Page 1 of 43 31



### INFORMATION CALENDAR March 21, 2023

To: Honorable Mayor and Members of the City Council

From: Dee Williams-Ridley, City Manager

Submitted by: Jordan Klein, Director, Planning and Development Department

Subject: LPO NOD: 1325 Arch Street/#LMSAP2022-0013

#### INTRODUCTION

The attached Landmarks Preservation Commission Notice of Decision (NOD) is presented to the Mayor and City Council pursuant to Berkeley Municipal Code/Landmarks Preservation Ordinance (BMC/LPO) Section 3.24.240.A, which requires that "a copy of the Notice of Decision shall be filed with the City Clerk and the City Clerk shall present said copy to the City Council at its next regular meeting."

#### **CURRENT SITUATION AND ITS EFFECTS**

The Landmark Preservation Commission (LPC/Commission) has approved a Structural Alteration Permit (SAP) for the subject City Landmark property. This action is subject to a 15-day appeal period, which began on March 7, 2023.

#### **BACKGROUND**

BMC/LPO Section 3.24.300 allows City Council to review any action of the Landmarks Preservation Commission in granting or denying a Structural Alteration Permit. For Council to review the decision on its merits, Council must appeal the Notice of Decision. To do so, a Council member must move this Information Item to Action and then move to set the matter for hearing on its own. Such action must be taken within 15 days of the mailing of the Notice of Decision, or by March 21, 2023. Such certification to Council shall stay all proceedings in the same manner as the filing of an appeal.

If the Council chooses to appeal the action of the Commission, then a public hearing will be set. The Council must then rule on the designation within 30 days of closing the hearing, otherwise the decision of the Commission is automatically deemed affirmed.

Unless the Council wishes to review the determination of the Commission and make its own decision, the attached NOD is deemed received and filed.

INFORMATION CALENDAR March 21, 2023

LPO NOD: 1325 Arch Street/#LMSAP2022-0013

#### **ENVIRONMENTAL SUSTAINABILITY & CLIMATE IMPACTS**

Landmark designation provides opportunities for the adaptive re-use and rehabilitation of historic resources within the City. The rehabilitation of these resources, rather than their removal, achieves construction and demolition waste diversion, and promotes investment in existing urban centers.

#### POSSIBLE FUTURE ACTION

The Council may choose to appeal the decision, in which case it would conduct a public hearing at a future date.

#### FISCAL IMPACTS OF POSSIBLE FUTURE ACTION

There are no known fiscal impacts associated with this action.

#### **CONTACT PERSON**

Fatema Crane, Principal Planner, Planning and Development, 510-981-7410

#### Attachments:

1: Notice of Decision – #LMSAP2022-0013/1325 Arch Street

Attachment 1, Part 1



L A N D M A R K S
PRESERVATION

Notice of Decision

DATE OF BOARD DECISION: January 5, 2023

DATE NOTICE MAILED: March 6, 2023

APPEAL PERIOD EXPIRATION: March 21, 2023

EFFECTIVE DATE OF PERMIT (Barring Appeal or Certification): March 22, 2023<sup>1</sup>

#### 1325 Arch – The Schneider/Kroeber House

#LMSAP2022-0013 to demolish a detached garage in the front yard of a City Landmark property, to construct a new garage with a roof deck; to complete landscape improvements that include new retaining walls, a trellis and gates, and to install a hot tub in the rear yard.

The Landmarks Preservation Commission of the City of Berkeley, after conducting a public hearing, **APPROVED** the following request:

Structural Alteration Permit

**APPLICANT:** Kristen Sidell, Sidell Pakravan Architects

**ZONING DISTRICT:** Single Family Residential, Hillside Overlay (R-1/H)

<sup>1</sup> Pursuant to BMC Chapter 3.24, the City Council may "certify" any decision of the LPC for review, which has the same effect as an appeal. In most cases, the Council must certify the LPC decision during the 14-day appeal period. However, pursuant to BMC Section 1.04.070, if any portion of the appeal period falls within a Council recess, the deadline for Council certification is suspended until the first Council meeting after the recess, plus the number of days of the appeal period that occurred during the recess, minus one day. If there is no appeal or certification, the Use Permit becomes effective the day after the certification deadline has passed.

LANDMARKS PRESERVATION COMMISSION NOTICE OF DECISION Permit #LMSAP2022-0013 1325 Arch Street March 6, 2023 Page 2 of 5

**ENVIRONMENTAL REVIEW STATUS:** Categorically exempt under the California Environmental Quality Act Guidelines, Section 15331 (historical Resource Restoration and Rehabilitation).

The application materials for this project are available online at: https://permits.cityofberkeley.info/CitizenAccess/Default.aspx

FINDINGS FOR FINAL ACTION AND APPROVED PLANS ARE ATTACHED TO THIS NOTICE

**COMMISSION VOTE: 8-0-0-1** 

YES: ADAMS, CRANDALL, ENCHILL, FINACOM, LINVILL, MONTGOMERY,

SCHWARTZ, TWU

NO:

ABSTAIN:

**ABSENT:** LEUSCHNER

#### TO APPEAL THIS DECISION (see Section 3.24.300 of the Berkeley Municipal Code):

To appeal a decision of the Landmarks Preservation Commission to the City Council you must:

- 1. Submit a letter clearly and concisely setting forth the grounds for the appeal to the City Clerk, located at 2180 Milvia Street, 1st Floor, Berkeley. The City Clerk's telephone number is (510) 981-6900.
  - a. Pursuant to BMC Section 3.24.300.A, an appeal may be taken to the City Council by the application of the owners of the property or their authorized agents, or by the application of at least fifty residents of the City aggrieved or affected by any determination of the commission made under the provisions of Chapter 3.24.
- 2. Submit the required fee (checks and money orders must be payable to 'City of Berkeley'):
  - a. The basic fee for persons other than the applicant is \$500. This fee may be reduced to \$100 if the appeal is signed by persons who lease or own at least 50 percent of the parcels or dwelling units within 300 feet of the project site, or at least 25 such persons (not including dependent children), whichever is less. Signatures collected per the filing requirement in BMC Section 3.24.300.A may be counted towards qualifying for the reduced fee, so long as the signers are qualified. The individual filing the appeal must clearly denote which signatures are to be counted towards qualifying for the reduced fee.

LANDMARKS PRESERVATION COMMISSION NOTICE OF DECISION Permit #LMSAP2022-0013 1325 Arch Street March 6, 2023 Page 3 of 5

- b. The fee for appeals of affordable housing projects (defined as projects which provide 50 percent or more affordable units for households earning 80% or less of Area Median Income) is \$500, which may not be reduced.
- c. The fee for all appeals by Applicants is \$2500.
- 3. The appeal must be received prior to 5:00 p.m. on the "APPEAL PERIOD EXPIRATION" date shown above (if the close of the appeal period falls on a weekend or holiday, then the appeal period expires the following business day).

If no appeal is received, the permit will be final on the first business day following expiration of the appeal period.

#### NOTICE CONCERNING YOUR LEGAL RIGHTS:

If you object to this decision, the following requirements and restrictions apply:

- If you challenge this decision in court, you may be limited to raising only those issues you
  or someone else raised at the public hearing described in this notice, or in written
  correspondence delivered to the Landmarks Preservation Commission at, or prior to, the
  public hearing.
- 2. You must appeal to the City Council within fifteen (15) days after the Notice of Decision of the action of the Landmarks Preservation Commission is mailed. It is your obligation to notify the Land Use Planning Division in writing of your desire to receive a Notice of Decision when it is completed.
- 3. Pursuant to Code of Civil Procedure Section 1094.6(b) and Government Code Section 65009(c)(1), no lawsuit challenging a City Council decision, as defined by Code of Civil Procedure Section 1094.6(e), regarding a use permit, variance or other permit may be filed more than ninety (90) days after the date the decision becomes final, as defined in Code of Civil Procedure Section 1094.6(b). Any lawsuit not filed within that ninety (90) day period will be barred.
- 4. Pursuant to Government Code Section 66020(d)(1), notice is hereby given to the applicant that the 90-day protest period for any fees, dedications, reservations, or other exactions included in any permit approval begins upon final action by the City, and that any challenge must be filed within this 90-day period.
- 5. If you believe that this decision or any condition attached to it denies you any reasonable economic use of the subject property, was not sufficiently related to a legitimate public purpose, was not sufficiently proportional to any impact of the project, or for any other reason constitutes a "taking" of property for public use without just compensation under the California or United States Constitutions, your appeal of this decision must include the following information:
  - A. That this belief is a basis of your appeal.
  - B. Why you believe that the decision or condition constitutes a "taking" of property as set

LANDMARKS PRESERVATION COMMISSION NOTICE OF DECISION Permit #LMSAP2022-0013 1325 Arch Street March 6, 2023 Page 4 of 5

forth above.

C. All evidence and argument in support of your belief that the decision or condition constitutes a "taking" as set forth above.

If you do not do so, you will waive any legal right to claim that your property has been taken, both before the City Council and in court.

#### **PUBLIC COMMENT:**

Communications to Berkeley boards, commissions or committees are public record and will become part of the City's electronic records, which are accessible through the City's website. Please note: e-mail addresses, names, addresses, and other contact information are not required, but if included in any communication to a City board, commission or committee, will become part of the public record. If you do not want your e-mail address or any other contact information to be made public, you may deliver communications via U.S. Postal Service or in person to the secretary of the relevant board, commission or committee. If you do not want your contact information included in the public record, please do not include that information in your communication. Please contact the secretary to the relevant board, commission or committee for further information.

#### **FURTHER INFORMATION:**

Questions about the project should be directed to the project planner, Fatema Crane at (510) 981-7413 or fcrane@cityofberkeley.info. All project application materials, including full-size plans, may be viewed at the Permit Service Center (Zoning Counter), 1947 Center Street, 3<sup>rd</sup> Fl., during regular business hours.

#### **ATTACHMENTS:**

- 1. Findings for Final Action
- 2. Project Plans, received **DECEMBER 21, 2022**

ATTEST:

Fatema Crane, Secretary Landmarks Preservation Commission

#### Page 7 of 43

LANDMARKS PRESERVATION COMMISSION NOTICE OF DECISION Permit #LMSAP2022-0013 1325 Arch Street March 6, 2023 Page 5 of 5

cc: City Clerk

Applicant: Kristen Sidell, Sidell Pakravan Architects, 2445 Sixth Street, Berkeley, CA 94710 Property Owner: Golden Bear, LLC #166, 1400 Shattuck Ave. #12, Berkeley, CA 94709

#### DRAFT Findings and Conditions

#### 1325 Arch Street – The Schneider/Kroeber House

#### Structural Alteration Permit #LMSAP2022-0013

To demolish a detached garage in the front yard of a City Landmark property, and to construct a new garage with a roof deck; to complete landscape improvements that include new retaining walls, a trellis and gates; and to install a hot tub in the rear yard.

#### **CEQA FINDINGS**

1. The project is categorically exempt from the provisions of the California Environmental Quality Act (CEQA, Public Resources Code §21000, et seq. and California Code of Regulations, §15000, et seq.) pursuant to Section 153331 of the CEQA Guidelines ("Historic Resource Restoration/Rehabilitation"). Furthermore, none of the exceptions in CEQA Guidelines Section 15300.2 apply, as follows: (a) the site is not located in an environmentally sensitive area, (b) there are no cumulative impacts, (c) there are no significant effects, (d) the project is not located near a scenic highway, and (e) the project site is not located on a hazardous waste site pursuant to Government Code Section 65962.5.

#### SECRETARY OF THE INTERIOR'S STANDARDS FINDINGS

Regarding the Secretary of the Interior's Standards for Rehabilitation, the Landmarks Preservation Commission of the City of Berkeley makes the following findings:

- 1. The subject property features a single-family residence designed by Bernard Maybeck. The use of the property would continue, unchanged, with this project.
- 2. The project will retain the historic character of the property and will avoid extensive removal of distinctive materials and the alteration of features that characterize the property.
- 3. This property will continue to be recognized as a physical record of its time, place, and use as a result of the approved project. None of the proposed alterations are found to create a false sense of historical development. The new garage structure will not mimic the Maybeck design of the main building; its contemporary style will not result in a false sense of historical development.

- 4. No changes to this property that have acquired historic significance in their own right, such as the 1933 addition to the main building, would be impacted by this project.
- 5. Distinctive materials, features, finishes, and construction techniques, or examples of craftsmanship that characterize this property, such as the unfinished exterior wood features of the main building and rhyolite stone retaining walls, will be retained and preserved with this project.
- 6. As conditioned herein, if deteriorated historic features will be affected by this request, then they would be repaired or replaced to match the materials, design, and finishes of the original items.
- 7. Chemical or physical treatments are not anticipated; however, if they are appropriate, they will be undertaken using the gentlest means possible. Treatments that cause damage to historic materials are prohibited by the Conditions herein.
- 8. The project site is not known to have the potential to yield subsurface resources; the scope of proposed excavation is limited and not likely to disturb such resources if they exist. Nevertheless, as conditioned herein, actions to preserve and protect unexpected discoveries during project construction are required
- 9. The proposed new work is designed with complimentary, high-quality materials in simplified, contemporary style employing colors and finishes that harmonize with the historic design elements of the building. Owing to these aspects, new work will be sufficiently differentiated from the historic design.
- 10. If the proposed garage and landscape improvements were removed in the future, they would not permanently impair the integrity or essential form of the main building.

