARE DAMAGED OR DISPLACED, EVEN THOUGH THEY WERE NOT TO BE REMOVED, SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST.
8. PROTECT ALL EXISTING UTILITIES AND SITE FEATURES FROM BEING DAMAGED, UNLESS OTHERWISE NOTED. ALL UTILITIES AND IMPROVEMENTS THAT BECOME DAMAGED DURING CONSTRUCTION SHALL BE COMPLETELY RESTORED AT NO ADDITIONAL COST TO THE OWNER AND TO THE SATISFACTION OF THE ENGINEER.
9. REFER TO TREE PROTECTION PLAN SHEET L1.0 FOR WORK PERTAINING TO PROTECTING AND REMOVING EXISTING TREES.
10. FOR ALL ITEMS BEING SALVAGE, CONTRACTOR SHALL COORDINATE WITH CITY FOR STORAGE, REINSTALLATION AND/OR REPLACEMENT.
11. BART NEEDS ACCESS TO EXISTING BART VAULTS AND WET STANDPIPE ALONG HEART AVENUE 24/7. CONTRACTOR SHALL ENSURE THESE STRUCTURES ARE ACCESSIBLE AT ALL TIMES. CONTRACTOR TO PROTECT THEM DURING CONSTRUCTION ACTIVITIES
12. FOR AREAS OVER THE TUNNEL WHERE THE ESTIMATED SOIL COVER IS APPROXIMATELY 8' OR MORE, USE HAND EXCAVATION AFTER 6 FEET DEPTH TO THE MAXIMUM PLANNED EXCAVATION DEPTH PLUS 1 FOOT OR TO THE TOP OF BART TUNNEL. FOR AREAS OVER THE VENT STRUCTURE WHERE THE ESTIMATED SOIL COVER IS APPROXIMATELY 4' OR MORE, USE HAND EXCAVATION AFTER 2 FT DEPTH TO THE PLANNED EXCAVATION DEPTH PLUS 1 FOOT OR TO THE TOP OF BART TUNNEL.

IF TOP OF BART TUNNEL OR WATERPROOF MEMBRANE IS NOT WITHIN THE MAXIMUM PLANNED EXCAVATION DEPTH PLUS 1 FOOT, HAND EXCAVATION IS NOT REQUIRED FOR SUBSEQUENT EXCAVATIONS TO THE MAXIMUM PLANNED EXCAVATION DEPTH IN THE SAME AREA WITH SAME GROUND ELEVATION.

IF TOP OF BART TUNNEL DEPTH HAS BEEN ESTABLISHED, HAND EXCAVATION SHALL BE PERFORMED FOR THE FINAL ONE FOOT ABOVE THE BART TUNNEL FOR SUBSEQUENT EXCAVATIONS.



MATCH LINE - SEE SHEET C-3.0 FOR CONTINUATION



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SUBMITTED:	DATE	10/28/2022	ADDENDUM 2
NAME OF CONSULTANT	LIC. EXP.		
REVISION	MARK	DATE	DESCRIPTION
			APPROVAL

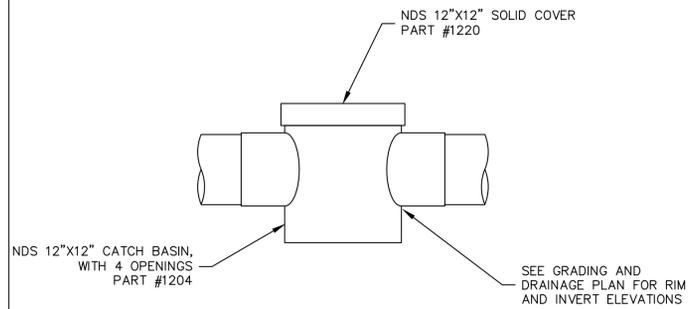
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AS BUILT		DATE	10/28/22

**CITY OF BERKELEY**  
PARKS, RECREATION & WATERFRONT

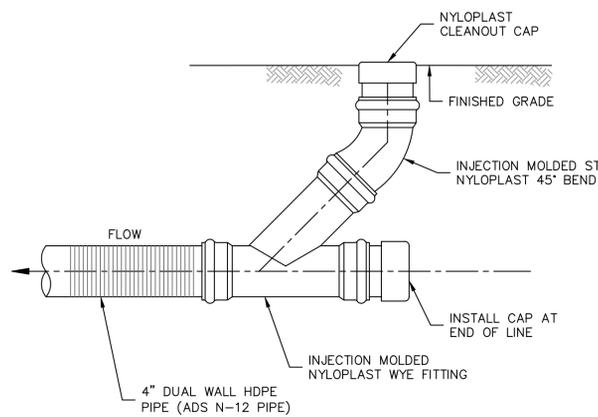
**OHLONE PARK EAST IMPROVEMENTS**  
SITE DEMOLITION PLAN

PLAN 8261  
FILE 406-219  
**C-31**  
SHEET 6 OF 40

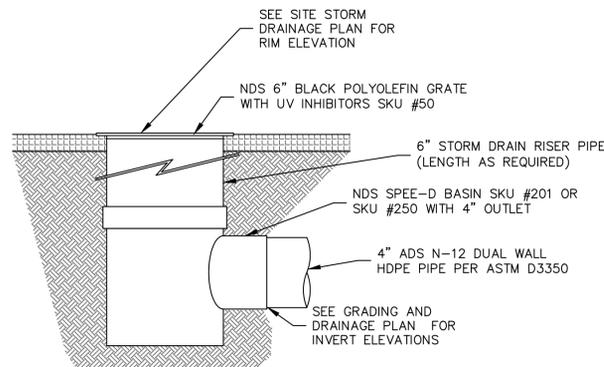




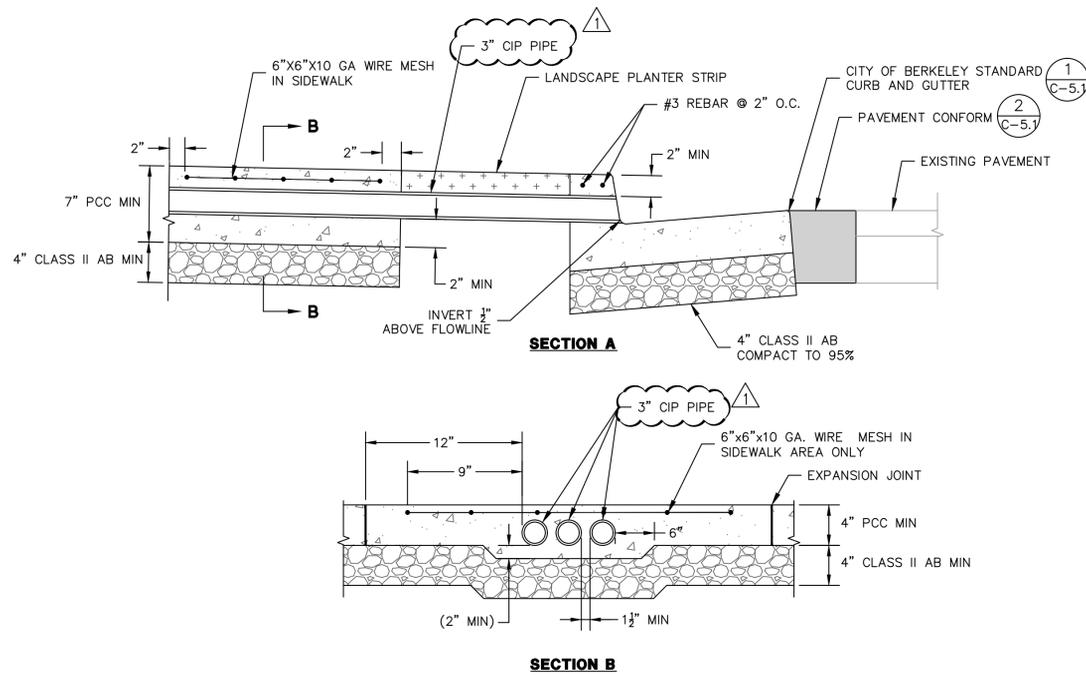
**1** 12" X 12" NDS CATCH BASIN  
NOT TO SCALE



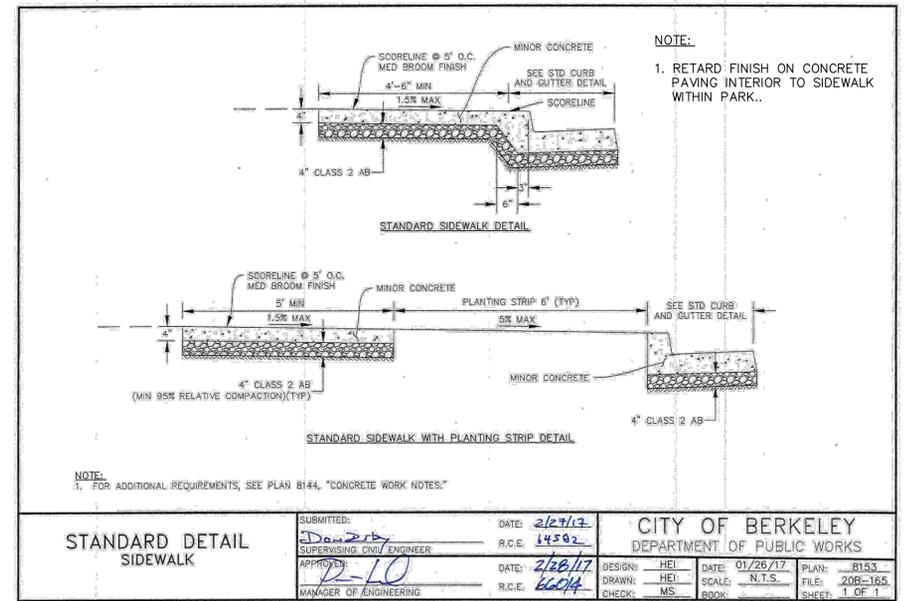
**2** CLEANOUT  
NOT TO SCALE



**3** AREA DRAIN  
NOT TO SCALE

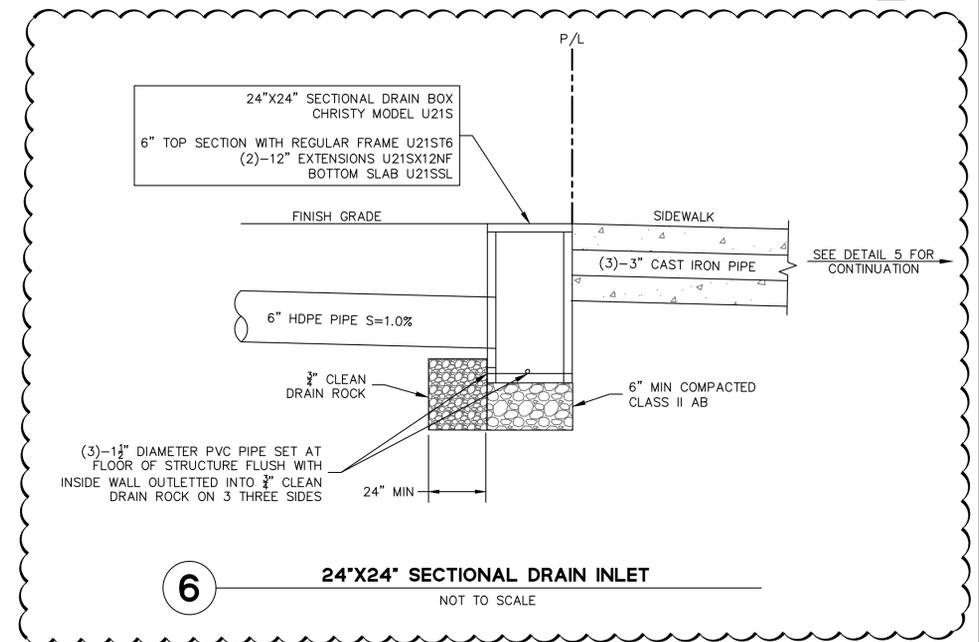


**5** SIDEWALK UNDERDRAIN  
NOT TO SCALE



STANDARD DETAIL  
SIDEWALK

**4** STANDARD CITY SIDEWALK  
NOT TO SCALE



**6** 24\"/>



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SUBMITTED:	DATE:	10/28/2022	ADDENDUM 2
NAME OF CONSULTANT:	LIC. EXP.:		
REVISION	MARK	DATE	DESCRIPTION