#### LANDMARK PRESERVATION ORDINANCE FINDINGS

- 1. As required by Section 3.24.260 of the Landmarks Preservation Ordinance, the Commission finds that the proposed work is appropriate for and consistent with the purposes of the Ordinance, and will preserve and enhance the characteristics and features specified in the designation for this property, because:
  - A. The proposed project will not adversely affect the architectural design of the City LM Schneider/Kroeber House because the historic building is excluded from the project scope. The general placement and spatial arrangements of the property will be retained where the new construction will be located in the same general footprint and building envelope as the existing structures. The removal of historic materials, such as the rhyolite stone retaining walls, will be minimized to the greatest extent possible.
  - B. The special character and historic value of this City Landmark property lay in its direct associations with the renowned architect Bernard Maybeck, the anthropologist Albert Kroeber and his wife, author Theodora Kroeber, and their daughter, the acclaimed writer Ursula Le Guin; the proposed work would not impair these associations.

#### STANDARD CONDITIONS

The following conditions, as well as all other applicable provisions of the Landmarks Preservation Ordinance, apply to this Permit:

#### 1. Conditions Shall be Printed on Plans

The conditions of this Permit shall be printed on the *second* sheet of each plan set submitted for a building permit pursuant to this Permit, under the title 'Structural Alteration Permit Conditions'. *Additional sheets* may also be used if the *second* sheet is not of sufficient size to list all of the conditions. The sheet(s) containing the conditions shall be of the same size as those sheets containing the construction drawings; 8-1/2" by 11" sheets are not acceptable.

#### 2. Plans and Representations Become Conditions

Except as specified herein, the site plan, floor plans, building elevations and/or any additional information or representations, whether oral or written, indicating the proposed structure or manner of operation submitted with an application or during the approval process are deemed conditions of approval.

#### 3. Subject to All Applicable Laws and Regulations

The approved construction is subject to, and shall comply with, all applicable City Ordinances and laws and regulations of other governmental agencies. Prior to installation, the applicant shall obtain Use Permit approval in accordance with BMC Section 23C.17 (Wireless Telecommunication). Prior to construction, the applicant shall identify and secure all applicable permits from the Building and Safety Division, Public Works Department and other affected City divisions and departments.

#### 4. Exercise and Lapse of Permits

- B. A permit for the construction of a building or structure is deemed exercised when a valid City building permit, if required, is issued, and construction has lawfully commenced.
- A. A permit may be declared lapsed and of no further force and effect if it is not exercised within one year of its issuance, except that permits for construction or alteration of structures or buildings may not be declared lapsed if the permittee has: (1) applied for a building permit; or, (2) made substantial good faith efforts to obtain a building permit and begin construction, even if a building permit has not been issued and/or construction has not begun.

#### 5. Indemnification Agreement

The applicant shall hold harmless, defend, and indemnify the City of Berkeley and its officers, agents, and employees against any and all liability, damages, claims, demands, judgments or other losses (including without limitation, attorney's fees, expert witness and consultant fees and other litigation expenses), referendum or initiative relating to, resulting from or caused by, or alleged to have resulted from, or caused by, any action or approval associated with the project. The indemnity includes without limitation, any legal or administrative challenge, referendum or initiative filed or prosecuted to overturn,

set aside, stay or otherwise rescind any or all approvals granted in connection with the project, any environmental determination made for the project and granting any permit issued in accordance with the project. This indemnity includes, without limitation, payment of all direct and indirect costs associated with any action specified herein. Direct and indirect costs shall include, without limitation, any attorney's fees, expert witness and consultant fees, court costs, and other litigation fees. City shall have the right to select counsel to represent the City at Applicant's expense in the defense of any action specified in this condition of approval. City shall take reasonable steps to promptly notify the Applicant of any claim, demand, or legal actions that may create a claim for indemnification under these conditions of approval.

- 6. Halt Work/Unanticipated Discovery of Tribal Cultural Resources. In the event that cultural resources of Native American origin are identified during construction, all work within 50 feet of the discovery shall be redirected. The project applicant and project construction contractor shall notify the City Planning Department within 24 hours. The City will again contact any tribes who have requested consultation under AB 52, as well as contact a qualified archaeologist, to evaluate the resources and situation and provide recommendations. If it is determined that the resource is a tribal cultural resource and thus significant under CEQA, a mitigation plan shall be prepared and implemented in accordance with State guidelines and in consultation with Native American groups. If the resource cannot be avoided, additional measures to avoid or reduce impacts to the resource and to address tribal concerns may be required.
- 7. Archaeological Resources (Ongoing throughout demolition, grading, and/or construction). Pursuant to CEQA Guidelines Section 15064.5(f), "provisions for historical or unique archaeological resources accidentally discovered during construction" should be instituted. Therefore:
  - A. In the event that any prehistoric or historic subsurface cultural resources are discovered during ground disturbing activities, all work within 50 feet of the resources shall be halted and the project applicant and/or lead agency shall consult with a qualified archaeologist, historian or paleontologist to assess the significance of the find.
  - B. If any find is determined to be significant, representatives of the project proponent and/or lead agency and the qualified professional would meet to determine the appropriate avoidance measures or other appropriate measure, with the ultimate determination to be made by the City of Berkeley. All significant cultural materials recovered shall be subject to scientific analysis, professional museum curation, and/or a report prepared by the qualified professional according to current professional standards.
  - C. In considering any suggested measure proposed by the qualified professional, the project applicant shall determine whether avoidance is necessary or feasible in light of factors such as the uniqueness of the find, project design, costs, and other considerations.
  - D. If avoidance is unnecessary or infeasible, other appropriate measures (e.g., data recovery) shall be instituted. Work may proceed on other parts of the project site while mitigation measures for cultural resources is carried out.
  - E. If significant materials are recovered, the qualified professional shall prepare a report on the findings for submittal to the Northwest Information Center.

- 8. Human Remains (Ongoing throughout demolition, grading, and/or construction). In the event that human skeletal remains are uncovered at the project site during ground-disturbing activities, all work shall immediately halt and the Alameda County Coroner shall be contacted to evaluate the remains, and following the procedures and protocols pursuant to CEQA Guidelines Section 15064.5 (e)(1). If the County Coroner determines that the remains are Native American, the City shall contact the California Native American Heritage Commission (NAHC), pursuant to Health and Safety Code Section 7050.5(c), and all excavation and site preparation activities shall cease within a 50-foot radius of the find until appropriate arrangements are made. If the agencies determine that avoidance is not feasible, then an alternative plan shall be prepared with specific steps and timeframe required to resume construction activities. Monitoring, data recovery, determination of significance and avoidance measures (if applicable) shall be completed expeditiously.
- 9. Paleontological Resources (Ongoing throughout demolition, grading, and/or construction). In the event of an unanticipated discovery of a paleontological resource during construction, excavations within 50 feet of the find shall be temporarily halted or diverted until the discovery is examined by a qualified paleontologist (per Society of Vertebrate Paleontology standards [SVP 1995,1996]). The qualified paleontologist shall document the discovery as needed, evaluate the potential resource, and assess the significance of the find. The paleontologist shall notify the appropriate agencies to determine procedures that would be followed before construction is allowed to resume at the location of the find. If the City determines that avoidance is not feasible, the paleontologist shall prepare an excavation plan for mitigating the effect of the project on the qualities that make the resource important, and such plan shall be implemented. The plan shall be submitted to the City for review and approval.

#### **ADDITIONAL CONDITIONS**

The following additional conditions are attached to this Permit:

- **10. CITY PERMITS**. This Structural Alteration Permit (SAP) approval is contingent upon approval of the requisite Use Permit and Public Work Permits for the project scope.
- **11. PLANS COMPLIANCE**. Construction and building permit plans shall substantially conform to the SAP project plans dated/received December 21, 2022
- 12. REPAIR AND REPLACEMENT OF CHARACTER-DEFINING FEATURES.

  Deteriorated historic features shall be repaired rather than replaced. Where the severity of deterioration requires replacement of a distinctive feature, the new feature shall match the old or historic feature in design, color, texture, and, where possible, materials. Replacement of missing features shall be substantiated by documentary and physical evidence.
- **13.** Chemical or physical treatments, if appropriate, shall be undertaken using the gentlest means possible. Treatments that cause damage to historic materials shall not be used.
- **14.** Rhyolite rocks shall be salvaged from demolished portions of the historic retaining wall and used or incorporated in proposed new retaining walls on site, to the extent possible.

- **15. COLORS.** Prior to Landmarks plan checker sign-off of the Building Permit set of drawings, the applicant shall submit color and materials information for review and approval by Landmarks staff, in coordination with the LPC Chair as needed.
- **16. DETAILS.** Prior to Landmarks plan checker sign-off of the Building Permit set of drawings, the applicant shall submit window, door, base, and trim details for review and approval by the Landmarks plan checker.
- 17. ROOF EQUIPMENT. Any roof equipment shall be shown to scale on the <u>architectural</u> drawings of the building permit set of drawings in both plan and elevation, in order to determine if additional screening and SAP may be required.
- **18. LIGHTING.** Prior to Landmarks plan checker sign-off of the building permit set of drawings, the applicant shall submit lighting details showing all existing and proposed site and building lighting. Exterior lighting shall be downcast and not cause glare on the public right-of-way and adjacent parcels.
- 19. LANDSCAPE PLANS. Prior to Landmarks plan checker sign-off of the Building Permit set of drawings, the applicant shall submit a Landscape plan including the number, location, and species of all proposed plantings, and which existing plantings shall be removed. The applicant shall provide irrigation for all landscaped areas or provide drought tolerant plant palette. This shall be called out on Landscape building permit drawings.
- **20. LANDSCAPE IRRIGATION.** The applicant shall provide irrigation for all landscaped areas. This shall be called out on Landscape building permit drawings.
- **21. CURB CUTS** All curbs and curb cuts shall be constructed per the standards and specifications of the Public Works Department. Curb cuts no longer utilized shall be restored per the Public Works Department specifications.
- 22. The applicant shall be responsible for identifying and securing all applicable permits from the Building and Safety Division and all other affected City divisions/departments prior to the start of work.
- 23. The applicant is responsible for complying with all the above conditions. Failure to comply with any condition could result in construction work being stopped, issuance of citations, as well as further review by the Landmarks staff, which may modify or impose additional conditions, or revoke approval.
- 24. All building permit drawings and subsequent construction shall substantially conform to the approved plans as outlined in Condition #1. Any modifications must be reviewed by the Landmarks plan checker to determine whether the modification requires approval.
- 25. The applicant shall hold harmless, defend, and indemnify the City of Berkeley and its officers, agents, and employees against any and all liability, damages, claims, demands, judgments or other losses (including without limitation, attorney's fees, expert witness and consultant fees and other litigation expenses), referendum or initiative relating to, resulting from or caused by, or alleged to have resulted from, or caused by, any action or approval associated with the project. The indemnity includes without limitation, any

legal or administrative challenge, referendum or initiative filed or prosecuted to overturn, set aside, stay or otherwise rescind any or all approvals granted in connection with the Project, any environmental determination made for the project and granting any permit issued in accordance with the project. This indemnity includes, without limitation, payment of all direct and indirect costs associated with any action specified herein. Direct and indirect costs shall include, without limitation, any attorney's fees, expert witness and consultant fees, court costs, and other litigation fees. City shall have the right to select counsel to represent the City at Applicant's expense in the defense of any action specified in this condition of approval. City shall take reasonable steps to promptly notify the Applicant of any claim, demand, or legal actions that may create a claim for indemnification under these conditions of approval.



#### **ABBREVIATIONS**

ADJUSTABLE ABOVE FINISHED FLOOR ALTERNATE BLDG. BUILDING STANDARD BOTTOM OF CLG. CLG. HT. CLR. COL. CONC. CONST. CONT. CEILING CEILING HEIGHT COLUMN CONCRETE CONSTRUCTION CONTINUOUS DET. DIA. DIAG. DIM. DWG. DETAIL DIAMETER DIAGONA (E) EA ELEV ELEC ENGR EQ EXT EXISTING ELEVATION EQUAL EXTER**I**OR FIN. FLR. F.O. F.V. FINISH FIELD OPENING FIELD VERIFY GA. GAUGE H.B. HDW. HP. HORIZ. HOSE BIRB HORIZONTA HEIGHT INSUL INT. INSULATION

JUNCTION BOX

MATERIAL MAXIMUM

J.B.

MATL

MFG. MFR. MIN. MISC. MTD. MTL. MISCELLANEOUS MOUNTED METAL NOT IN CONTRACT NOT TO SCALE OVERALL ON CENTER O.A. O.C. OPNG. OPP. OPENING OPPOSITE PART. PLYWD. POL. P.P. PTD. PARTITION PLYWOOD POLISHED POWER POLE PAINTED RADIUS

MANUFACTURING

MANUFACTURER

MINIMUM

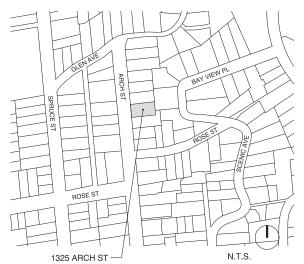
R.
RD.
RECT.
REF.
REINF.
RELOC.
REQ.
REV.
R.O. ROUND RECTANGULAR REINFORCED RELOCATE OR RELOCATED REQUIRED REVISION ROUGH OPENING SECTION SIMILAR

SECT. SIM. SPECS. S.S. S.S.D. STD. SPECIFICATIONS STAINLESS STEEL
SEE STRUCTURAL DRAWINGS
STANDARD STL. STRUCT. STRUCTURAL TONGUE & GROOVE TOP OF TYPICAL T.&G. T.O. TYP.

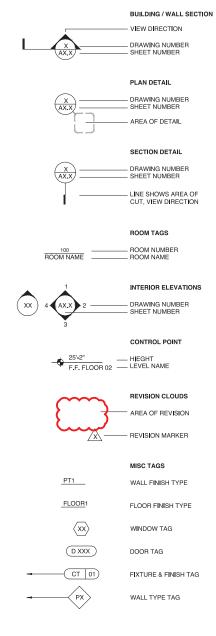
U.N.O. UNLESS NOTED OTHERWISE

WOOD WATERPROOF

#### **VICINITY MAP**



#### Page 16 of 43 SYMBOLS



#### PROJECT DIRECTORY

#### OWNER

Golden Bear LLC 1325 Arch St Berkeley, CA 94708

ARCHITECT

Kristen Sidell Sidell Pakravan Architects 2445 Sixth Street Berkeley, CA 94710 510 984 0904 info@sideIIpakravan.com

#### CONTRACTOR

Jetton Construction Contact: Kevin Wuertz kevin@jettonconstruction.com

STRUCTURAL ENGINEER Erik Garcia Garcia Structural Design

erik@garciastructural.com LANDSCAPE ARCHITECT

Arterra Landscape Architecs jessicaj@arterrasf.com

#### PROJECT DATA

**BUILDING ADDRESS** 1325 ARCH ST BERKELEY, CA 94708 PROJECT DESCRIPTION DEMOLISH (E) GARAGE & ROOF DECK IN POOR REPAIR. REMOVE CITY TREE. REMOVE 3704 CUBIC FT OF SOIL, BUILD (N) GARAGE & ROOF DECK. REPLACE (E) UNEVEN STEPS. REPLACE ENTRY GATE AND TRELLIS. (N) HOT TUB, (N) LANDSCAPING. PARCEL NUMBER 060 246502700 R-1H **ZONING** SETBACKS FRONT: 20'-0" REAR: 20'-0" SIDES: 4'-0" LOT AREA 6600 SF (E) PRIMARY: BLDG FOOTPRINT 1826 SF GARAGE FOOTPRINT (E) GARAGE: 185 SF (N) GARAGE: 555 SF (GARAGE INCREASE BY 370 SF) (E) ATTIC (NOT DRAWN) FLOOR AREA 395 SF (E) SECOND LEVEL 1579 SF (E) FIRST LEVEL 1463 SF (E) BASEMENT LEVEL 1566 SF (E) TOTAL 5003 SF (NO CHANGE) LOT COVERAGE MAX ALLOWABLE: 40%

**EXISTING** 

PROPOSED:

MAX ALLOWABLE:

(WITHIN 4' OF PROP. LINE)

12'-0" (WITHIN 4' OF PROP. LINE) PROPOSED 10'-0" (WITHIN 4' OF PROP. LINE) DATE ISSUE SINGLE FAMILY RESIDENTIAL 08 09 2021 LPC 10.29.2021 LPC REVISION V-B, UNSPRINKLERED 05.03.2022 LPC 02

07.29.2022

30.7%

36.5%

10'-0"

(INCREASE BY 5.8%)

Attachment 1, part 3

SIDELL PAKRAVAN

**ARCHITECTS** 

info@sidellpakravan.com

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sidellpakravan.com

2, VERY HIGH LANDMARK STATUS BERKELEY LANDMARK #341 HISTORIC PROPERTY NAME SCHNEIDER-KROEBER HOUSE

#### DRAWING INDEX

#### ARCHITECTURAL

A0.01

MAX HEIGHT FOR

OCCUPANCY

FIRE ZONE

ACCESSORY STRUCTURE

CONSTRUCTION TYPE

TABULATION SHEET A0 02 A0.03 SURVEY A0.04 LOT COVERAGE DIAGRAM EXISTING GARAGE PLANS AND USE PLANNING THOUSED GARAGE PLANS PROPOSED GARAGE PLAN PROPOSED GARAGE RCP A1.00 A1.01 A1.02 RECEIVED A1.03 A1 04 A1 05 A2.00 **EXISTING ELEVATIONS** 

COVER SHEET AND PROJECT INFORMATION

A5.00 EXISTING MATERIALS PHOTOS PROPOSED MATERIAL A5.01

PLANTING DETAILS

PLANTING DETAILS

SECTIONS

PROPOSED ELEVATIONS

#### LANDSCAPE

A2.01

A3.00

L0.14

L0.0 LANDSCAPE PLAN-PROPERTY PLANTING PLAN - ROW L0.2 PLANTING PLAN - PROPERTY PLANTING PLAN - ROW & PLANT LIST L0.3 IRRIGATION PLAN - PROPERTY L0.4 IRRIGATION PLAN - ROW & IRRIGATION NOTES 105 CONCEPTUAL GRADING PLAN L0.7 SECTION ELEVATION L0.8 PLANTING DETAILS L0.11 PLANTING DETAILS

LPC 03 GARAGE

BERKELEY, CA, 94708

CHECKED

SHEET TITLE

21020

**COVER SHEET AND PROJECT INFORMATION** 

#### **GARAGE**



#### PLANNING & DEVELOPMENT

Project Address: 1325 Arch St, Berkeley, CA 94708

#### **TABULATION FORM**

Applicant's Name: Sidell	Pakravan Architects			
Zoning District: R1-H				
Please print in ink the following application:	numerical information	n for your Administr	ative Use Permit, Use	Permit, or Variance
		Existing	Proposed	Permitted/ Required <sup>1</sup>
Units, Parking Spaces Number of Dwelling Un		1	1	1
Number of Parking Spa	ces (#)	1	1	1
Number of Bedrooms (R-1, R-1A, R-2, R-2A,	(#) and R-3 only)	n/a	n/a	n/a
Yards and Height Front Yard Setback	(Feet)	0'	0' *	50% of lot depth
Side Yard Setbacks: (facing property)	Left: (Feet)	0'	4'-7"	4'-0" within 75' of front lot line
	Right: (Feet)	49'-7"	33'-10"	4'-0" within 75' of front lot line
Poor Vard Sathack	(Foot)			

Rear Yard Setback (Feet) 92'-0" 84'-6" n/a **Building Height\*** (# Stories) 12'-0" for Accessory Average\* (Feet) 4'-10" 5'-0" at Hillside 10'-0" less than 4' Maximum\* (Feet) 14'-0" from the lot line Areas 6600 sf (Square-Feet) 6600 sf n/a Lot Area Gross Floor Area\* (Square-Feet) Total Area Covered by All Floors 185 sf 555 sf n/a Building Footprint\* (Square-Feet) Refer to Main House Refer to Main House Refer to Main House Total of All Structures Tabulation Form Tabulation Form Tabulation Form

Refer to Main House

Tabulation Form

Refer to Main House

Tabulation Form

Floor Area Ratio\* Non-Residential districts only (Except ES-R)

Useable Open Space\* (Square-Feet)

(Building Footprint/Lot Area)

\*See Glossary - BMC Chapter 23.502.

Lot Coverage\*

Revised: 12/21

Refer to Main House

Tabulation Form

Refer to Main House

Refer to Main House

Tabulation Form

Refer to Main House

Tabulation Form

Date: 09/28/2022

#### Page 17 of 43

#### **MAIN HOUSE**



## PLANNING & DEVELOPMENT Land Use Planning, 1947 Center Street, Berkeley, CA 9470-

#### **TABULATION FORM**

Applicant's Name: Sidel	Pakravan Architects			
Zoning District: R1-H				
Please print in ink the following	g numerical information	for your Administra	ative Use Permit, Use	Permit, or Variance
,pp.iod.io	_	Existing	Proposed	Permitted/ Required <sup>1</sup>
Units, Parking Spaces Number of Dwelling Ur		1	1	1
Number of Parking Spa	aces (#)	1	1	1
Number of Bedrooms (R-1, R-1A, R-2, R-2A,	(#) and R-3 only)	5	5	n/a
Yards and Height Front Yard Setback	(Feet)	32'-9"	32'-9"	20'-0"
Side Yard Setbacks: (facing property)	Left: (Feet)	4'-0"	4'-0"	4'-0"
	Right: (Feet)	18'-0"	18'-0"	4'-0"
Rear Yard Setback	(Feet)	10'-11"	10'-11"	20'-0"
Building Height*	(# Stories)	3	3	3
Average*	(Feet)	27' <del>-</del> 0"	27'-0"	28'-0"
Maximum*	(Feet)	34'-0"	34'-0"	28'-0", 35'-0" w/ AUP
Areas Lot Area	(Square-Feet)	6600 sf	6600	n/a
Gross Floor Area* Total Area Covered by	(Square-Feet) All Floors	5003 sf	5003	n/a
Building Footprint* Total of All Structures	(Square-Feet)	2025 sf	2418 sf	2640 sf
Lot Coverage* Residential districts only (Building Footprint/Lot	(%) Area)	30.7%	36.5%	40%
Useable Open Space*	(Square-Feet)	3740 sf	_	400 sf min.
Floor Area Ratio* Non-Residential districts on *See Glossary – <u>BMC Chap</u>				ed: 12/21

\*See Glossary – <u>BMC Chapter 23.502</u>.

#### SIDELL PAKRAVAN **ARCHITECTS**

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05.03.2022	LPC 02
07.29.2022	LPC 03 GARAGE

PJ, CYJ

PROJECT NO. DRAWN

**ARCH ST** 

CHECKED

1325 ARCH STREET BERKELEY, CA, 94708

SHEET TITLE

21020

**TABULATION SHEET** 

<sup>&</sup>lt;sup>1</sup> See development standards for the Zoning District, per the Berkeley Municipal Code, Chapters <u>23.202</u> and <u>23.204</u> g:\landuse\forms & instructions\land use planning forms\word files\forms\_zoning project application\december 2021- bzo related\zoning project application\_tabulation

<sup>\*</sup> AT GRADE/SIDEWALK LEVEL, THE PROPOSED GARAGE ABUTS THE FRONT PROPERTY LINE. AT THE ROOF LEVEL, THE PLANTER STEPS BACK FROM THE PROPERTY LINE 4'-0".

See development standards for the Zoning District, per the Berkeley Municipal Code, Chapters 23.202 and 23.204 g:\landuse\forms & instructions\land use planning forms\word files\forms\_zoning project application\december 2021- bzo related\zoning project application\_tabulation.



LEGEND AND NOTES --- BOUNDARY LINE - - BUILDING OVERHANG LINE FENCE LINE RETAINING WALL (CONCRETE) RETAINING WALL (ROCK) RETAINING WALL (STONE) SANITARY SEWER LINE AREA DRAIN **\*** BENCHMARK BOTTOM RETAINING WALL BW 000 CLEAN-OUT BOX ОЕВ ELECTRICAL BOX □ем ELECTRICAL METER FINISH FLOOR FLOW LINE □gм GAS METER INV INVFRT JMAP JAPANESE MAPLE JOINT POLE LIQUID AMBER MULTI-TRUNK TREE M-PILLAR / POST ROOF PEAK 0.5500 SANITARY SEWER CLEAN-OUT OSSMH SANITARY SEWER MAINTENANCE HOLE STREET LIGHT TCD THRU-CURB DRAIN TC TOP OF CURB TW TOP OF RETAINING WALL TOS TOP OF SLAB  $\square$  wm WATER METER XXX.XX ASPHALT CONCRETE GRAVEL LAWN STONE

WOOD

LANDS OF LI AND DATE ISSUE HOCHSCHILD 08 09 2021 LPC 10.29.2021 LPC REVISION 05.03.2022 LPC 02 07.29.2022 LPC 03 GARAGE EASEMENT FOR COTTAGE ENCROACHMENT (1982-048175) DRAWN PROJECT NO. NEIGHBORING STRUCTURE 21020 PJ. CYJ