DESIGN	AR	HORIZ.	AS NOTED
DRAWN	AR	VERT.	---
CHECK	BOOK		
AS BUILT		DATE	10/28/22

**CITY OF BERKELEY**  
PARKS, RECREATION & WATERFRONT

**OHLONE PARK EAST IMPROVEMENTS**  
CONSTRUCTION DETAILS

PLAN 8261  
FILE 406-219  
**C-6.0**  
SHEET 10 OF 40

# SCHEDULE OF MATERIALS AND SITE FURNISHINGS

## PAVING

SYMBOL	DESCRIPTION	DETAIL	MODEL	MANUFACTURER	MATERIAL	COLOR	FINISH	SIZE	QTY	SPEC SECTION	PROD. SBMTL	SHOP DWGS	MOCK-UP	NOTES
P-01	CONCRETE PAVING, PEDESTRIAN	01/L4.0		-	C.I.P. CONCRETE	NATURAL	TOP CAST		1,600 SF	32 13 13, 03 30 00	X		X	
P-02	6" WIDE CURB	03/L4.0		-	C.I.P. CONCRETE	NATURAL	TOP CAST	HEIGHT VARIES	309 LF	03 30 00	X			
P-03	GRANITECRETE	04/L4.0		GRANITECRETE	GRANITECRETE	NATURAL GOLD			1,924 SF	32 15 41	X		X	
P-04	ENGINEERED WOOD FIBER (EWF)	05/L4.0	FIBARSYSTEM 300	FIBAR PLAYGROUND SURFACES	WOOD FIBER	NATURAL			6,026 SF	32 18 16	X			ADD (10) 3' X3' X1.5" FIBAR MATS UNDER SWINGS AND SLIDES EXITS, FLUSH WITH THE SURFACE
P-05	PLAY SAND	03/L4.1		-	SAND	NATURAL			204 SF	32 18 16	X			
P-06	P.I.P. RUBBER, ADD ALT	08/L4.0	TOT TURF STANDARD(1-4MM) TPV	ROBERTSON RECREATIONAL SURFACES	P.I.P. RUBBER	STANDARD RED			182 SF	32 18 16	X		X	
P-07	LANDSCAPE EDGING	06/L4.0	CLEANLINE	PERMALOC	ALUMINUM	-	MILL FINISH	1/8" X 5.5"	1,058 LF	32 93 00	X			
P-08	COBBLES	06/L4.1	LIN CREEK	LINGSO	STONE	GREY, BLUE GREY		2"-4"	196 SF	04 43 01	X		X	
P-09	BOULDER A	05/L4.1		AMERICAN SOIL AND STONE				2' X 2'	11	04 43 01	X			
P-10	BOULDER B	05/L4.1		AMERICAN SOIL AND STONE				~12" X 12"	7	04 43 01	X			
P-11	BOULDER, SALVAGED	05/L4.1							6	02 41 14, 04 43 01				
P-12	P.I.P. RUBBER WITH EWF ON TOP	08/L4.0	TOT TURF STANDARD(1-4MM) TPV	ROBERTSON RECREATIONAL SURFACES	P.I.P. RUBBER	STANDARD RED			65 SF	32 18 16				CONTRACTOR TO ENSURE THAT THE ENTRY PAD AT 5-12 YRS. AREA WILL RECEIVE A PROPER LAYER OF P.I.P. RUBBER CUSHION LAYER DETERMINED BY THE FALL HEIGHT OF ADJACENT PLAY STRUCTURE.

## SITE FURNISHING

SYMBOL	DESCRIPTION	DETAIL	MODEL	MANUFACTURER	MATERIAL	COLOR	FINISH	SIZE	QTY	SPEC SECTION	PROD. SBMTL	SHOP DWGS	MOCK-UP	NOTES
S-01	BENCH WITH BACK	01/L4.1	58	DUMOR	STEEL	BLACK			4	32 33 00	X			
S-02	LOG, SALVAGED	02/L4.1			NATURAL WOOD	NATURAL			12	32 33 00				
S-03	TRASH AND RECYCLING BIN, REUSED		SLURB-36RB	FORMS+SURFACES	STAINLESS STEEL	BLACK	GLOSS	36 GALLON	3	32 33 00				
S-04	BIKE RACKS	05/L4.2	WSH3602-SF	BIKEPARKING.COM	ROUND STEEL PIPE	JET BLACK	POWDER COATED	18.5" X 36"	3	32 33 00	X			
S-05	DRINKING FOUNTAIN	06/L4.2	LK4420BF1UDB	ELKAY	STAINLESS STEEL	GREEN	BLANK	26" X 31" X 64"	1	32 33 00	X			
S-06	GRINDING ROCK, N.I.C.													
S-07	BENCHES, N.I.C.													

## AMENITY AND STRUCTURE

SYMBOL	DESCRIPTION	DETAIL	MODEL	MANUFACTURER	MATERIAL	COLOR	FINISH	SIZE	QTY	SPEC SECTION	PROD. SBMTL	SHOP DWGS	MOCK-UP	NOTES
A-01	CHAINLINK FENCE, 42" TALL	01/L4.2		MERCHANTS METALS	METAL		BLACK VINYL COATED		164 LF	32 31 13	X	X		
A-02	CHAINLINK FENCE, 36" TALL	03/L4.2		MERCHANTS METALS	METAL		BLACK VINYL COATED		38 LF	32 31 13	X	X		BETWEEN 5-12 PLAY AND PLANTING AREA
A-03	CHAINLINK SINGLE GATE, 42" TALL	02/L4.2		MERCHANTS METALS	METAL		BLACK VINYL COATED		1	32 31 13	X	X		
A-04	PROTECTIVE FENCE, 24" TALL, ADD ALT	04/L4.2		CUSTOM	METAL	BLACK	BLACK VINYL COATED		132 LF		X			

## PLAY EQUIPMENT

SYMBOL	DESCRIPTION	DETAIL	MODEL	MANUFACTURER	MATERIAL	COLOR	FINISH	SIZE	QTY	SPEC SECTION	PROD. SBMTL	SHOP DWGS	MOCK-UP	NOTES
PL-01	LITTLE BEAVER'S STREAM	03/L4.3	NRO2013	KOMPAN	WOOD			10' 6"L X 14' 11"W X 10' 9"H	1	11 68 13	X			
PL-02	BEE SPRINGER	02/L4.3	NRO118	KOMPAN	WOOD			2' 6" LX 2' 3"W X 2' 5"H	2	11 68 13	X			
PL-03	2 SEAT SWING W/ BABY SEAT	04/L4.3	NR0922	KOMPAN	WOOD	NATURAL		14' 10"L X6'6"W X9'4"H	1	11 68 13	X			
PL-04	MAGIC GARDEN	08/L4.3	MSC5407	KOMPAN	ECOCORE, HOT-DIP GALVANIZED STEEL	YELLOW, GREEN		6' 1"L X2' 10"W X3' 11"H	1	11 68 13	X			
PL-05	WATER LILIES	06/L4.3	M175	KOMPAN	ECOCORE, HOT-DIP GALVANIZED STEEL			3'5"L X3'5"W X2'0"H		11 68 13	X			
PL-06	JUNIOR SPICA	07/L4.3	ELE400158	KOMPAN	ECOCORE, HOT-DIP GALVANIZED STEEL	YELLOW		1' 4" X 1' 4" X 3' 5"H	1	11 68 13	X			
PL-07	COCOWAVE ROPE PENDULUM SWING	05/L4.3	NRO915	KOMPAN	WOOD	NATURAL		18' 5"L X 10' 7"W X 12' 7"H	1	11 68 13	X			
PL-08	LOG CLIMBING FRAME NO.10	01/L4.3	CL.2.10	DUNCAN & GROVE	WOOD	NATURAL			1	11 68 13	X			
PL-09	MONKEY BARS NO.3	01/L4.3	MB.1.03	DUNCAN & GROVE	WOOD	NATURAL			1	11 68 13	X			
PL-10	WATER PUMP	11/L4.3	SA.1.01	DUNCAN & GROVE	STAINLESS-STEEL	SILVER		28"L X 16"W	1	11 68 13	X			
PL-11	ROBINIA CLIMBING FRAME NO.15	01/L4.3	CF.2.15	DUNCAN & GROVE	WOOD	NATURAL			1	11 68 13	X			

## WALLS

SYMBOL	DESCRIPTION	DETAIL	MODEL	MANUFACTURER	MATERIAL	COLOR	FINISH	SIZE	QTY	SPEC SECTION	PROD. SBMTL	SHOP DWGS	MOCK-UP	NOTES
W-01	12" W SEAT WALL	04/L4.1			C.I.P. CONCRETE	NATURAL	TOP CAST	12" H	66 LF	03 30 01	X		X	
W-02	BOULDER WALL	07/L4.0		AMERICAN SOIL AND STONE OR APPROVED EQUAL	BOULDERS			VARIES 6"-8" H	76 LF	04 43 01	X		X	(29) HEAD SIZE BOULDERS AT TOP; (39) 2' X2' BOULDERS
W-03	8"W DOUBLE WALL	03/L4.1			C.I.P. CONCRETE	NATURAL	TOP CAST	12 " H	36'-6" LF	03 30 00	X		X	SAND-BOX

NOTE: CONTRACTOR TO VERIFY ALL OF THE QUANTITIES.