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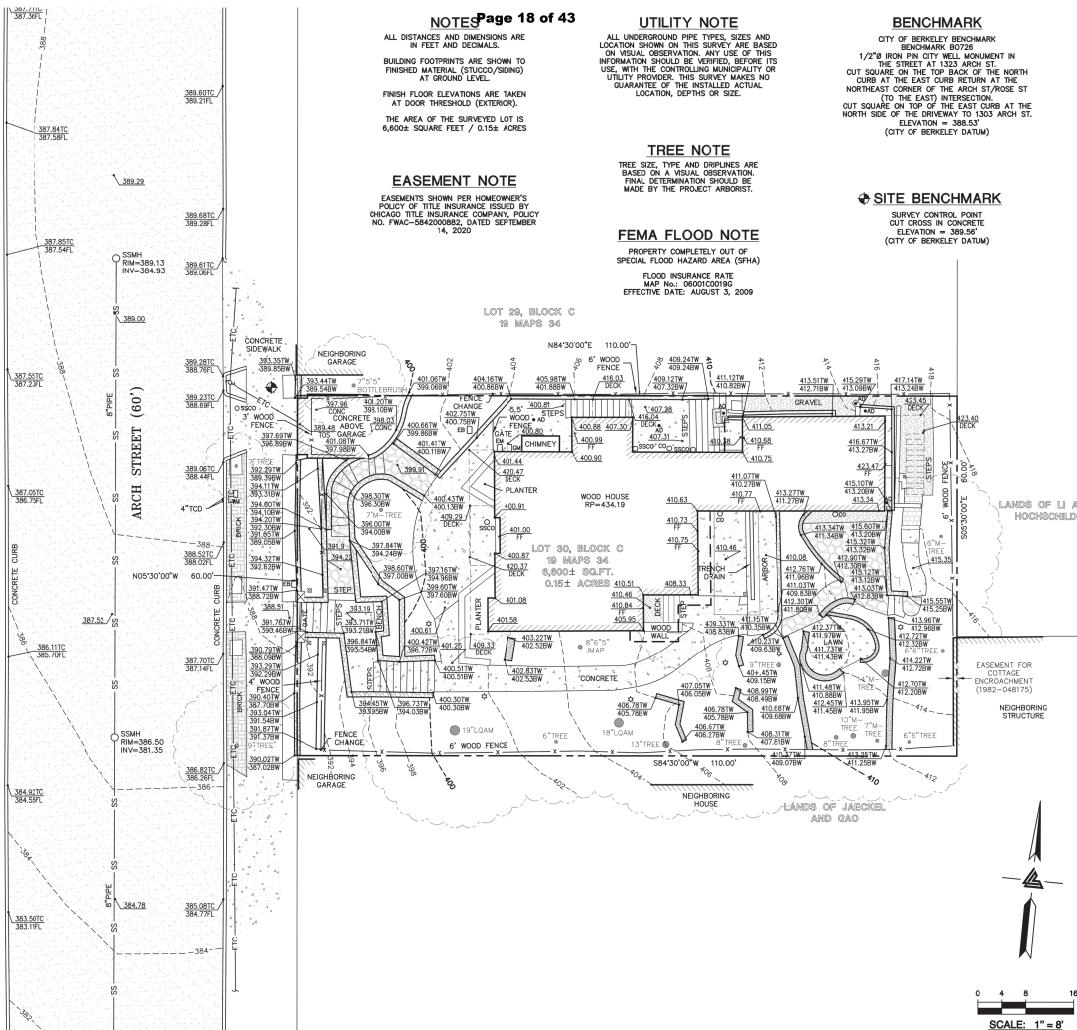
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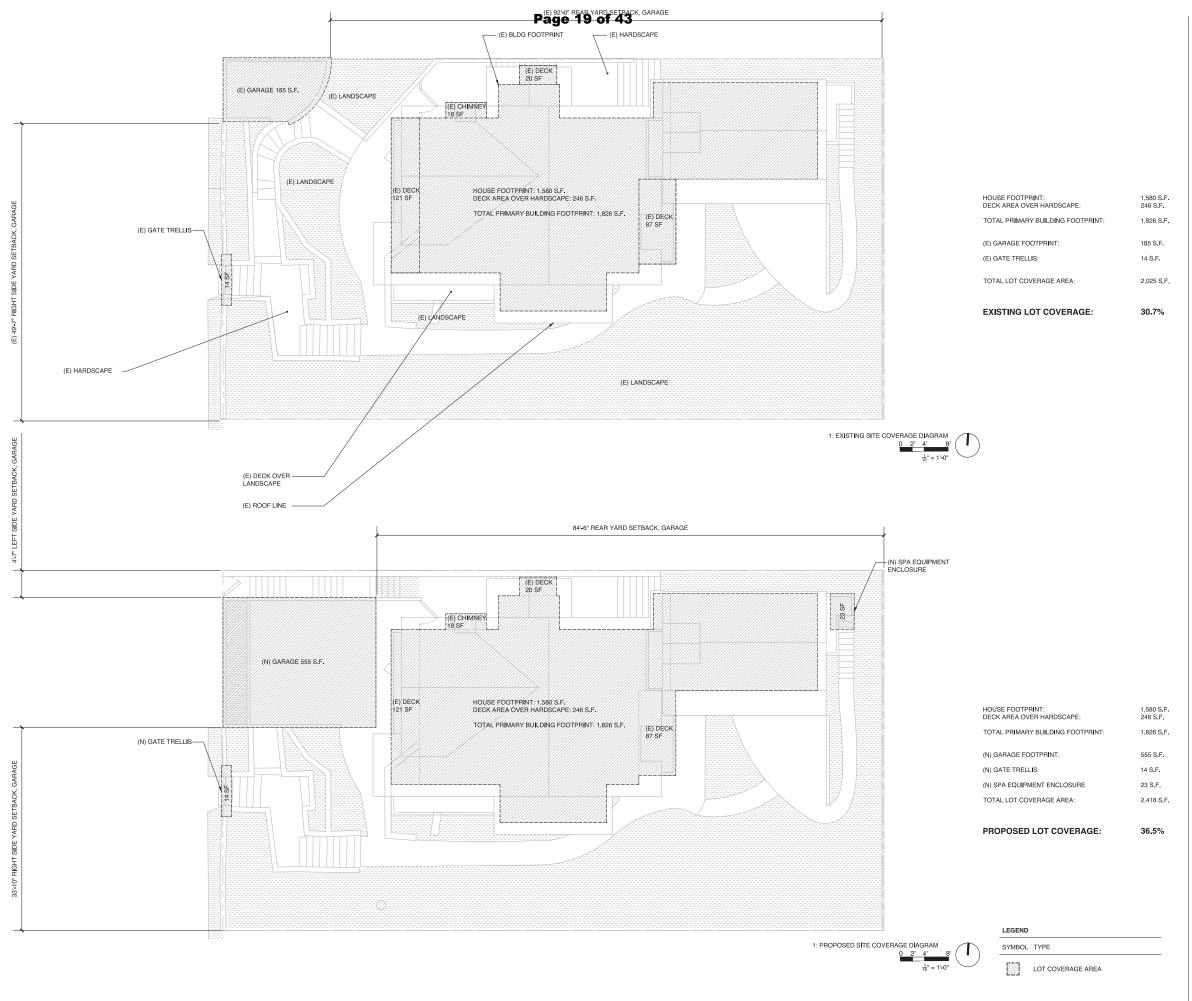
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SURVEY

A0.03





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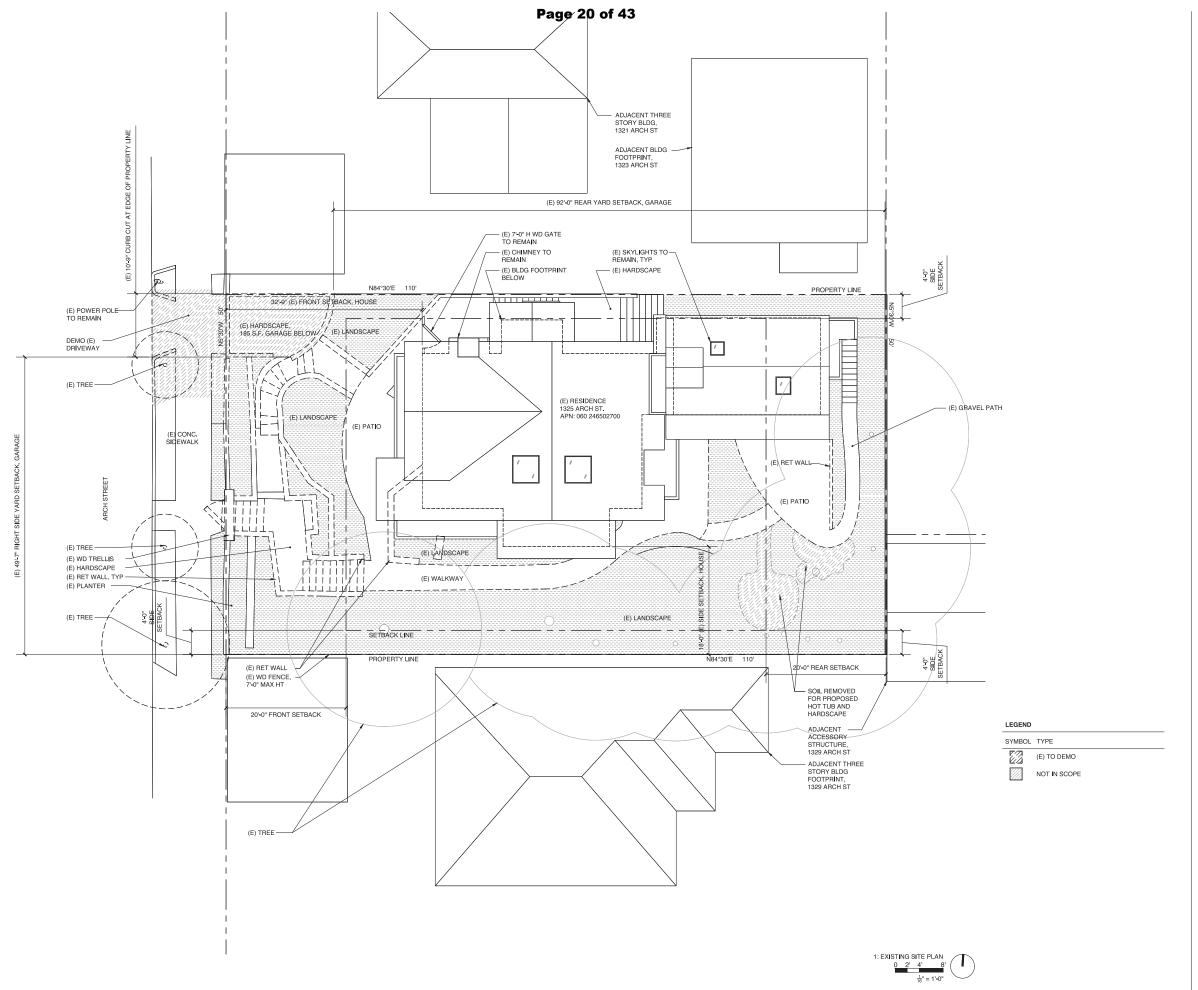
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SHEET TITLE LOT COVERAGE DIAGRAM



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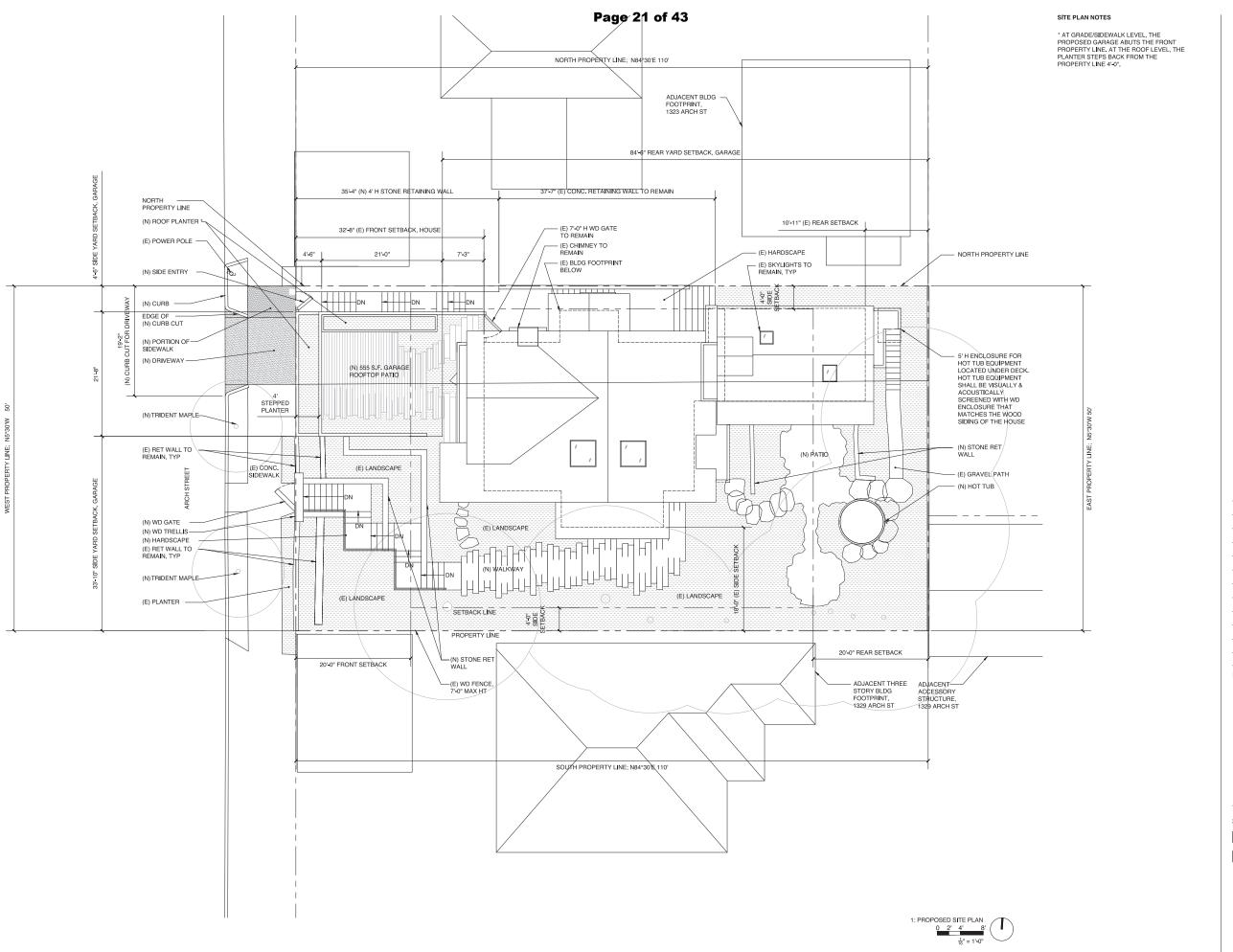
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SHEET TITLE

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**EXISTING SITE AND** LANDSCAPE PLAN



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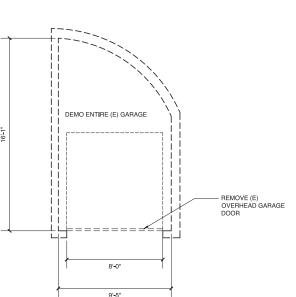
PROPOSED SITE AND LANDSCAPE PLAN

1. DEMOLISH ENTIRETY OF EXISTING GARAGE INCLUDING WALLS, ROOF, AND SLAB.

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SHEET TITLE EXISTING GARAGE **PLANS** 

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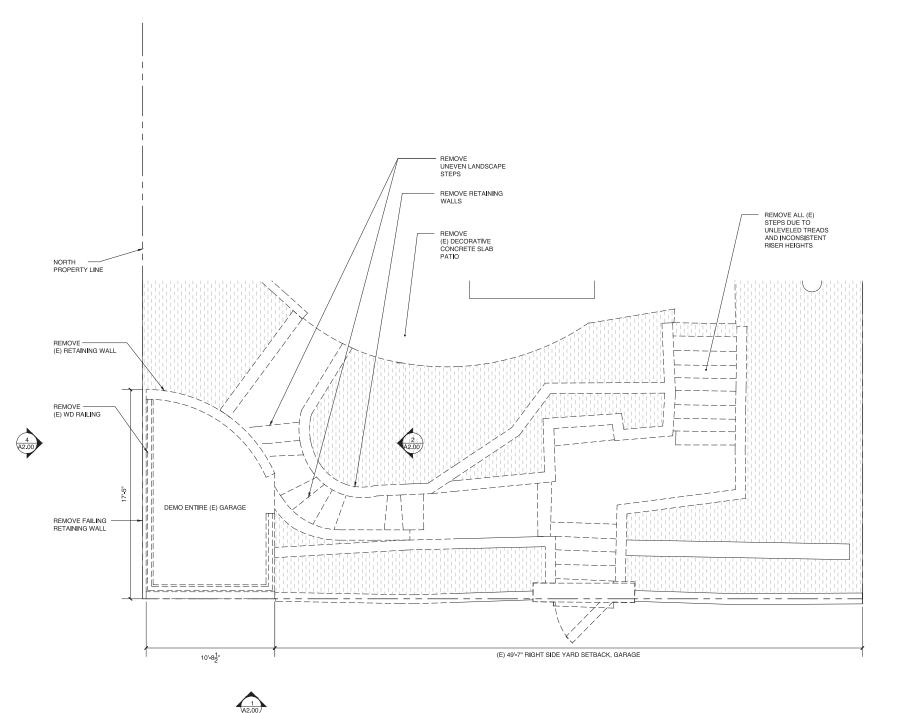
05.03.2022

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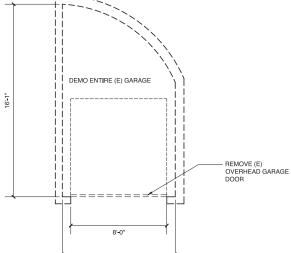
LPC 02 07.29.2022 LPC 03 GARAGE

PJ, CYJ

LPC REVISION









LEGEND	
SYMBOL	TYPE
	(E) TO DEMO
	(E) WALLS

NOTES:

SYMBOL TYPE

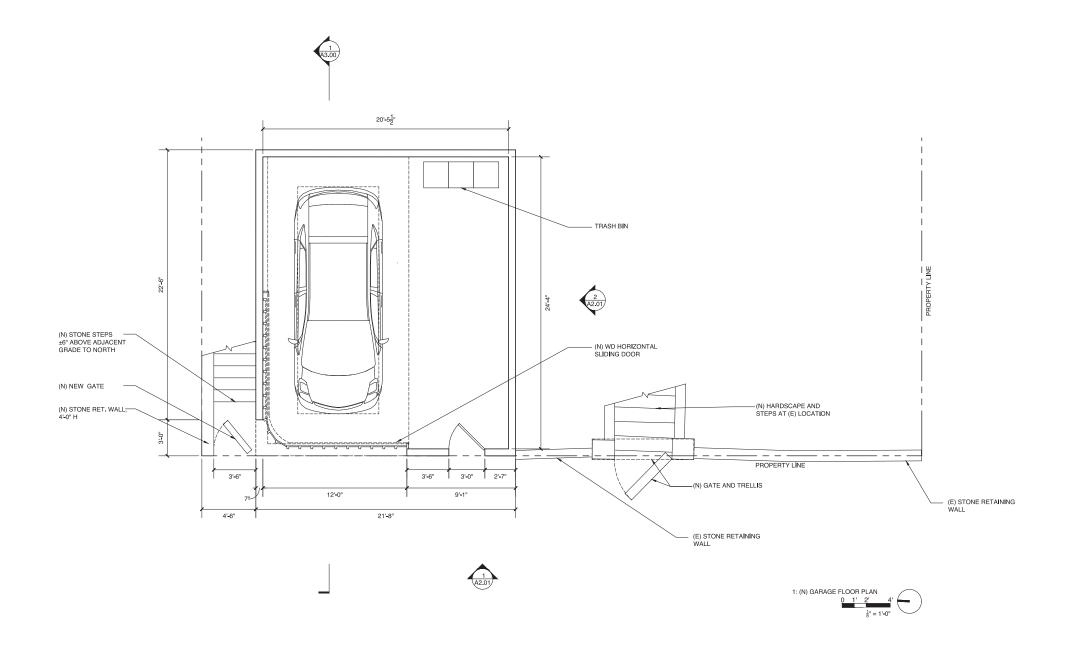
(N) WALLS

AT GRADE/SIDEWALK LEVEL, THE PROPOSED GARAGE ABUTS THE FRONT PROPERTY LINE. AT THE ROOF LEVEL, THE PLANTER STEPS BACK FROM THE PROPERTY LINE 4'-0".

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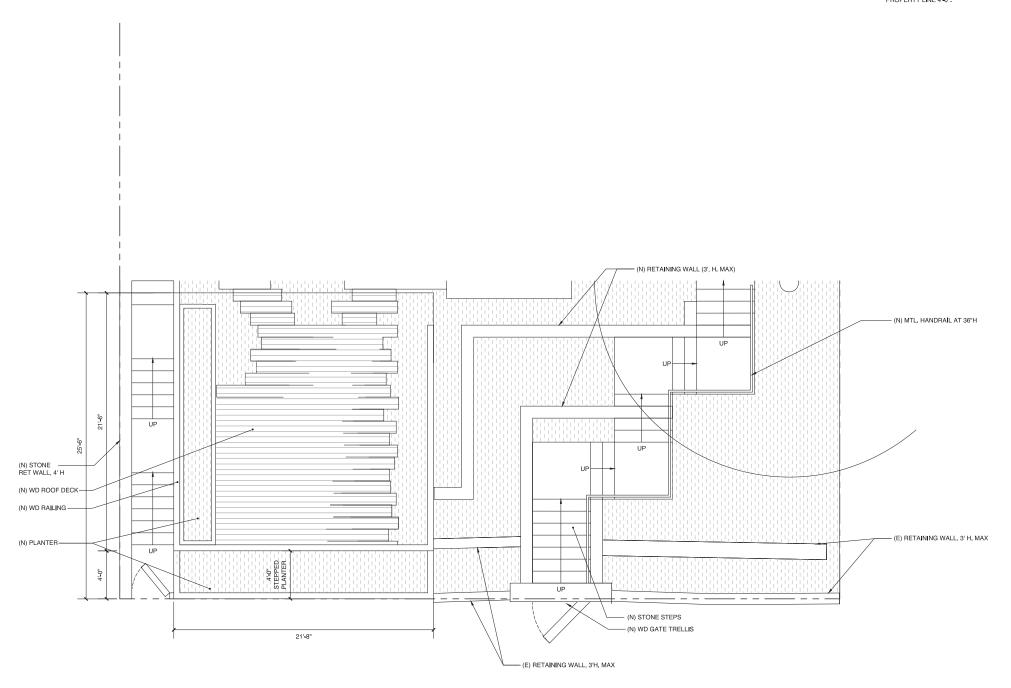
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SHEET TITLE

PROPOSED GARAGE PLANS

AT GRADE/SIDEWALK LEVEL, THE PROPOSED GARAGE ABUTS THE FRONT PROPERTY LINE. AT THE ROOF LEVEL, THE PLANTER STEPS BACK FROM THE PROPERTY LINE 4'-0".





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SHEET TITLE

PROPOSED GARAGE PLANS

# g arcı

ALL EXTERIOR LIGHTING WILL BE SHIELDED TO MINIMIZE GLARE AND LIGHT POLLUTION.



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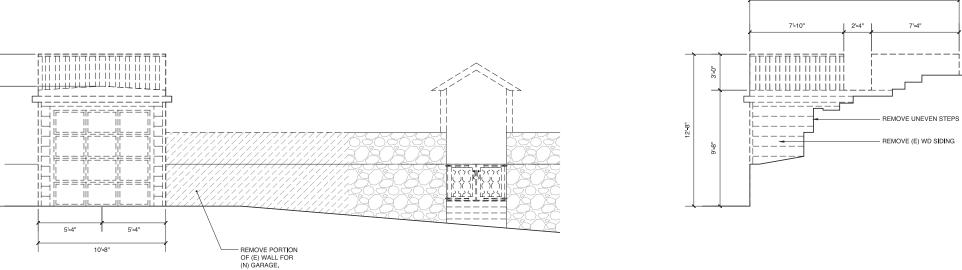
SHEET TITLE

21020

PROPOSED GARAGE RCP

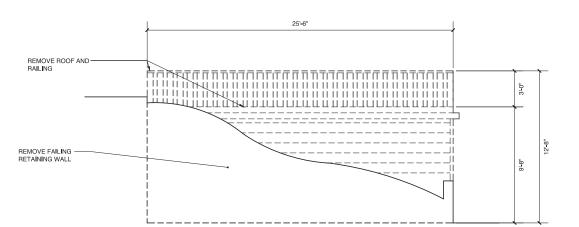
DEMOLISH EXISTING GARAGE IN ITS ENTIRETY.

ES





17'-5"





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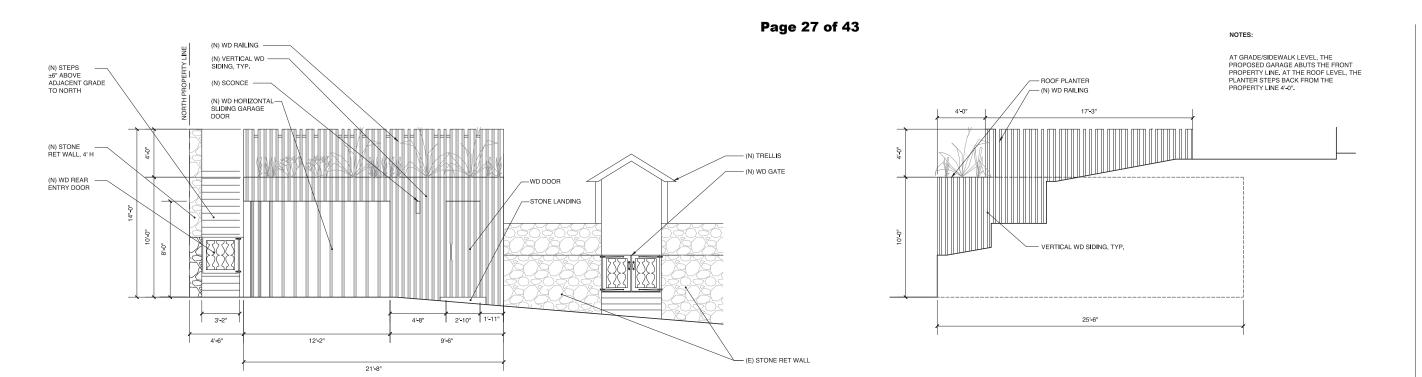
PROJECT NO. 21020 DRAWN PJ, CYJ

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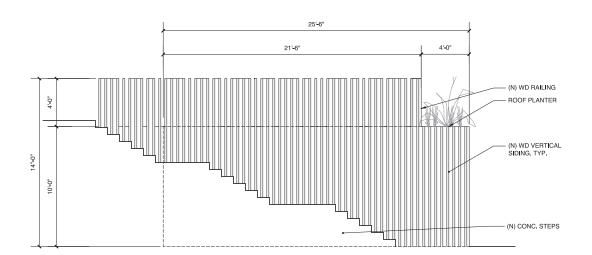
SHEET TITLE
(E)/ DEMO
ELEVATIONS

A2.00



1: (N) WEST ELEVATION GARAGE







2: (N) SOUTH ELEVATION GARAGE

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DATE

PROJECT NO.