SUBMITTED: _____	DATE: 10/28/2022	ADDENDUM 2
NAME OF CONSULTANT: _____	DATE: _____	DATE: _____
FOR REDUCED PLANS - ORIGINAL SCALE IS IN INCHES	REVISION	MARK
	DATE	DESCRIPTION
		APPROVAL

DESIGN	YD	HORIZ.	AS NOTED
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CHECK	---	BOOK	---
AS BUILT	---	DATE	19/28/22

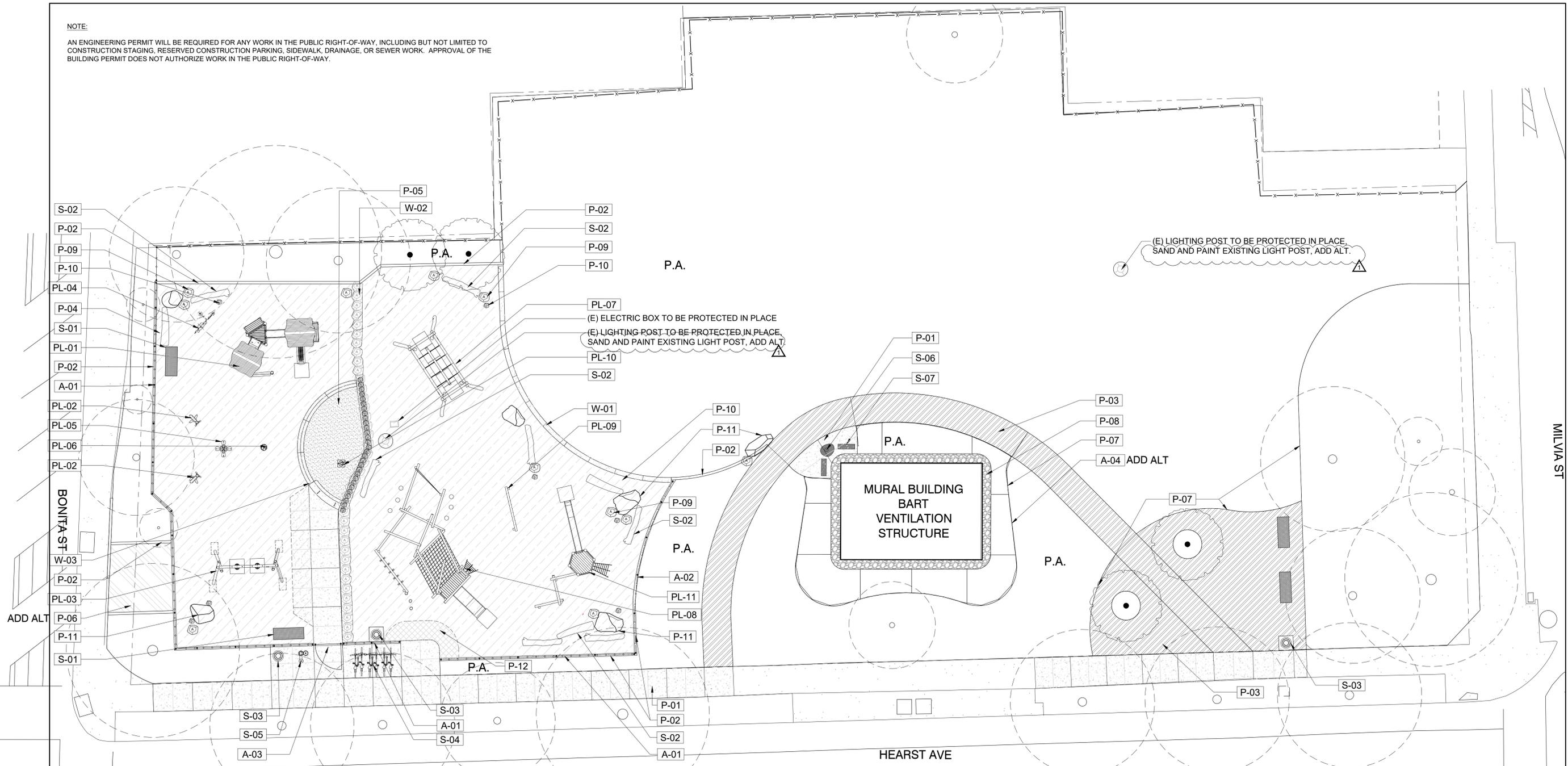
CITY OF BERKELEY  
PARKS, RECREATION & WATERFRONT

OHLONE PARK EAST IMPROVEMENTS  
LANDSCAPE MATERIALS SCHEDULE

PLAN 8261  
FILE 406-219  
L-20  
SHEET 18 OF 40

**NOTE:**

AN ENGINEERING PERMIT WILL BE REQUIRED FOR ANY WORK IN THE PUBLIC RIGHT-OF-WAY, INCLUDING BUT NOT LIMITED TO CONSTRUCTION STAGING, RESERVED CONSTRUCTION PARKING, SIDEWALK, DRAINAGE, OR SEWER WORK. APPROVAL OF THE BUILDING PERMIT DOES NOT AUTHORIZE WORK IN THE PUBLIC RIGHT-OF-WAY.



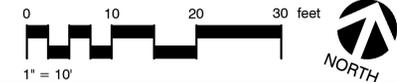
PAVING		
SYMBOL	DESCRIPTION	DETAIL
[Symbol]	P-01 CONCRETE PAVING, PEDESTRIAN	01/L4.0
[Symbol]	P-02 6" WIDE CURB	03/L4.0
[Symbol]	P-03 GRANITECRETE	04/L4.0
[Symbol]	P-04 ENGINEERED WOOD FIBER (EWF)	05/L4.0
[Symbol]	P-05 PLAY SAND	03/L4.1
[Symbol]	P-06 P.I.P. RUBBER, ADD ALT	08/L4.0
[Symbol]	P-07 LANDSCAPE EDGING	06/L4.0
[Symbol]	P-08 COBBLES	06/L4.1
[Symbol]	P-09 BOULDER A	05/L4.1

SITE FURNISHING		
SYMBOL	DESCRIPTION	DETAIL
[Symbol]	P-10 BOULDER B	05/L4.1
[Symbol]	P-11 BOULDER, SALVAGED	05/L4.1
[Symbol]	P-12 P.I.P. RUBBER WITH EWF ON TOP	08/L4.0
[Symbol]	S-01 BENCH WITH BACK	01/L4.1
[Symbol]	S-02 LOG, SALVAGED	02/L4.1
[Symbol]	S-03 TRASH AND RECYCLING BIN, REUSED	
[Symbol]	S-04 BIKE RACKS	05/L4.2
[Symbol]	S-05 DRINKING FOUNTAIN	06/L4.2
[Symbol]	S-06 GRINDING ROCK, N.I.C.	
[Symbol]	S-07 BENCHES, N.I.C.	

AMENITY AND STRUCTURE		
SYMBOL	DESCRIPTION	DETAIL
[Symbol]	A-01 CHAINLINK FENCE, 42" TALL	01/L4.2
[Symbol]	A-02 CHAINLINK FENCE, 36" TALL	03/L4.2
[Symbol]	A-03 CHAINLINK SINGLE GATE, 42" TALL	02/L4.2
[Symbol]	A-04 PROTECTIVE FENCE, 24" TALL, ADD ALT	04/L4.2

PLAY EQUIPMENT		
SYMBOL	DESCRIPTION	DETAIL
[Symbol]	PL-01 LITTLE BEAVER'S STREAM	03/L4.3
[Symbol]	PL-02 BEE SPRINGER	02/L4.3
[Symbol]	PL-03 2 SEAT SWING W/ BABY SEAT	04/L4.3
[Symbol]	PL-04 MAGIC GARDEN	08/L4.3
[Symbol]	PL-05 WATER LILIES	06/L4.3
[Symbol]	PL-06 JUNIOR SPICA	07/L4.3
[Symbol]	PL-07 COCOWAVE ROPE PENDULUM SWING	05/L4.3
[Symbol]	PL-08 LOG CLIMBING FRAME NO.10	01/L4.3

WALLS		
SYMBOL	DESCRIPTION	DETAIL
[Symbol]	PL-09 MONKEY BARS NO.3	01/L4.3
[Symbol]	PL-10 WATER PUMP	11/L4.3
[Symbol]	PL-11 ROBINIA CLIMBING FRAME NO.15	01/L4.3
[Symbol]	W-01 12" W SEAT WALL	04/L4.1
[Symbol]	W-02 BOULDER WALL	07/L4.0
[Symbol]	W-03 8"W DOUBLE WALL	03/L4.1



SUBMITTED:	DATE	10/28/2022
NAME OF CONSULTANT:	LIC. NO.	
	EXP. DATE	

REVISION	MARK	DATE	DESCRIPTION	APPROVAL

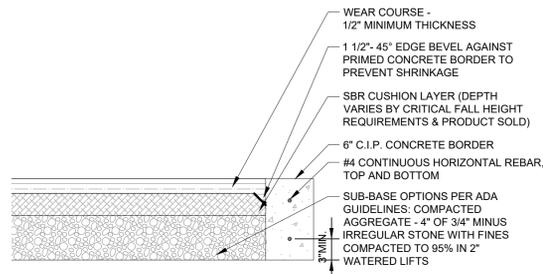
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AS BUILT		DATE	19/28/22

CITY OF BERKELEY  
PARKS, RECREATION & WATERFRONT

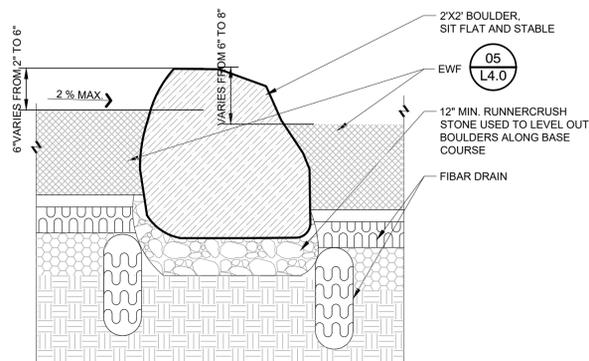
OHLONE PARK EAST IMPROVEMENTS  
LANDSCAPE MATERIALS PLAN

PLAN 8261  
FILE 406-219  
L-2.1  
SHEET 19 OF 40

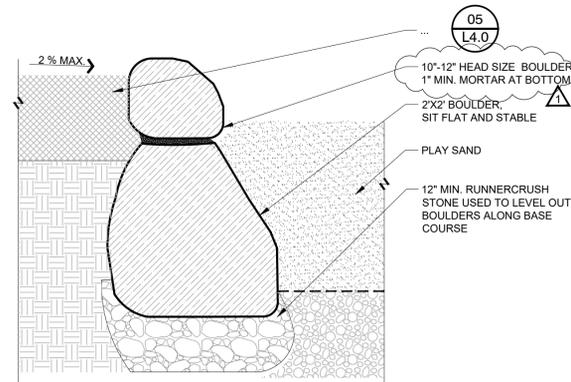
NOTE:  
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.



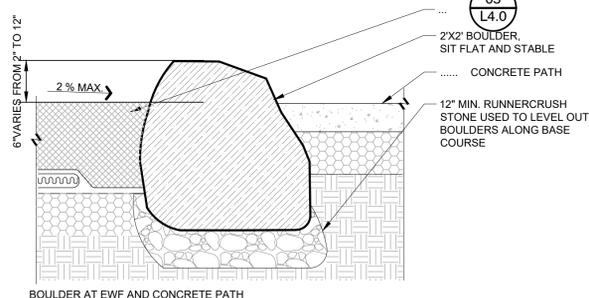
**08 P.I.P. RUBBER, ADD ALT**  
NTS



BOULDER AT EWF



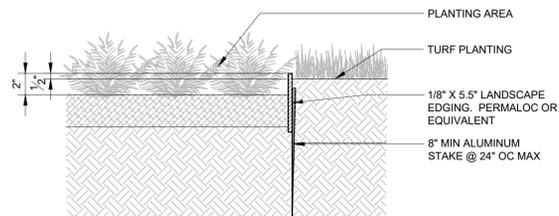
BOULDER AT EWF AND SAND AREA



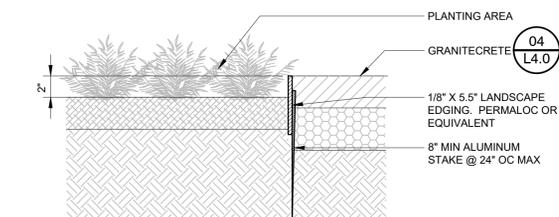
BOULDER AT EWF AND CONCRETE PATH

**07 BOULDER WALL**  
1" = 1'-0"

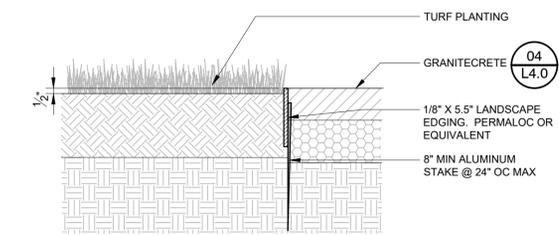
NOTE:  
1. STEEL PIECES SHALL BE 16'-0" MIN IN LENGTH. JOINTS SHALL NOT OCCUR ON TIGHT CURVES.