21020

ARCH ST

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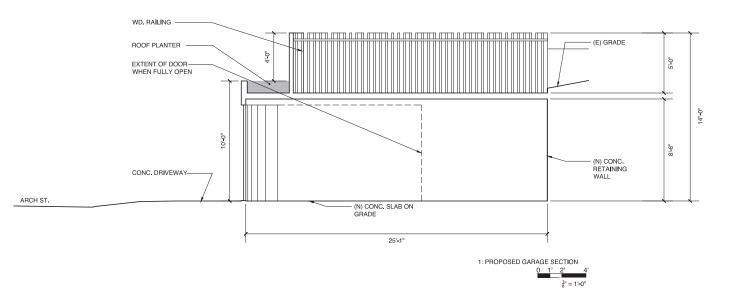
1325 ARCH STREET BERKELEY, CA, 94708

SHEET TITLE
PROPOSED
ELEVATIONS

A2.01

#### NOTES:

AT GRADE/SIDEWALK LEVEL, THE PROPOSED GARAGE ABUTS THE FRONT PROPERTY LINE. AT THE ROOF LEVEL, THE PLANTER STEPS BACK FROM THE PROPERTY LINE 4'-0".



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#### **ARCH ST**

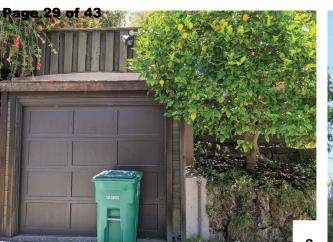
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SHEET TITLE
(N) SECTIONS

A3.00









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#### 1325 ARCH EXISTING

- 1. FRONT ELEVATION
- 2. GARAGE FRONT (NOT MAYBECK STRUCTURE)
- 3. GARAGE FRONT (NOT MAYBECK STRUCTURE)
- 4. MAIN HOUSE
- FRONT YARD RETAINING WALL AND BENCH
- 6. FRONT YARD STEPS NEXT TO GARAGE DECK
- 7. FRONT YARD RETAINING WALL
- 8. FRONT YARD CONCRETE PATIO AND GARAGE DECK
- 9. GARAGE DECK
- 10. WALKWAY FROM MAIN HOUSE TO FRONT YARD
- 11. MAIN HOUSE
- 12. MAIN HOUSE SIDING
- 13. BACKYARD PATIO AND RETAINING WALL
- 14. BACKYARD WOOD STEPS TO UPPER LEVEL

OTHER HOUSES DESIGNED BY BERNARD MAYBECK

DATE	ISSUE	
08.09.20	)21 LPC	
10.29.20	21 LPC REV	ISION
05.03.20	)22 LPC 02	
07.29.20	)22 LPC 03 G	ARAGE
PROJECT N	O. DRAWN	CHECKED
21020	PJ, CYJ	KMS

ARCH ST

1325 ARCH STREET BERKELEY, CA, 94708

SHEET TITLE

EXISTING MATERIALS PHOTOS

**A5.00** SHEET NO.



#### GARAGE EXTERIOR MATERIAL

DECK RAILING

# – GARAGE EXTERIOR WITH WOOD BOARD AND BATTEN SIDING - GARAGE DOOR WITH WOOD BOARD AND BATTEN SIDING

#### SIDELL PAKRAVAN **ARCHITECTS**

PROPOSED GARAGE FROM THE STREET

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07.29.2022	LPC 03 GARAGE

PROJECT NO.

PJ, CYJ

#### ARCH ST

1325 ARCH STREET BERKELEY, CA, 94708

SHEET TITLE

21020

**PROPOSED** MATERIAL

**A5.01** SHEET NO.







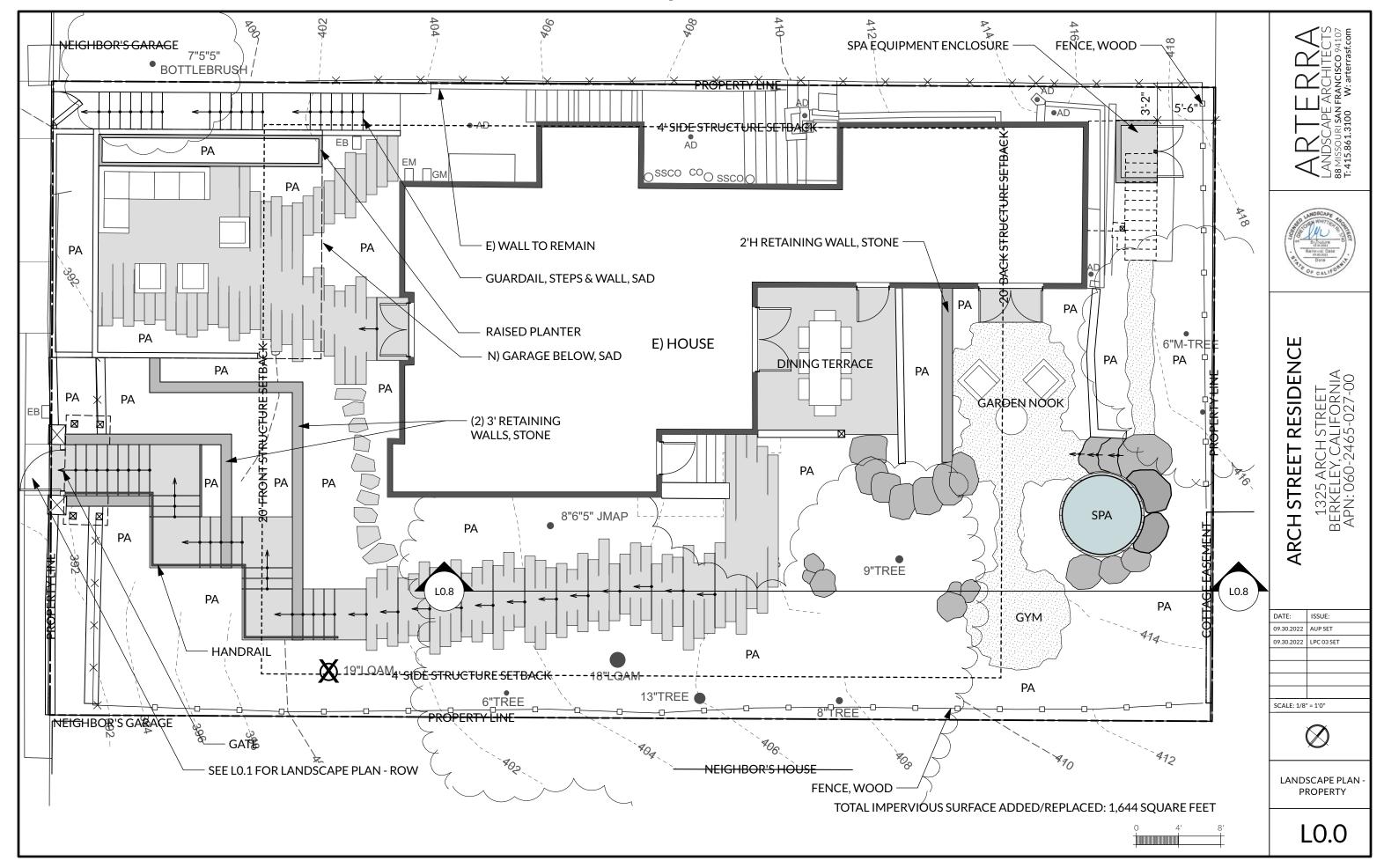
SHAPE AND STYLE OF GARAGE LIGHTING TO COMPLEMENT GARAGE WOOD SIDING

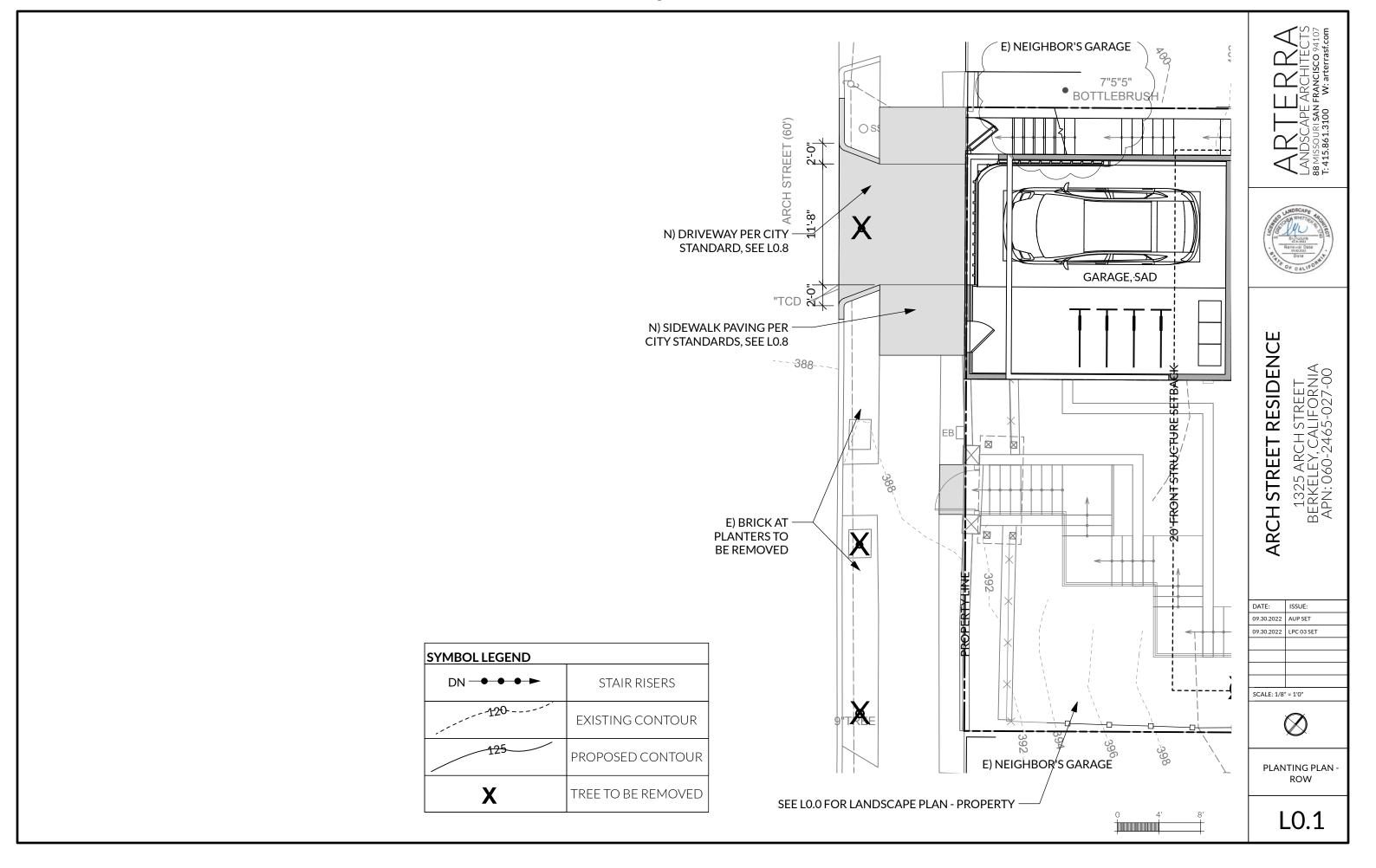


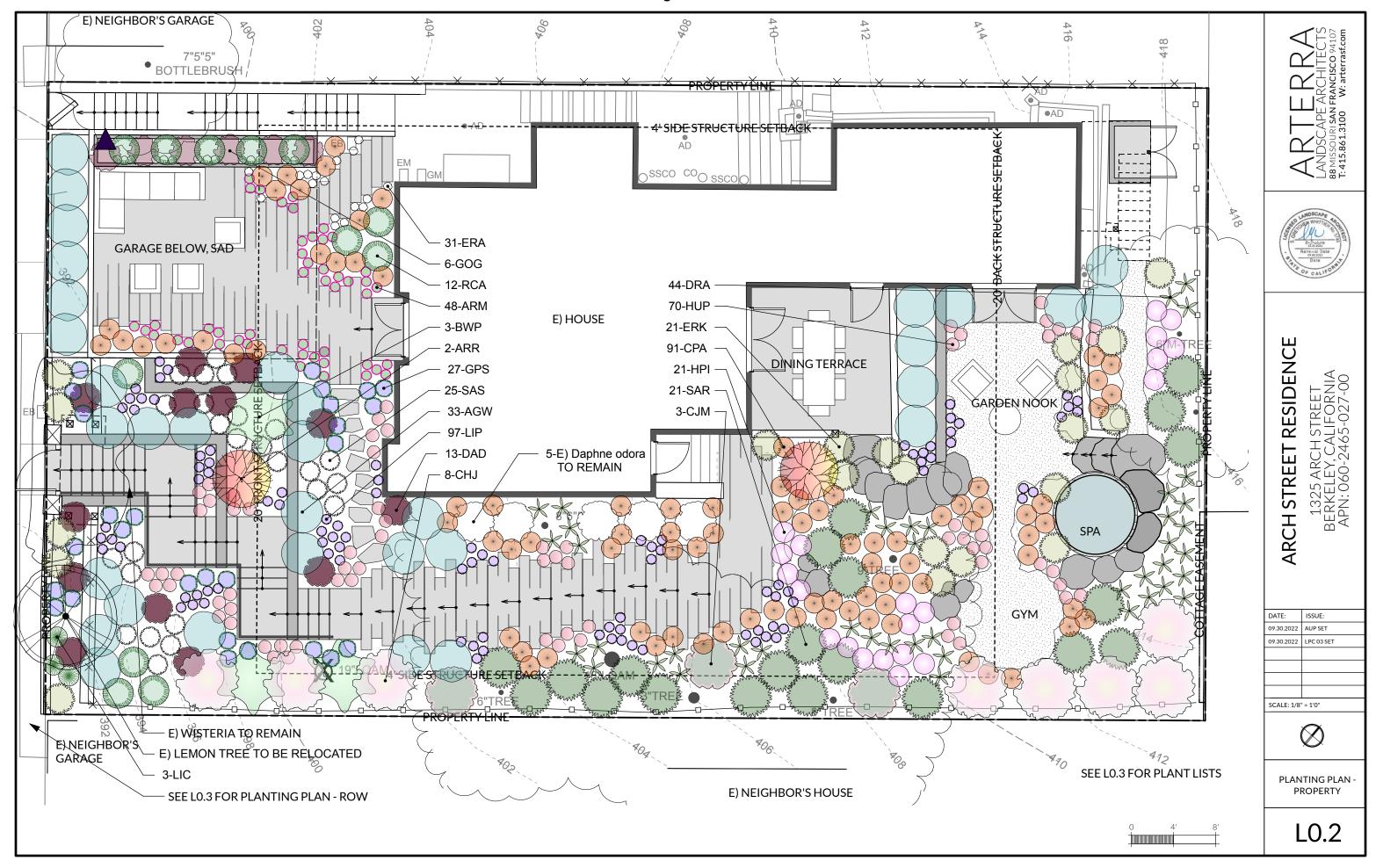
PROPOSED RETAINING WALLS TO BE BUILT WITH MCGREGOR LAKE STONE



HOT TUB EQIPMENT ENCLOSURE TO MATCH THE WOOD BOARD AND BATTEN SIDING OF THE MAIN HOUSE







Plan	t List -	Property					
Qty	ID	Botanical Name	Common Name	Mature Height	Mature Width	Scheduled Size	Features
Trees							
2	ARR	Acer palmatum 'Dissectum Atropurpureum'	Red Ribbonleaf Japanese Maple	6 - 8 ft	6 - 8 ft	24" Box	Specimen, Unusual Foliage, Dwarf
Shru	ıbs						
33	AGW	Abelia x grandiflora 'Prostrata'	Prostrate White Abelia	1 - 2 ft	4 - 5 ft	5 Gal	Evergreen, Fall Color, Fragrant
3	BWP	Buddleja davidii 'White Profusion'	White Profusion Butterfly Bush	6 - 8 ft	5 - 7 ft	5 GAL	Fragrant; Wildlife
3	CJM	Camellia japonica 'Magnoliaeflora'	Magnoliaeflora Camellia	6 - 8 ft	6 - 8 ft	15 Gal	Evergreen; Showy; Winter Flowering
8	CHJ	Camellia sasanqua 'Hana Jiman'	Hana Jiman Camellia	8 - 12 ft	8 - 12 ft	15 Gal	Evergreen; Specimen; Showy; Fall Flowering
21	SAR	Sarcococca ruscifolia	Fragrant Sweet Box	3 - 5 ft	3 - 4 ft	5 Gal	Evergreen; Fragrant; Drought Tolerant
Pere	nnials						
48	ARM	Armeria maritima	Sea Pink, Thrift Seapink	<= 12 in	<= 12 in	1 Gal	Flowers
13	DAD	Dahlia 'Dreamer'	Dreamer Dahlia	3 ft	2 ft	1 Gal	Showy;
44	DRA	Dryopteris arguta	California Wood Fern	18 - 24 in	18 - 24 in	1 Gal	Evergreen; Low Maintenance; Shade Garden; Unusual Foliage;
21	ERK	Erigeron karvinskianus	Santa Barbara Daisy	1 - 2 ft	2 - 3 ft	1 Gal	Low Maintenance; Drought Tolerant
31	ERA	Erodium reichardii 'Album'	White Heron's Bill	<= 12 in	<= 12 in	1 Gal	Unusual Foliage; Drought Tolerant
27	GPS	Geranium phaeum 'Samobor'	Samobor Cranesbill	1 - 3 ft	1 - 3 ft	1 Gal	Showy; Low Maintenance;
6	GOG	Gomphrena globosa 'Fireworks'	Fireworks Globe Amaranth	1 - 2 ft	3 ft	1 Gal	Showy; Drought Tolerant
21	HPI	Helleborus 'Peppermint Ice'	Peppermint Ice Hellebore	2 ft	2 ft	1 Gal	Evergreen; Showy; Unusual Foliage; Shade Garden; Winter Flowering
70	HUP	Heuchera 'Paris'	Paris Coral Bells	12 - 18 in	12 - 18 in	1 Gal	Evergreen; Showy; Low Maintenance; Wildlife; Drought Tolerant
3	LIC	Libertia chilensis	Satin Flower	2 - 3 ft	2 - 3 ft	1 Gal	Evergreen; Drought Tolerant; Low Maintenance
97	LIP	Linaria purpurea	Toadflax	3 ft.	1 ft	1 Gal	Showy; Drought Tolerant
12	RCA	Rhodocoma capensis	Cape Restio	4 - 6 ft	2 - 4	5 Gal	Evergreen; Unusual Foliage; Drought Tolerant
25	SAS	Scabiosa atropurpurea 'Snowmaiden'	Snowmaiden	3 ft	2 ft	1 Gal	Showy; Wildlife
Orna	menta	l Grasses					
91	CPA	Carex pansa	California Meadow Sedge	1 - 2 ft	1 - 2 ft	1 Gal	Low Maintenance

Mature

1 - 3 ft

Common Name

Trident Maple

Satin Flower

Santa Barbara Daisy

Samobor Cranesbill

Qty ID

Trees 2 ACB **Botanical Name** 

Acer buergerianum

13 GPS Geranium phaeum 'Samobor'

Perennials
11 ERK Erigeron karvinskianus

35 LIC Libertia chilensis

Mature

**15 - 35 ft 12 - 20 ft** 24" Box

1 - 3 ft

2 - 3 ft 2 - 3 ft 1 Gal

Scheduled

1 Gal

Fall Color, Specimen; Low Root Damage Potential

Evergreen; Drought Tolerant; Low Maintenance

Low Maintenance; Drought Tolerant

Showy; Low Maintenance;



ARCH STREET RESIDENCE 1325 ARCH STREET BERKELEY, CALIFORNIA APN: 060-2465-027-00

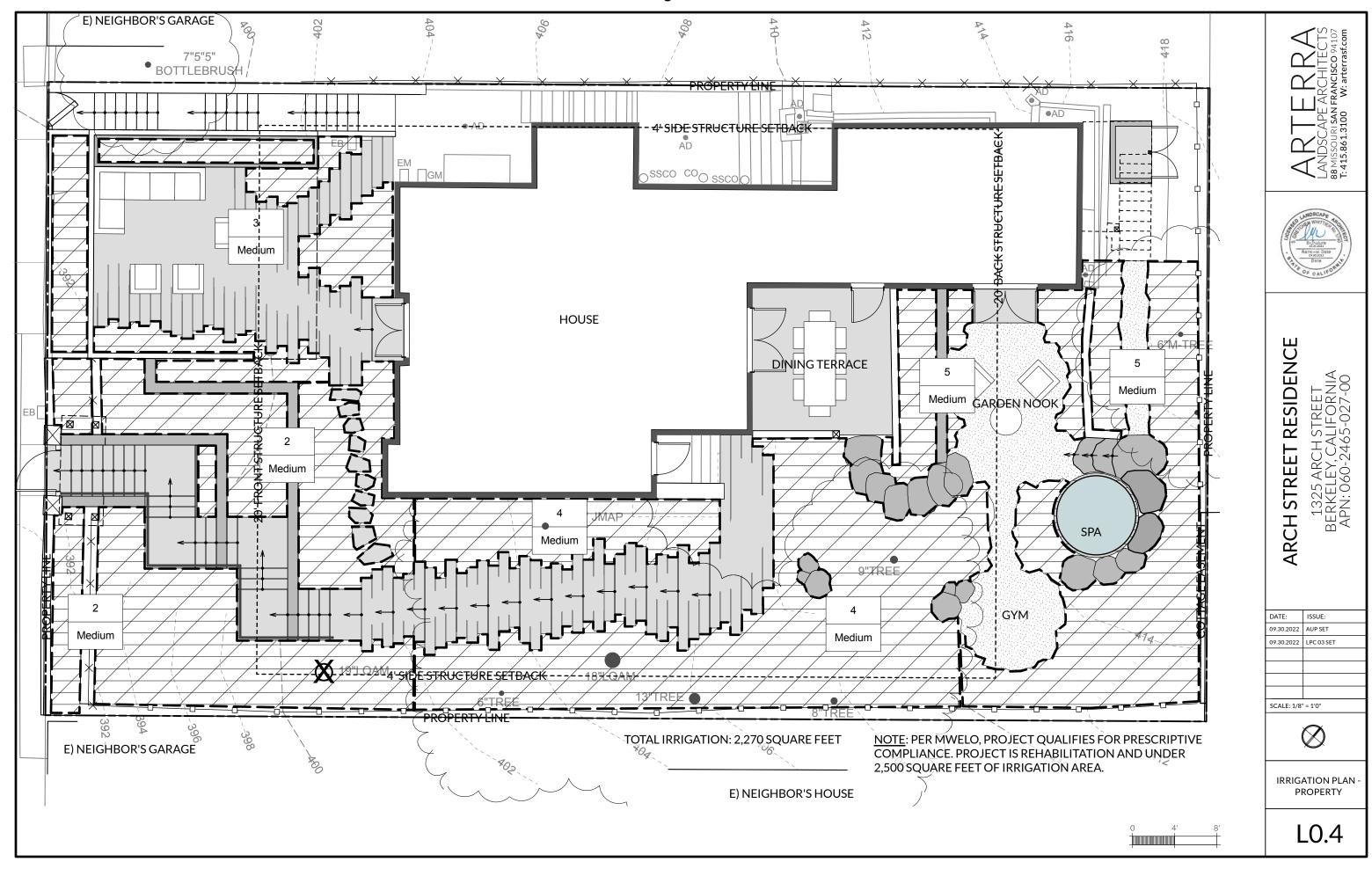
DATE: ISSUE:
09.30.2022 AUP SET
09.30.2022 LPC 03 SET

SCALE: 1/8" = 1'0"

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PLANTING PLAN -ROW & PLANT LIST

L0.3



#### **SECTION 1: POINT OF CONNECTION COMPONENTS**

#### **ORDER OF COMPONENTS:**

- 1. MANUAL SHUT-OFF VALVE (GATE VALVE OR BALL VALVE)
- 2. REDUCED PRESSURE BACKFLOW PREVENTER
- 3. IRRIGATION-ONLY WATER METER OR FLOW METER
- 4. FLOW SENSOR

#### **SECTION 3: PIPE SIZING**

- 1. FOR SPRINKLER ZONES WITH A FLOW BETWEEN 0GPM AND 8 GPM, ¾" SCHEDULE 40 PVC MINIMUM PIPE SIZE.
- 2. FOR SPRINKLER ZONES WITH A FLOW BETWEEN 8 GPM AND 12 GPM, 1" SCHEDULE 40 PVC MINIMUM PIPE SIZE.
- 3. FOR ALL ZONES LARGER THAN 12 GPM, CONSULT WITH LA.

#### SECTION 2: COMPONENT SCHEDULE

#### BACKFLOW PREVENTER

FEBCO #825Y-1" or approved equal

#### **CONTROL VALVES**

TORO Remote Control Valve, TPV Series

#### MAINTINE

1120 SCH.40 PVC Solvent weld pipe with SCH 40 PVC solvent

#### WELD FITTINGS

18" Cover, min.

#### LATERAL LINES

1120-200 PSI PVC solvent weld pipe with SCH 40 PVC solvent

#### WELD FITTINGS

12" cover, min.

#### SLEEVES

1120- CLASS 200 PVC plastic pipe. 24" cover, min.

#### CONTROLLER

HUNTER ACC2 with SOLAR SYNC. Mount in accessible are for landscape maintenance crew.

#### WEATHER SENSOR SENSOR

HUNTER SOLAR SYNC mounted on SW side of property

#### SPRAY HEADS

HUNTER PRO SPRAY or RAINBIRD SAM PRS. Min 6" pop up in turf, 12" pop up in shrub areas.