PLANTING AREA W/ TURF



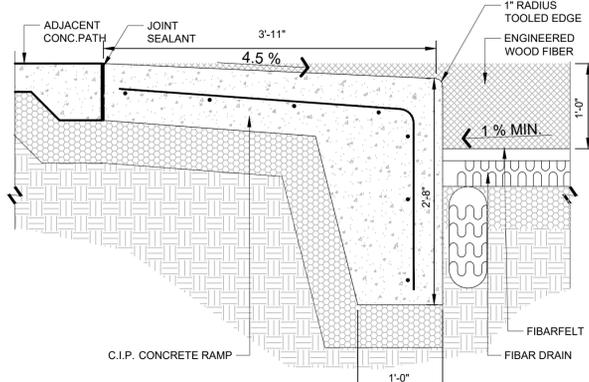
PLANTING AREA W/ GRANITECRETE



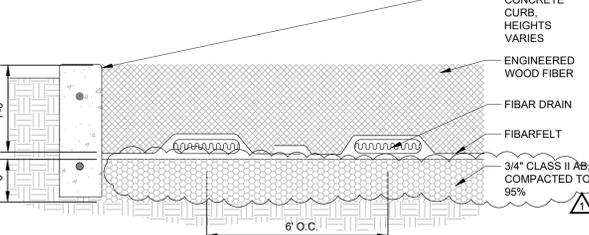
TURF W/ GRANITECRETE

**06 LANDSCAPE EDGING**  
1 1/2" = 1'-0"

NOTES:  
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.  
2. AWARD CONTRACTORS MUST OBTAIN A LICENSE FROM FIBAR, INC. PRIOR TO CONSTRUCTION.  
3. FIBARMAT WEAR MATS MUST BE INSTALLED UNDER ALL SWINGS & SLIDE EXITS TO PRESERVE WARRANTY.

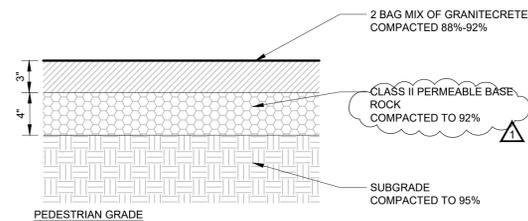


CONDITION AT C.I.P. CONCRETE RAMP AT 2-5 YRS PLAY AREA

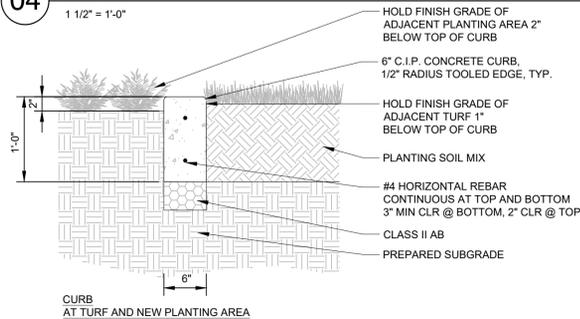


**05 ENGINEERED WOOD FIBER (EWF)**  
NTS

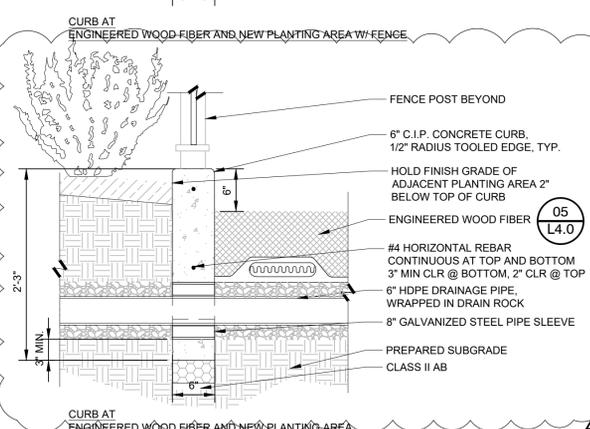
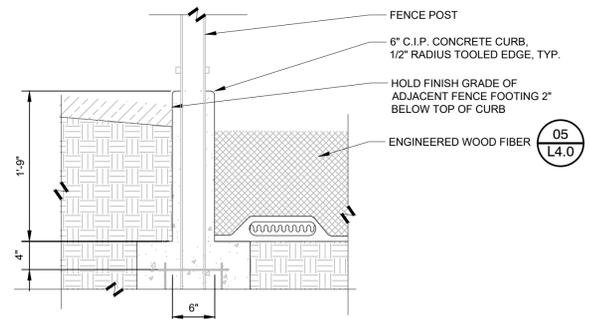
NOTES:  
1. SEE SCHEDULE OF MATERIALS FOR COLOR AND FINISH.



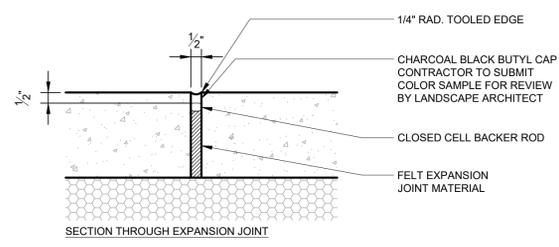
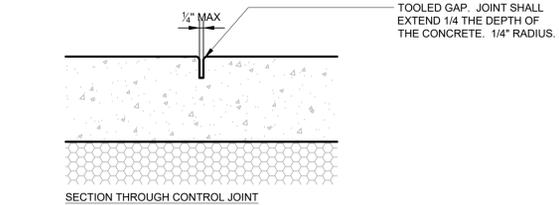
**04 GRANITECRETE PAVING**  
1 1/2" = 1'-0"



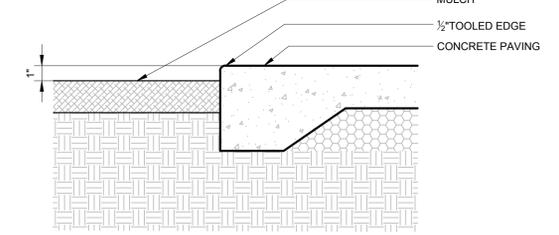
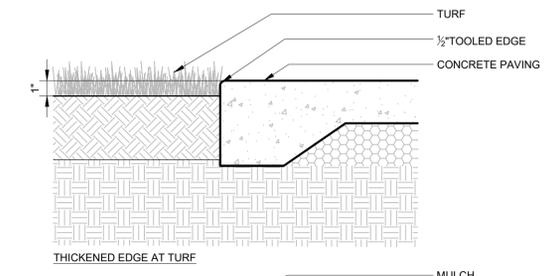
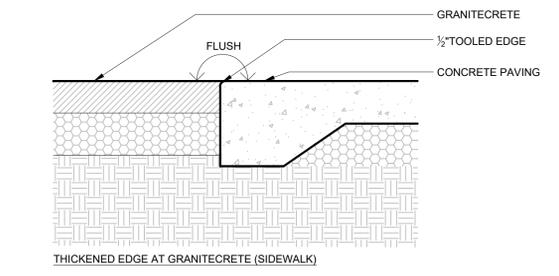
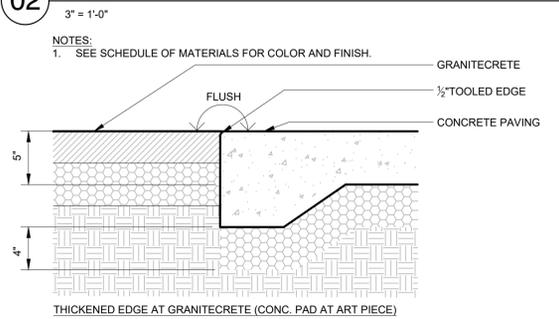
CURB AT TURF AND NEW PLANTING AREA



**03 CONCRETE CURB**  
1" = 1'-0"



**02 CONCRETE JOINTS**  
3" = 1'-0"



**01 C.I.P. CONCRETE PAVING EDGE CONTITIONS**  
1 1/2" = 1'-0"



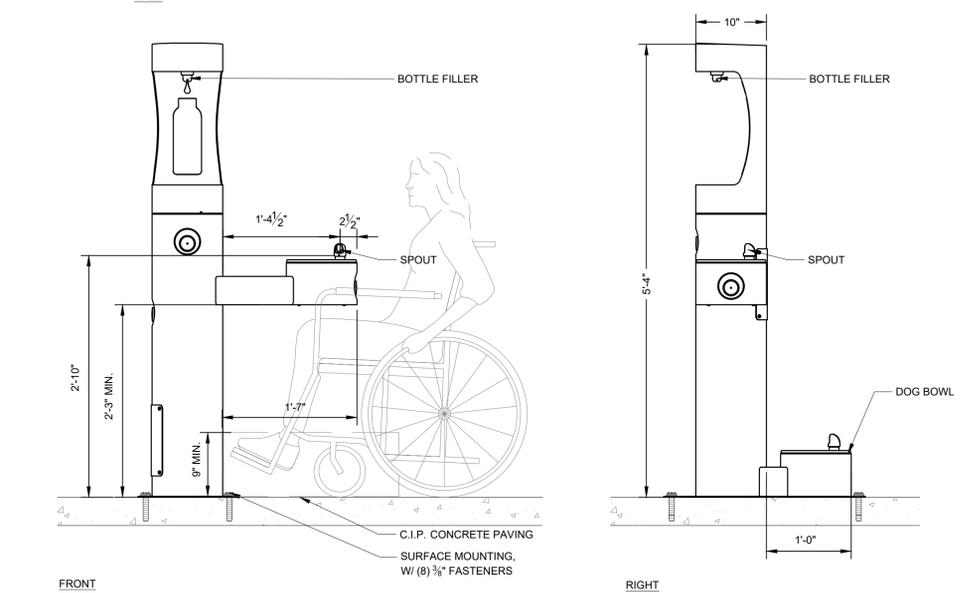
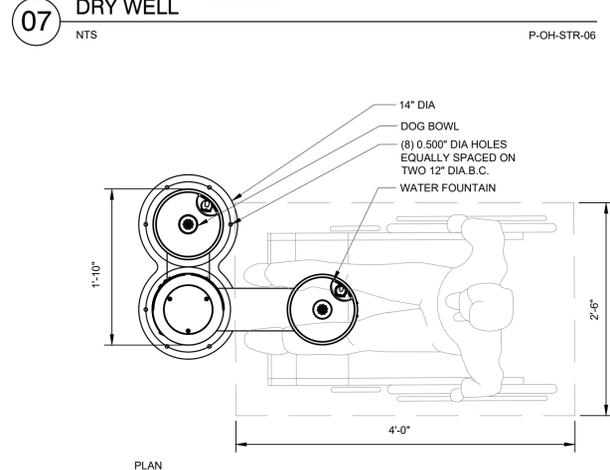
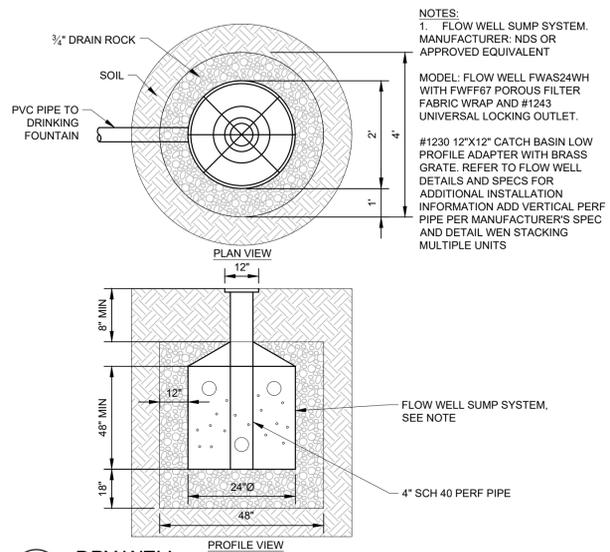
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NAME OF CONSULTANT:	LIC. EXP.:		
FOR REDUCED PLANS - ORIGINAL SCALE IS IN INCHES	REVISION	MARK	DATE
			DESCRIPTION
			APPROVAL

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AS BUILT		DATE	19/28/22

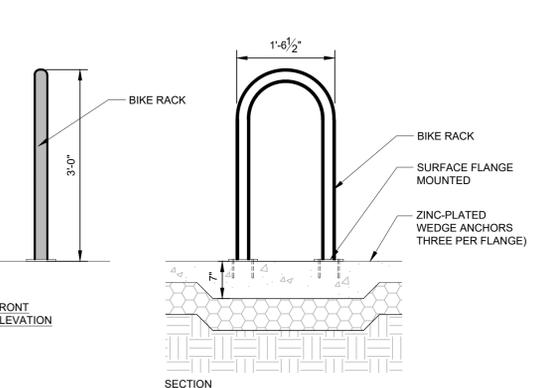
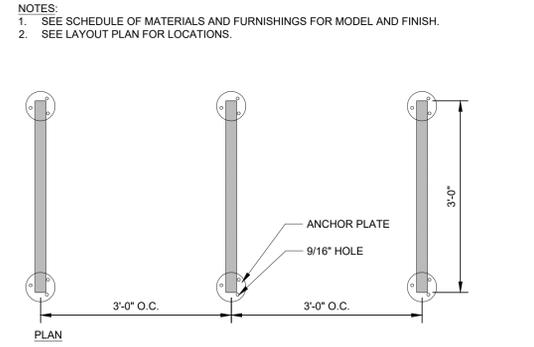
CITY OF BERKELEY  
PARKS, RECREATION & WATERFRONT

OHLONE PARK EAST IMPROVEMENTS  
PAVING AND WALL DETAILS

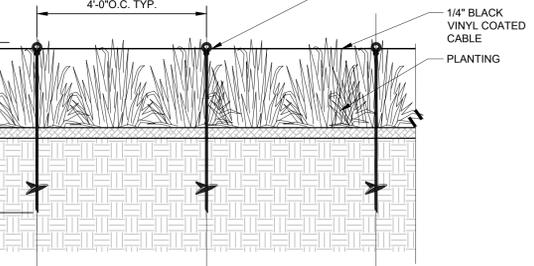
PLAN 8261  
FILE 406-219  
L-40  
SHEET 23 OF 40



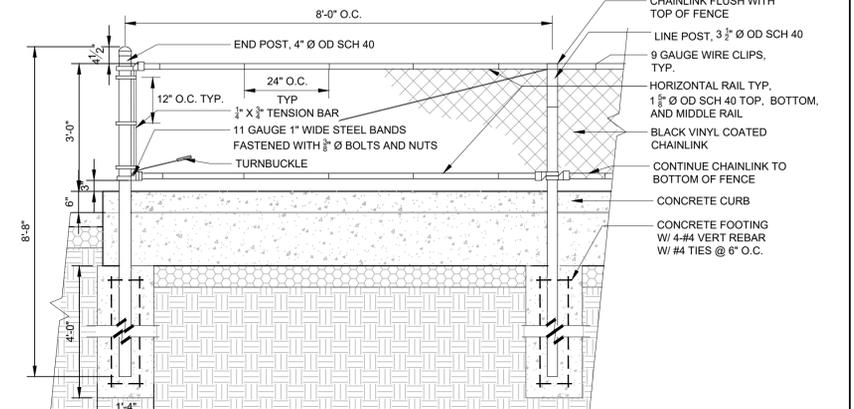
**06 DRINKING FOUNTAIN AND BOTTLE FILLER**  
1" 1'-0" P



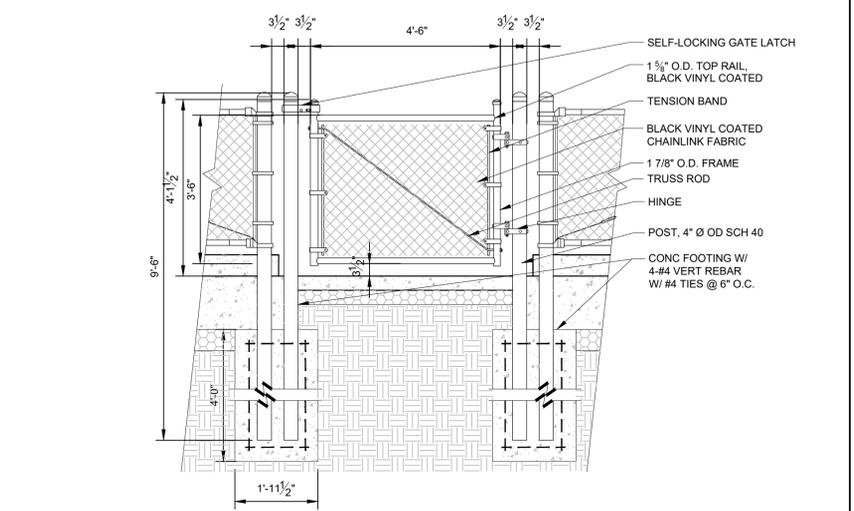
**05 BIKE RACK**  
NTS



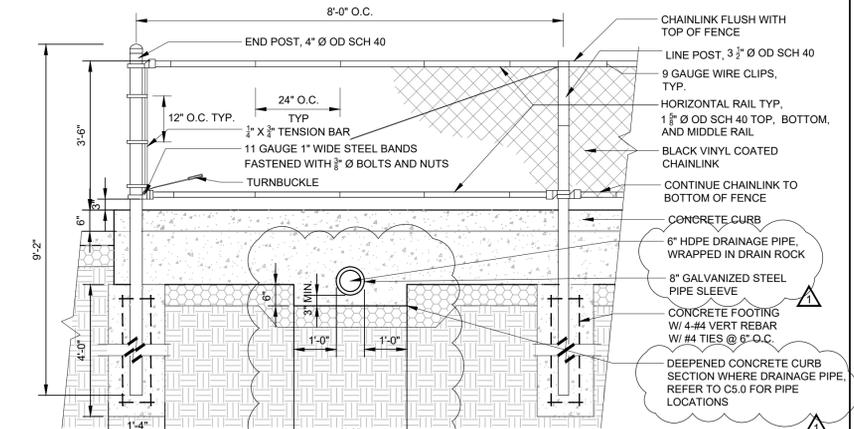
**04 PROTECTIVE FENCE AROUND MURAL GARDEN, ADD ALT**  
1/2" 1'-0" P P-OH-FEN-02



**03 CHAINLINK FENCE 36" TALL**  
1" 1'-0" P



**02 CHAINLINK SINGLE SWING GATE**  
1" 1'-0" P



**01 CHAINLINK FENCE 42" TALL**  
1" 1'-0" P



SUBMITTED:	DATE	10/28/2022	ADDENDUM 2
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CHECK		BOOK	
AS BUILT		DATE	19/28/22

**CITY OF BERKELEY**  
PARKS, RECREATION & WATERFRONT

**OHLONE PARK EAST IMPROVEMENTS**  
AMENITY AND STRUCTURE DETAILS

PLAN 8261  
FILE 406-219  
L-4.2  
SHEET 25 OF 40

# WATER USAGE CALCULATIONS

## WATER DEMAND & EFFICIENCY - OUTDOOR & IRRIGATION

STATION	FLOW RATE (GPM)	IRRIGATION CODE	ZONE SQ. FT.	SUN CODE	ZONE CODE	BOTANICAL NAME OF HIGHEST WATER DEMAND PLANT
C-1	6	R	932	FS	TWR	POA PRATENSIS
C-2	2	B	150	FS	L	CERCIS OCCIDENTALIS
C-3	2	S	446	FS	TWR	POA PRATENSIS
C-5	4	D	419	FS	L	BOUTELOUJA GRACILIS
C-6	2	D	166	FS	M	HEUCHERA MICRANTHA
C-4	1	S	140	FS	TWR	POA PRATENSIS
C-7	3	S	518	FS	TWR	POA PRATENSIS
C-8	2	S	467	FS	TWR	POA PRATENSIS
C-9	6	D	639	SH	M	BOUTELOUJA GRACILIS
C-10	10	R	1469	FS	TWR	POA PRATENSIS
C-11	2	B	150	FS	M	PITTIOSPORUM TENUIFOLIUM
C-12	1	B	150	FS	L	RHAPHIOLEPIS INDICA
C-13	23	R	2926	FS	TWR	POA PRATENSIS
C-14	9	R	1369	FS	TWR	POA PRATENSIS
C-15	6	R	1303	FS	TWR	POA PRATENSIS
C-16	11	R	2154	FS	TWR	POA PRATENSIS
C-17	2	D	195	FS	L	BOUTELOUJA GRACILIS
C-18	1	B	150	FS	M	CLEMATIS LASIANTHA
<b>Total: 13674</b>						

Code	Description	Code	Description	Code	Description
S	Facet spray sprinkler	TC	Cool season turf	/	No supplemental irrigation after establishment - no permanent irrigation system
R	Rotary sprinkler, single nozzle	TR	Cool turf used for recreation	F	Establish - vegetable or orchard
RM	Rotary sprinkler, multiple nozzle	TW	Warm season turf	O	Open - no plants, no irrigation
MT	Multi trajectory, multi stream	TWR	Warm turf used for recreation	A	Artificial ground
W	Water feature	H	Peak supplemental irrigation requirement < 1 day/week	AI	Artificial turf
DP	Drop point source	M	Peak supplemental irrigation requirement 2 days/week	CS	Small planted containers or baskets
DI	Drop inline	L	Peak supplemental irrigation requirement < 1 day/week	CL	Large planted containers
B	Bubblers - < 0.25 GPM	VI	Peak supplemental irrigation requirement < 1 day/week	P	Pool or spa, uncovered
MS	Micro-spray, gals per hour	W	Water feature - ornamental		

OTHER USE	TYPE	SQ. FT.
Swimming pool		
Spa / Hot Tub		
Water feature		
<b>Total:</b>		<b>0</b>

FEATURE	QTY	FUD	TD
Hose bibb	0		
<b>Total outdoor FUD</b>			

## WATER USE ESTIMATION

WATER TYPE	POTABLE
SITE ET&E	39.6

HYDROZONE #	HYDROZONE NAME	PLANT WATER USE TYPE	PLANT FACTOR (PF)	IRRIGATION METHOD	IRRIGATION EFFICIENCY	ETAF (PF/E)	AREA (SQ. FT.) (HA)	ETAF x AREA (HA)	ETWU (GAL/YR)	ACRE FEET/YEAR	HCF/YEAR	PERCENTAGE OF LANDSCAPE
1	LAWN	MCD	0.5	ROTORS	0.75	0.687	932	621	15,255	0.06	20.39	7%
2	TREES	LOW	0.3	BUBBLER	0.81	0.370	150	56	1,364	0.00	1.82	1%
3	LAWN	MCD	0.5	SPRAY	0.75	0.667	446	297	7,300	0.02	9.76	3%
4	SHRUBS/GC	HIGH	0.8	DRIP	0.81	0.588	419	414	10,160	0.01	13.56	3%
5	SHRUBS/GC	HIGH	0.8	DRIP	0.81	0.588	166	164	4,025	0.01	5.38	1%
6	LAWN	MCD	0.5	SPRAY	0.75	0.667	140	99	2,292	0.01	3.06	1%
7	LAWN	MCD	0.5	SPRAY	0.75	0.667	518	345	8,479	0.03	11.34	4%
8	LAWN	MCD	0.5	SPRAY	0.75	0.667	467	311	7,644	0.02	10.22	3%
9	SHRUBS/GC	HIGH	0.8	DRIP	0.81	0.588	639	631	15,495	0.05	20.72	5%
10	LAWN	MCD	0.5	ROTORS	0.75	0.667	1,469	979	24,045	0.07	32.15	11%
11	TREES	HIGH	0.8	BUBBLER	0.81	0.588	150	148	3,637	0.01	4.86	1%
12	SHRUBS/GC	HIGH	0.8	BUBBLER	0.81	0.588	15	15	364	0.00	0.49	0%
13	LAWN	LOW	0.3	ROTORS	0.75	0.400	2,926	1,170	28,736	0.09	38.42	21%
14	LAWN	MCD	0.5	ROTORS	0.75	0.667	1,569	1,046	25,681	0.08	34.33	11%
15	LAWN	LOW	0.3	ROTORS	0.75	0.400	1,303	521	12,797	0.04	17.11	10%
16	LAWN	MCD	0.5	ROTORS	0.75	0.667	2,145	1,430	35,109	0.11	46.94	19%
17	SHRUBS/GC	LOW	0.3	DRIP	0.81	0.370	195	72	1,773	0.01	2.37	1%
18	VINES	MCD	0.5	DRIP	0.81	0.617	25	15	379	0.00	0.51	0%
<b>TOTALS</b>							<b>13,674</b>	<b>8,331</b>	<b>204,534</b>	<b>0.63</b>	<b>273.44</b>	<b>100%</b>

HYDROZONE #	HYDROZONE NAME	1	12,110	89%
1,3,6,7,8,10,13,14,15,16,17	LAWN			
<b>TOTALS</b>			<b>12,110</b>	<b>89%</b>

MAWA	GALLONS/YR	314,604
	ACRE FEET/YR	0.97
	HCF/YR	420.59

MAWA FORMULA
MAXIMUM APPLIED WATER ALLOWANCE (MAWA) GALLONS PER YEAR
MAWA = (ET <sub>o</sub> ) (0.62) [(LA x 0.45) + (0.55 x SLA)]

ETWU FORMULA
ESTIMATED TOTAL WATER USE (ETWU) GALLONS PER YEAR
ETWU = (ET <sub>o</sub> ) (0.62) (ETAF x LA)

ETWU	GALLONS/YR	204,534
	ACRE FEET/YR	0.63
	HCF/YR	273.44

ET<sub>o</sub> = REFERENCE EVAPOTRANSPIRATION  
 0.55 = ET ADJUSTMENT FACTOR  
 LA = LANDSCAPED AREA (SQUARE FEET)  
 0.62 = CONVERSION FACTOR (GALLONS/SQ. FT/YR)

SITE IRRIGATION EFFICIENCY	SITE PLANT FACTOR	MAWA COMPLIANT
12.7%	0.09	YES

E = IRRIGATION EFFICIENCY (0.81) BUBBLER/DRIP  
 E = IRRIGATION EFFICIENCY (0.75) ROTORS/SPRAY

ETAF Calculations	
TOTAL ETAF x AREA	8.331
TOTAL AREA	13,674
AVG. ETAF	60.92%

## IRRIGATION NOTES

- THESE IRRIGATION DRAWINGS ARE DIAGRAMMATIC AND INDICATIVE OF THE WORK TO BE INSTALLED. ALL PIPING, VALVES, AND OTHER IRRIGATION COMPONENTS MAY BE SHOWN WITHIN PAVED AREAS FOR GRAPHIC CLARITY ONLY AND ARE TO BE INSTALLED WITHIN PLANTING AREAS. DUE TO THE SCALE OF THE DRAWINGS, IT IS NOT POSSIBLE TO INDICATE ALL OFFSETS, FITTINGS, SLEEVES, CONDUIT, AND OTHER ITEMS WHICH MAY BE REQUIRED. INVESTIGATE THE STRUCTURAL AND FINISHED CONDITION AFFECTING THE CONTRACT WORK INCLUDING OBSTRUCTIONS, GRADE DIFFERENCES OR AREA DIMENSIONAL DIFFERENCES. IN THE EVENT OF FIELD DISCREPANCY WITH CONTRACT DOCUMENTS, PLAN THE INSTALLATION WORK ACCORDINGLY BY NOTIFICATION AND APPROVAL OF THE OWNER'S AUTHORIZED REPRESENTATIVE AND ACCORDING TO THE CONTRACT SPECIFICATIONS. NOTIFY AND COORDINATE IRRIGATION CONTRACT WORK WITH APPLICABLE CONTRACTORS FOR THE LOCATION AND INSTALLATION OF PIPE, CONDUIT OR SLEEVES THROUGH OR UNDER WALLS, ROADWAYS, PAVING AND STRUCTURES BEFORE CONSTRUCTION. IN THE EVENT THESE NOTIFICATIONS ARE NOT PERFORMED, THE CONTRACTOR ASSUMES FULL RESPONSIBILITY FOR REQUIRED REVISIONS.
- THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES, STANDARDS, AND REGULATIONS. ALL WORK AND MATERIALS SHALL BE IN FULL ACCORDANCE WITH THE LATEST RULES AND REGULATIONS OF THE NATIONAL ELECTRIC CODE; THE UNIFORM PLUMBING CODE, PUBLISHED BY THE WESTERN PLUMBING OFFICIALS ASSOCIATION; AND OTHER STATE OR LOCAL LAWS OR REGULATIONS. NOTHING IN THESE DRAWINGS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES OR REGULATIONS. THE CONTRACTOR SHALL FURNISH WITHOUT ANY EXTRA CHARGE, ANY ADDITIONAL MATERIAL AND LABOR WHEN REQUIRED BY THE COMPLIANCE WITH THESE CODES AND REGULATIONS.
- THE CONTRACTOR SHALL COORDINATE INSTALLATION OF IRRIGATION SYSTEM WITH LAYOUT AND INSTALLATION OF THE PLANT MATERIALS TO INSURE THAT THERE WILL BE COMPLETE AND UNIFORM IRRIGATION COVERAGE OF PLANTING IN ACCORDANCE WITH THESE DRAWINGS, AND CONTRACT DOCUMENTS. THE IRRIGATION LAYOUT SHALL BE CHECKED BY THE CONTRACTOR AND OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO CONSTRUCTION TO DETERMINE IF ANY CHANGES, DELETIONS, OR ADDITIONS ARE REQUIRED. IRRIGATION SYSTEM SHALL BE INSTALLED AND TESTED PRIOR TO INSTALLATION OF PLANT MATERIAL.
- THE INTENT OF THIS IRRIGATION SYSTEM IS TO PROVIDE THE MINIMUM AMOUNT OF WATER REQUIRED TO SUSTAIN GOOD PLANT HEALTH.
- IT IS THE RESPONSIBILITY OF THE MAINTENANCE CONTRACTOR AND/OR OWNER TO PROGRAM THE IRRIGATION CONTROLLER(S) TO PROVIDE THE MINIMUM AMOUNT OF WATER NEEDED TO SUSTAIN GOOD PLANT HEALTH. THIS INCLUDES MAKING ADJUSTMENTS TO THE PROGRAM FOR SEASONAL WEATHER CHANGES, PLANT MATERIAL, WATER REQUIREMENTS, MOUNDS, SLOPES, SUN, SHADE AND WIND EXPOSURE.
- INSTALL 3" DETECTABLE TAPE ABOVE ALL PRESSURIZED MAIN LINES AS DETAILED. USE CHRISTY MODEL #TA-DT-3-BIRR FOR POTABLE IRRIGATION SYSTEMS IRRIGATION WATER SYSTEMS.
- IT IS THE RESPONSIBILITY OF A LICENSED ELECTRICAL CONTRACTOR TO PROVIDE 120 VOLT A.C. (2.5 AMP DEMAND PER CONTROLLER) ELECTRICAL SERVICE TO THE CONTROLLER LOCATION(S). IT IS THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR TO COORDINATE THE ELECTRICAL SERVICE STUB-OUT TO THE CONTROLLER(S). PROVIDE PROPER GROUNDING PER CONTROLLER MANUFACTURER'S INSTRUCTIONS AND IN ACCORDANCE WITH LOCAL CODES.
- PROVIDE EACH CONTROLLER WITH ITS OWN GROUND ROD. SEPARATE THE GROUND RODS BY A MINIMUM OF EIGHT FEET. THE GROUND ROD SHALL BE AN EIGHT FOOT LONG BY 5/8" DIAMETER U.L. APPROVED COPPER CLAD ROD. INSTALL NO MORE THAN 6" OF THE GROUND ROD ABOVE FINISH GRADE. CONNECT #6 GAUGE WIRE WITH A U.L. APPROVED GROUND ROD CLAMP TO ROD AND BACK TO GROUND SCREW AT BASE OF CONTROLLER WITH APPROPRIATE CONNECTOR. MAKE THIS WIRE AS SHORT AS POSSIBLE, AVOIDING KINKS OR BENDING.
- PROVIDE EACH IRRIGATION CONTROLLER WITH ITS OWN INDEPENDENT LOW VOLTAGE COMMON GROUND WIRE.
- IRRIGATION CONTROL WIRES: SOLID COPPER WITH U.L. APPROVAL FOR DIRECT BURIAL IN GROUND. COMMON GROUND WIRE: SIZE #12-1 WIRE WITH A WHITE INSULATING JACKET. CONTROL WIRE
- SERVICING REMOTE CONTROL VALVES: SIZE #14-1 WIRE WITH INSULATING JACKET OF COLOR OTHER THAN WHITE. SPLICES SHALL BE MADE WITH 3M-DBY SEAL PACKS OR APPROVED EQUAL.
- INSTALL TWO SPARE CONTROL WIRES OF A DIFFERENT COLOR ALONG THE ENTIRE MAIN LINE. LOOP 36" EXCESS WIRE INTO EACH SINGLE VALVE BOX AND INTO ONE VALVE BOX IN EACH GROUP OF VALVES.
- SPICING OF LOW VOLTAGE WIRES IS PERMITTED IN VALVE BOXES ONLY. LEAVE A 36" LONG, 1" DIAMETER COIL OF EXCESS WIRE AT EACH SPLICE AND A 36" LONG EXPANSION LOOP EVERY 100 FEET ALONG WIRE RUN. TAPE WIRES TOGETHER EVERY TEN FEET. DO NOT TAPE WIRES TOGETHER WHERE CONTAINED WITHIN SLEEVING OR CONDUIT.
- VALVE BOXES IN TURF AREAS: INSTALL GREEN PLASTIC VALVE BOXES WITH BOLT DOWN, NON HINGED COVER MARKED "IRRIGATION CONTROL VALVE". BOX BODY SHALL HAVE KNOCK OUTS. ACCEPTABLE VALVE BOX MANUFACTURER'S INCLUDE NDS, CARSON OR APPROVED EQUAL.
- VALVE BOXES WITHIN PLANTED AREA WITH MULCH: INSTALL BLACK PLASTIC VALVE BOXES WITH BOLT DOWN, NON HINGED COVER MARKED "IRRIGATION CONTROL VALVE". BOX BODY SHALL HAVE KNOCK OUTS. ACCEPTABLE VALVE BOX MANUFACTURER'S INCLUDE NDS, CARSON OR APPROVED EQUAL.
- VALVE BOXES WITHIN HARDSCAPE AND DG AREAS: INSTALL REMOTE CONTROL VALVES IN A RECTANGULAR CONCRETE VALVE BOX. CHRISTY MODEL B09BOX WITH A CHRISTY NO9R LID OR APPROVED EQUAL. GATE VALVES AND QUICK COUPLING VALVES SHALL BE IN A 10" ROUND CONCRETE BOX BY CHRISTY, MODEL NO. F08.
- INSTALL REMOTE CONTROL VALVE BOXES 12" FROM WALK, CURB, BUILDING OR LANDSCAPE FEATURE. AT MULTIPLE VALVE BOX GROUPS, INSTALL EACH BOX AN EQUAL DISTANCE FROM THE WALK, CURB, BUILDING OR LANDSCAPE FEATURE AND PROVIDE 12" BETWEEN BOX TOPS. ALIGN THE SHORT SIDE OF RECTANGULAR VALVE BOXES PARALLEL TO WALK, CURB, BUILDING OR LANDSCAPE FEATURE.
- VALVE LOCATIONS SHOWN ARE DIAGRAMMATIC. INSTALL IN GROUND COVER/SHRUB AREAS (AVOID LAWN AREAS WHERE POSSIBLE).
- THE CONTRACTOR SHALL LABEL CONTROL LINE WIRE AT EACH REMOTE CONTROL VALVE WITH A 2 1/4" X 2 3/4" POLYURETHANE I.D. TAG, INDICATING IDENTIFICATION NUMBER OF VALVE (CONTROLLER AND STATION NUMBER). ATTACH LABEL TO CONTROL WIRE. THE CONTRACTOR SHALL PERMANENTLY STAMP ALL VALVE BOX LIDS WITH APPROPRIATE IDENTIFICATION AS NOTED IN CONSTRUCTION DETAILS.
- THE REMOTE CONTROL VALVES SPECIFIED ON THE DRAWINGS IS A PRESSURE REDUCING TYPE. SET THE DISCHARGE PRESSURE AS FOLLOWS:
  - A. SPRAY HEADS=40 PSI
  - B. ROTARY HEADS=60 PSI
  - C. DRIP EMITTERS=35 PSI
  - D. BUBBLERS= 30 PSI
- FLUSH AND ADJUST IRRIGATION OUTLETS AND NOZZLES FOR OPTIMUM PERFORMANCE AND TO PREVENT OVER SPRAY ONTO WALKS, ROADWAYS, AND/OR BUILDINGS. SELECT THE BEST DEGREE OF THE ARC AND RADIUS TO FIT THE EXISTING SITE CONDITIONS AND THROTTLE THE FLOW CONTROL AT EACH VALVE TO OBTAIN THE OPTIMUM OPERATING PRESSURE FOR EACH CONTROL ZONE.
  - 21. SET SPRINKLER HEADS PERPENDICULAR TO FINISH GRADE.
  - 22. LOCATE EMITTER OUTLETS ON UPHILL SIDE OF PLANT OR TREE.
  - 23. LOCATE BUBBLERS ON UPHILL SIDE OF PLANT OR TREE.
- WHERE IT IS NECESSARY TO EXCAVATE ADJACENT TO EXISTING TREES, USE CAUTION TO AVOID INJURY TO TREES AND TREE ROOTS. EXCAVATE BY HAND IN AREAS WHERE TWO (2) INCH AND LARGER ROOTS OCCUR. BACK FILL TRENCHES ADJACENT TO TREE WITHIN TWENTY-FOUR (24) HOURS. WHERE THIS IS NOT POSSIBLE, SHADE THE SIDE OF THE TRENCH ADJACENT TO THE TREE WITH WET BURLAP OR CANVAS.
- NOTIFY LOCAL JURISDICTIONS FOR INSPECTION AND TESTING OF INSTALLED BACKFLOW PREVENTION DEVICE.
- THE IRRIGATION SYSTEM DESIGN IS BASED ON THE MINIMUM OPERATING PRESSURE SHOWN ON THE IRRIGATION DRAWINGS. VERIFY WATER PRESSURE PRIOR TO CONSTRUCTION. REPORT ANY DIFFERENCE BETWEEN THE WATER PRESSURE INDICATED ON THE DRAWINGS AND THE ACTUAL PRESSURE READING AT THE IRRIGATION POINT OF CONNECTION TO THE OWNER'S AUTHORIZED REPRESENTATIVE.
- IRRIGATION DEMAND: REFER TO PLANS.
- THE EXISTING MAIN LINE SHOWN ON THE DRAWINGS IS DIAGRAMMATIC. VERIFY AND LOCATE EXISTING MAIN LINE IN FIELD. REPORT TO ARCHITECT IN WRITING ANY DEVIATION OF EXISTING MAIN LINE LOCATION FROM THAT SHOWN ON THE DRAWINGS.
- PIPE THREAD SEALANT COMPOUND SHALL BE RECTOR SEAL #5.
- THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR MINOR CHANGES IN THE IRRIGATION LAYOUT DUE TO OBSTRUCTIONS NOT SHOWN ON THE IRRIGATION DRAWINGS SUCH AS LIGHTS, FIRE HYDRANTS, SIGNS, ELECTRICAL ENCLOSURES, ETC.
- THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR CHANGES IN THE IRRIGATION LAYOUT AND VALVE ZONING DUE TO VARIATIONS IN THE EXISTING SITE CONDITIONS SUCH AS EXPOSURE FROM BUILDINGS, TRELLISES, TREES, ETC., AS WELL AS SLOPE AND SOIL CONDITIONS. THE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT AND IRRIGATION CONSULTANT OF THE PROPOSED CHANGES PRIOR TO INSTALLATION FOR APPROVAL.
- THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR ADJUSTING THE IRRIGATION SYSTEM DESIGN IF THE PLANTING DESIGN CHANGES FROM THE ORIGINAL PLAN AND NEEDS TO ADAPT TO THE NEW PLANTING DESIGN. THE LANDSCAPE CONTRACTOR NEEDS TO NOTIFY THE LANDSCAPE ARCHITECT AND IRRIGATION CONSULTANT OF PROPOSED CHANGES PRIOR TO INSTALLATION FOR APPROVAL.
- WHEN WORK OF THIS SECTION HAS BEEN COMPLETED AND SUCH OTHER TIMES AS MAY BE DIRECTED, REMOVE ALL TRASH, DEBRIS, SURPLUS MATERIALS AND EQUIPMENT FROM SITE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPLEMENTAL HAND WATERING OF ALL PLANT MATERIAL WITHIN DRIPLINE AREAS UNTIL THE PLANTS ARE SUFFICIENTLY ESTABLISHED.



DATE SUBMITTED:	DATE LIC. EXP.
10/28/2022	

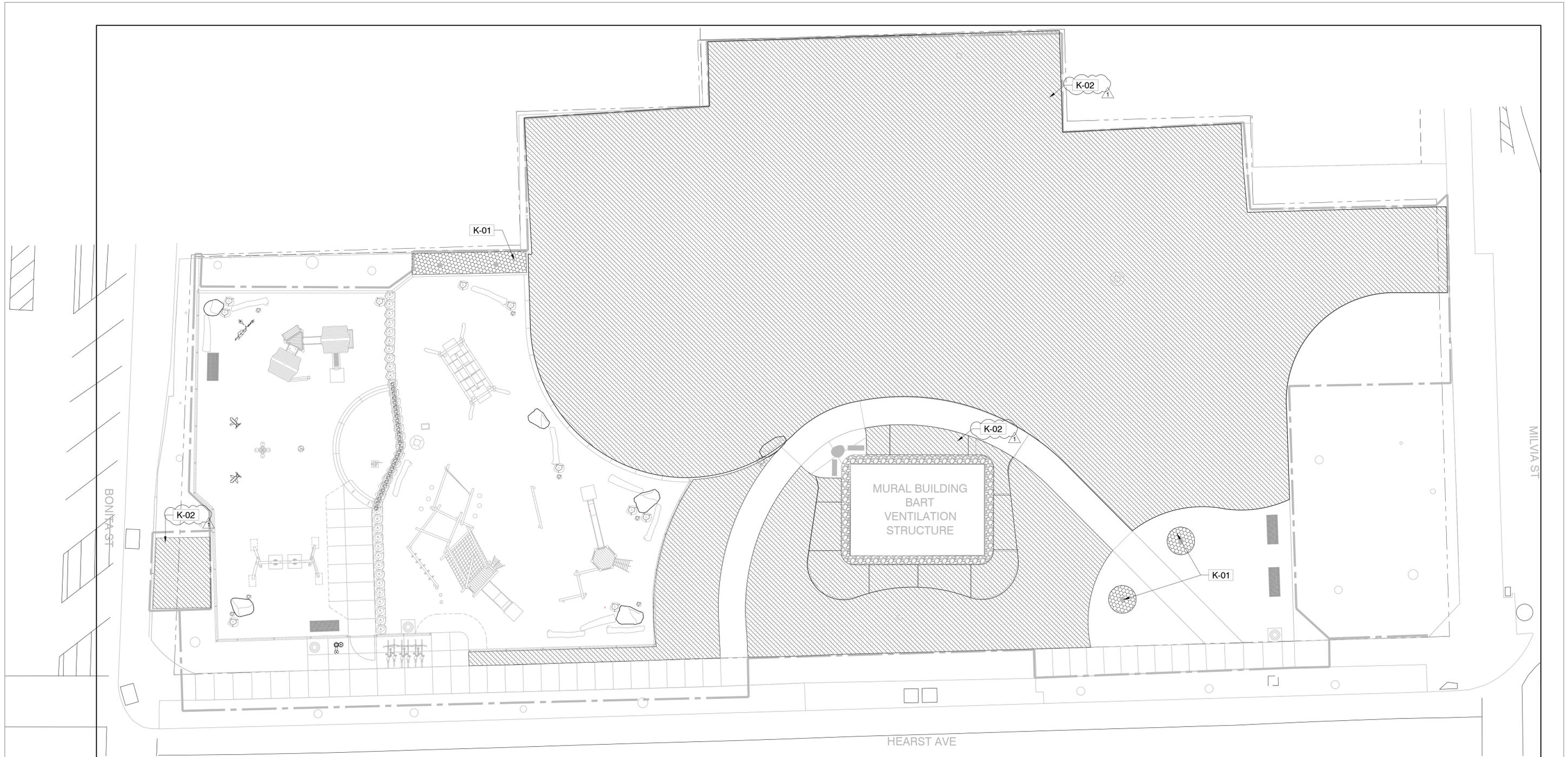
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CITY OF BERKELEY  
 PARKS, RECREATION & WATERFRONT

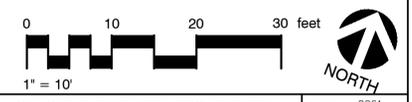
OHLONE PARK EAST IMPROVEMENTS  
 IRRIGATION NOTES

PLAN 8261  
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**I-51**  
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**SOILS PLAN SCHEDULE**

SYMBOL	DESCRIPTION	QTY
 K-01	30" MIN. DEEP IMPORTED PLANTING SOIL MIX. EXCAVATE EXISTING MATERIAL TO ACCOMMODATE SOIL DEPTH, MULCH, AND DRAIN ROCK WHERE APPLICABLE	171 SF
 K-02	12" MIN. DEEP IMPORTED PLANTING SOIL MIX.	17,375 SF



SUBMITTED: _____	DATE: 10/28/2022	ADDENDUM 2
NAME OF CONSULTANT: _____	LIC. EXP. _____	
FOR REDUCED PLANS - ORIGINAL SCALE IS IN INCHES	REVISION	MARK
	DATE	DESCRIPTION
		APPROVAL

DESIGN	YD	HORIZ.	AS NOTED
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AS BUILT		DATE	19/28/22

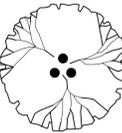
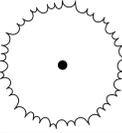
CITY OF BERKELEY  
PARKS, RECREATION & WATERFRONT

OHLONE PARK EAST IMPROVEMENTS  
SOILS PLAN

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BID SET

### TREES AND SOD PLANTING SCHEDULE

TREES	CODE	BOTANICAL NAME	COMMON NAME	SIZE	WATER USAGE	CA NATIVE	QTY
	CER WES	CERCIS OCCIDENTALIS	WESTERN REDBUD MULTI-TRUNK	24"BOX	LOW	YES	2
	OLE PUR	OLEA PURPUREA	OLIVE TREE	15 GAL	LOW	NO	2
SOD PLANTING	CODE	BOTANICAL NAME	COMMON NAME	CONT	WATER USAGE	CA NATIVE	QTY
	POA PRA	POA PRATENSIS	KENTUCKY BLUEGRASS	SOD	-	NO	15,542 SF

### PLAYGROUND PLANTING SCHEDULE

ANNUALS AND BULBS	CODE	BOTANICAL NAME	COMMON NAME	SIZE	WATER USAGE	CA NATIVE	QTY
	TRI LAX	TRITELEIA LAXA	ITHURIEL'S SPEAR	1 GAL	LOW	YES	22
GRASSES	CODE	BOTANICAL NAME	COMMON NAME	SIZE	WATER USAGE	CA NATIVE	QTY
	BOU GRA	BOUTELOUA GRACILIS	BLUE GRAMA GRASS	1 GAL	LOW	YES	57
	CAR PRA	CAREX PRAEGRACILIS	CALIFORNIA FIELD SEDGE	4" POT	MEDIUM	YES	398
SHRUBS, VINES AND FERNS	CODE	BOTANICAL NAME	COMMON NAME	SIZE	WATER USAGE	CA NATIVE	QTY
	ARC RAD	ARCTOSTAPHYLOS UVA-URSI 'RADIANT'	RADIANT KINNIKINNICK	5 GAL	LOW	YES	7
	CLE LAS	CLEMATIS LASIANTHA	CHAPARRAL CLEMATIS	1 GAL	MEDIUM	NO	5
	ARI CAL	ARISTOLOCHIA CALIFORNICA	CALIFORNIA DUTCHMAN'S PIPE	1 GAL	MEDIUM	NO	3
	SAL SPA	SALVIA SPATHACEA	HUMMINGBIRD SAGE	1 GAL	LOW	NO	19

### PLANTING NOTES

- PLANT MATERIAL TO BE HEALTHY, FREE FROM DISEASE OR DAMAGE, AND IS TO BE MAINTAINED IN EXCELLENT CONDITION WHILE ON THE JOBSITE. LANDSCAPE ARCHITECT WILL INSPECT PLANT MATERIAL UPON ARRIVAL TO JOBSITE AND WILL REJECT PLANT MATERIAL THAT DOES NOT MEET THE STANDARDS DESCRIBED WITHIN THE CONTRACT DOCUMENTS.
- THE LANDSCAPE ARCHITECT WILL PERIODICALLY INSPECT PLANT MATERIAL STOCKPILED AND/OR PLANTED ON SITE DURING THE COURSE OF CONSTRUCTION. PLANT MATERIAL NOT MEETING THE STANDARDS CONTAINED WITHIN CONTRACT DOCUMENTS SHALL BE REPLACED AT SOLE EXPENSE OF CONTRACTOR.
- PROVIDE MATCHING SIZES AND FORMS FOR EACH PLANT OF THE SAME SPECIES UNLESS OTHERWISE INDICATED.
- VERIFY ALL QUANTITIES. IN CASE OF DISCREPANCIES, LISTED QUANTITIES SHALL TAKE PRECEDENCE OVER LISTED QUANTITIES.
- ALL MATERIALS USED SHALL CONFORM TO THE GUIDELINES ESTABLISHED BY THE CURRENT AMERICAN STANDARDS FOR NURSERY STOCK, PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN. REFER TO PLANT SPECIFICATIONS.
- ALL PLANT MATERIAL SHALL BE INSTALLED PLUMB AND PER THE SPECIFICATIONS 329300 "PLANTS" CONTAINED WITHIN THE CONTRACT DOCUMENTS. ANY NECESSARY STAKING AND/OR OTHER SUPPORTS MATERIALS/METHODS SHALL BE SUBMITTED TO THE LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.
- PRUNE TREES ONLY PER WRITTEN DIRECTION OF A CITY APPROVED INDEPENDENT ARBORIST OR LANDSCAPE ARCHITECT.
- STAKE THE LOCATIONS FOR LAYOUT OF ALL TREES AND 5-GAL OR LARGER SHRUBS FOR LANDSCAPE ARCHITECT REVIEW AND APPROVAL, PRIOR TO INSTALLATION.
- ALL ROOT-WRAPPING MATERIALS THAT ARE NOT BIO-DEGRADABLE SHALL BE REMOVED FROM THE ROOT BALL JUST BEFORE PLANTING.
- ROOT BALLS OF ALL NEW PLANTS SHALL BE FREE OF WEEDS.
- SPECIFIED PLANT MATERIAL SIZES SHALL BE CONSIDERED MINIMUM SIZES. LARGER SIZES ARE GENERALLY ACCEPTABLE.
- FINISH GRADE OF PLANTING BEDS SHALL BE TWO (2) INCH BELOW ADJACENT FLATWORK, UNLESS SPECIFIED OTHERWISE.
- PLACE MULCH IN ALL PLANTING AREAS. MULCH OR PLANTING BED DRESSING SHALL NOT BE PLACED WITHIN TWELVE INCHES OF TREE TRUNKS OR WITHIN THREE TO SIX INCHES OF SHRUB STEMS. MULCH TO BE APPLIED AT 3 INCH DEPTH.
- ALL PLANT AMENDMENT MATERIALS AND FERTILIZERS SHALL BE ORGANIC. THE USE OF SYNTHETIC FERTILIZERS IS PROHIBITED ON THIS PROJECT.
- EXCESS FERTILIZER SHALL BE DISPOSED OF PROPERLY OFF-SITE. IT SHALL NOT BE DISPOSED OF IN STORM DRAINS.
- STOCKPILED PLANT MATERIAL TO BE PLACED IN THE SHADE AND PROPERLY HAND-WATERED UNTIL PLANTED.
- PRESERVE AND PROTECT ALL EXISTING VEGETATION TO REMAIN THROUGHOUT THE DURATION OF CONSTRUCTION.

### MURAL GARDEN PLANTING SCHEDULE

PLANT SCHEDULE MURAL GARDEN							
ANNUALS AND BULBS	CODE	BOTANICAL NAME	COMMON NAME	SIZE	WATER USAGE	CA NATIVE	QTY
	ALL UNI	ALLIUM UNIFOLIUM	ONELEAF ONION	BULB	LOW	YES	38
	CLA AMO	CLARKIA AMOENA	FAREWELL TO SPRING	1 GAL	LOW	YES	9
GRASSES	CODE	BOTANICAL NAME	COMMON NAME	SIZE	WATER USAGE	CA NATIVE	QTY
	BOU GRA	BOUTELOUA GRACILIS	BLUE GRAMA GRASS	1 GAL	LOW	YES	99
	FES GLA	FESTUCA GLAUCA	BLUE FESCUE	5 GAL	LOW	NO	45
	JUN PAT	JUNCUS PATENS	CALIFORNIA GRAY RUSH	1 GAL	LOW	YES	6
PERENNIALS	CODE	BOTANICAL NAME	COMMON NAME	SIZE	WATER USAGE	CA NATIVE	QTY
	ACH MIL	ACHILLEA MILLEFOLIUM YELLOW	COMMON YARROW	1 GAL	LOW	YES	5
	ASC FAS	ASCLEPIAS FASCICULARIS	NARROWLEAF MILKWEED	1 GAL	LOW	YES	2
	CAM CER	CAMISSONIOPSIS CHEIRANTHIFOLIA	BEACH EVENING PRIMROSE	1 GAL	LOW	YES	11
	EPI HUM	EPIOBIUM CANUM RED	CALIFORNIA FUCHSIA	1 GAL	LOW	YES	2
	ERY CA2	ERYTHRANTHE CARDINALIS	SCARLET MONKEYFLOWER	1 GAL	LOW	YES	1
	ESC CAL	ESCHSCHOLZIA CALIFORNICA 'ALBA' ESCHSCHOLZIA 'PURPLE GLEAM', ESCHSCHOLZIA 'RED GLOW'	CALIFORNIA POPPY	4" POT	LOW	YES	17
	HEU MAX	HEUCHERA MAXIMA	ISLAND ALUM ROOT	5 GAL	MEDIUM	YES	35
	IRI IRI	IRIS DOUGLASIANA	DOUGLAS IRIS	1 GAL	LOW	YES	9
	MON VIL	MONARDELLA VILLOSA	COYOTE MINT	1 GAL	LOW	YES	21
	SAL SPA	SALVIA SPATHACEA	HUMMINGBIRD SAGE	1 GAL	LOW	YES	19
	WYE ANG	WYETHIA ANGUSTIFOLIA	MULE'S EARS	5 GAL	LOW	YES	3
SHRUBS, VINES AND FERNS	CODE	BOTANICAL NAME	COMMON NAME	SIZE	WATER USAGE	CA NATIVE	QTY
	ARC RAD	ARCTOSTAPHYLOS UVA-URSI 'RADIANT'	RADIANT KINNIKINNICK	5 GAL	LOW	YES	2
	DIP AUR	DIPLACUS AURANTIACUS	STICKY MONKEYFLOWER	5 GAL	LOW	YES	2
	POL MUN	POLYSTICHUM MUNITUM	WESTERN SWORD FERN	5 GAL	MEDIUM	YES	4
GROUND COVERS	CODE	BOTANICAL NAME	COMMON NAME	SIZE	WATER USAGE	CA NATIVE	QTY
	OXA RED	OXALIS OREGANA	REDWOOD SORREL	4" POT	MEDIUM	YES	37
	SED SPA	SEDUM SPATHULIFOLIUM 'CAPE BLANCO'	CAPE BLANCO STONECROP	4" POT	LOW	YES	206

SPACING: 12" O.C.  
SPACING: 6" O.C.



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