#### **VALVE BOXES**

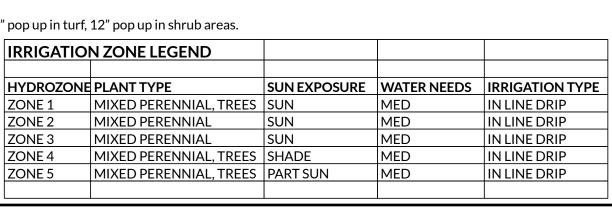
CARSON, black plastic

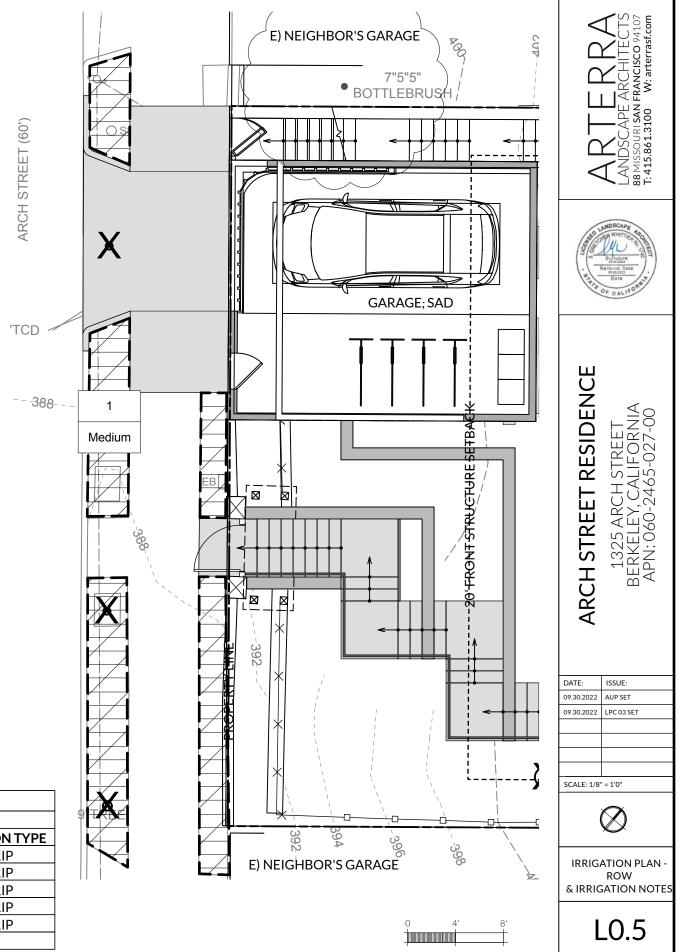
#### HOSE BIB

CHAMPION or BUCKNER with vacuum breaker

#### GATE VALVE

NIBCO, (line size)





#### SECTION 3: DRIP SYSTEM SCHEDULE - EMITTERLINE TUBING

IN-LINE EMITTER TUBING NETAFIM TECHLINE CV

#### IN-LINE FILTER

TORO DRIP ZONE KIT WITH REMOTE CONTROL VALVE, WYE FILTER WITH 150 MESH SCREEN AND 30 PSI PRESSURE REGULATOR/KBI PVC BALL VALVE OR SIMILAR. IF SITE STATIC PRESSURE IS LESS THAN 30 PSI, DO NOT INSTALL A PRESSURE REGULATOR ON DRIP ZONES.

#### **NETAFIM GRID SPECIFICATIONS**

EMITTER FLOW, EMITTER SPACING AND GRID ROW SPACING BASED ON SOIL TYPE OF SITE:

Soil Type	Emitter Flow	Emitter Spacing	Row Spacing	Application Rate
Coarse Sand	0.9 gph	12"	16"	1.11 in/hr
Sand	0.6 gph	12"	16"	0.73 in/hr
Sandy Loam	0.6 gph	12"	16"	0.73 in/hr
Loam	0.4 gph	18"	18"	0.30 in/hr
Clay Loam	0.4 gph	18"	18"	0.30 in/hr
Clay	0.4 gph	18"	18"	0.30 in/hr
Clay	0.26 gph	18"	18"	0.19 in/hr

#### SECTION 6: DRIP SYSTEM SCHEDULE - POINT SOURCE EMITTERS

THE RECOMMENDED DRIP METHOD IS EMITTER LINE TUBING GRIDS, AS SHOWN ABOVE. WHEN USING INDIVIDUAL EMITTERS, USE THE FOLLOWING SCHEDULE:

Container size	# of .5 gph Emitters	Total Flow	Configuration
4"	1 Emitter	.5 gph	On root ball
1 gallon	2 Emitters	1 gph	Opposite sides of root ball
2 gallon	2 Emitters	1 gph	Evenly around root ball
5 gallon	4 Emitters	2 gph	Evenly around root ball
15 gallon	5 Emitters	2.5 gph	Evenly around root ball
24" Box	10 Emitters	5 gph	Concentric rings
36" Box	18 Emitters	9 gph	Concentric rings
48" Box	27 Emitters	13.5 gph	Concentric rings

#### **SECTION 4: DRIP SYSTEM NOTES**

- LOCATE IN-LINE FILTER, PRESSURE REGULATOR AND VALVE IN VALVE BOXES.
- 2. FOR DRIP ZONES WITH A FLOW OF LESS THAN 4 GPM, ½" POLYETHYLENE TUBING MAY BE LEAD ALL THE WAY FROM THE VALVE TO THE DRIP ZONE.
- 3. FOR DRIP ZONES WITH A FLOW BETWEEN 4 GPM AND 8 GPM, ¾" SCHEDULE 40 PVC SHALL RUN FROM THE VALVE TO THE BEGINNING OF THE ZONE.
- 4. FOR DRIP ZONES WITH A FLOW BETWEEN 8 GPM AND 12 GPM, 1" SCHEDULE 40 PVC SHALL BE RUN FROM THE VALVE TO THE BEGINNING OF THE ZONE.
- 5. LOCATE EMITTER DISCHARGE WITHIN THE WATERING BASIN OF EACH PLANT. SEE PLANTING PLAN FOR EXACT LOCATION AND SIZE OF PLANTS TO DETERMINE LOCATION OF EMITTERS. SECURE ABOVE GRADE EMITTER LINES TO FINISH GRADE WITH PLASTIC OR METAL STAPLES.
- `6. INSTALL ONE MANUAL FLUSH VALVE FOR EACH DRIP SUB-ZONE ON THE EXHAUST HEADER AT THE HYDRAULIC OPPOSITE END FROM THE SUPPLY HEADER.
- 7. INSTALL ONE DRIP ZONE FLOW INDICATOR WITHIN 3 FEET OF THE FLUSH VALVE FOR EACH ZONE.
- 8. IF 1/4" INCH TUBING IS USED, INSTALL E.O.V.C. BUG CAPS AND TUBING STAKES AT THE DISCHARGE ENDS BY 'SALCO'. 1/4" TUBING LENGTHS TO BE NO GREATER THAN SIX FEET.
- 9. IN-LINE EMITTER TUBING SHALL BE INSTALLED AS A CLOSED LOOP GRID SYSTEM. ALL DRIP GRIDS SHALL BE SITUATED ON THE CONTOUR OF SLOPES AND NOT PERPENDICULAR TO THE SLOPE. INSTALL TUBING ON TOP OF FINISH GRADE AND UNDER MULCH. ENSURE THAT EACH PLANT HAS AN EMITTER ON ITS ROOT BALL TO ESTABLISH IT.
- 10. POINT SOURCE DRIP (BUTTON EMITTERS, FLAG EMITTERS, SHRUBBLERS, AND VARI-SPRAYS) SHALL BE AVOIDED, IF POSSIBLE. INSTALL AN INLINE GRID IN ALL PLANTED AREAS.

#### **SECTION 8: PRESSURE AND FLOW RECORDING**

- 1. CONTRACTOR SHALL MAINTAIN A SET OF 'AS-BUILT' DRAWINGS THROUGHOUT THE CONSTRUCTION AND PREPARE AND DELIVER A LEGIBLE COPY OF THE PLAN TO THE LA/OWNER UPON COMPLETION OF THE WORK AND BEFORE FINAL PAYMENT. THE IRRIGATION PLAN SHALL INDICATE LOCATIONS OF ALL UNDERGROUND PIPES, LOCATION OF SLEEVES, LOCATION OF VALVES AND ANY OTHER INFORMATION NECESSARY FOR LONG-TERM MAINTENANCE OF THE SYSTEM. ONE LAMINATED PLAN COPY AND ONE LAMINATED VALVE ZONE SCHEDULE MUST BE PLACED AT THE IRRIGATION CONTROLLER.
- 2. CONTRACTOR SHALL INCLUDE BASE FLOW READING IN GALLONS PER MINUTE FOR EACH VALVE ZONE ON THE AS-BUILT IRRIGATION DRAWING.
- CONTRACTOR SHALL NOTE THE STATIC PRESSURE ON THE AS-BUILT IRRIGATION DRAWING.
- 4. CONTRACTOR TO PROVIDE ONE IRRIGATION BINDER TO THE LA/OWNERS, AT FINAL WALK THROUGH. BINDER TO INCLUDE AS-BUILT IRRIGATION DRAWING, VALVE MAP, MANUFACTURER'S OPERATING INSTRUCTIONS AND WARRANTY AND REPAIR INFORMATION.
- 5. CONTRACTOR TO PROVIDE AN IRRIGATION AUDIT REPORT (ALL PROJECTS UNDER 2500SF CAN BE CONDUCTED BY THE INSTALLING CONTRACTOR. FOR ALL PROJECTS OVER 2500 SF, A QUALIFIED CLIA IRRIGATION AUDITOR MUST BE HIRED.)

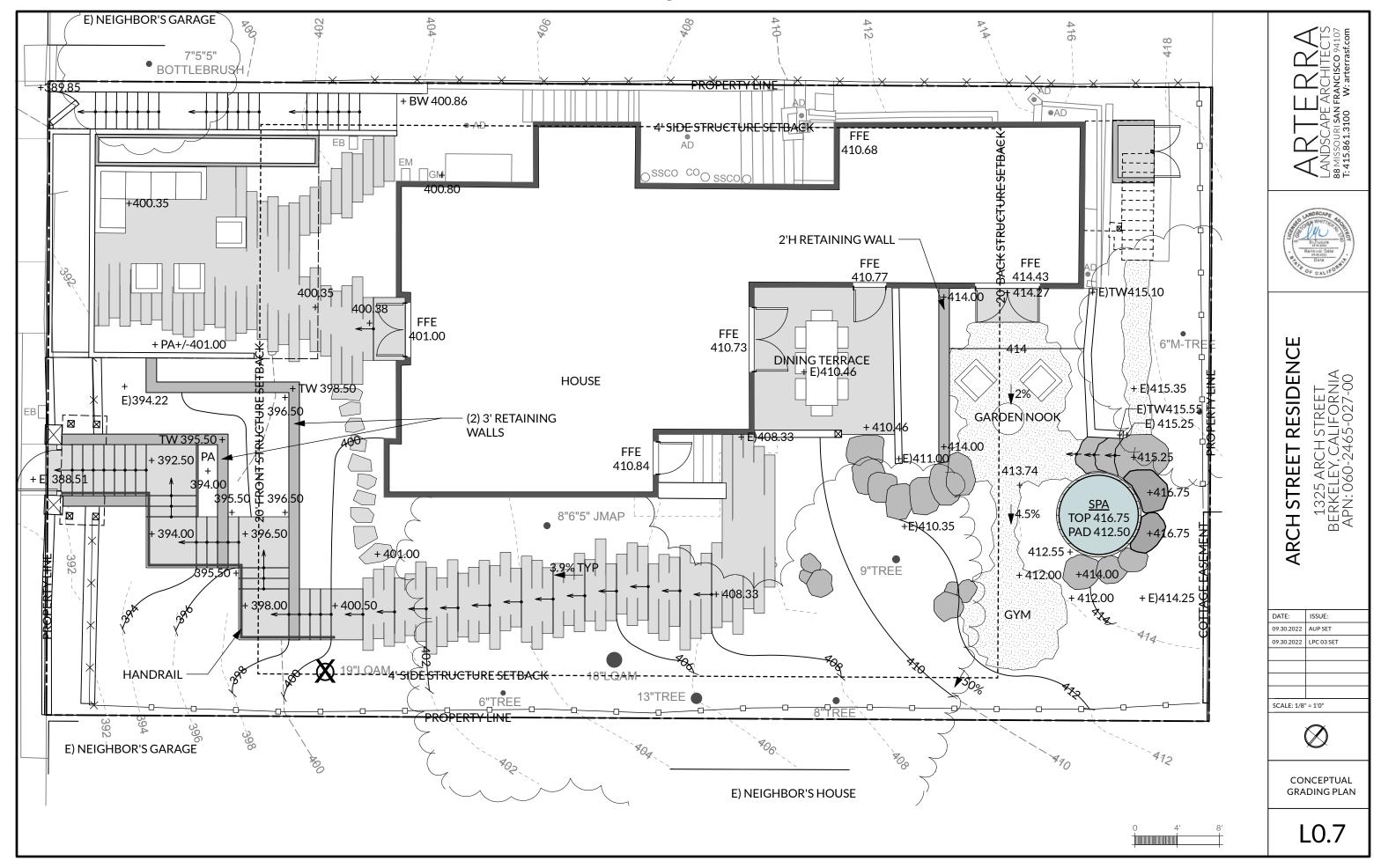


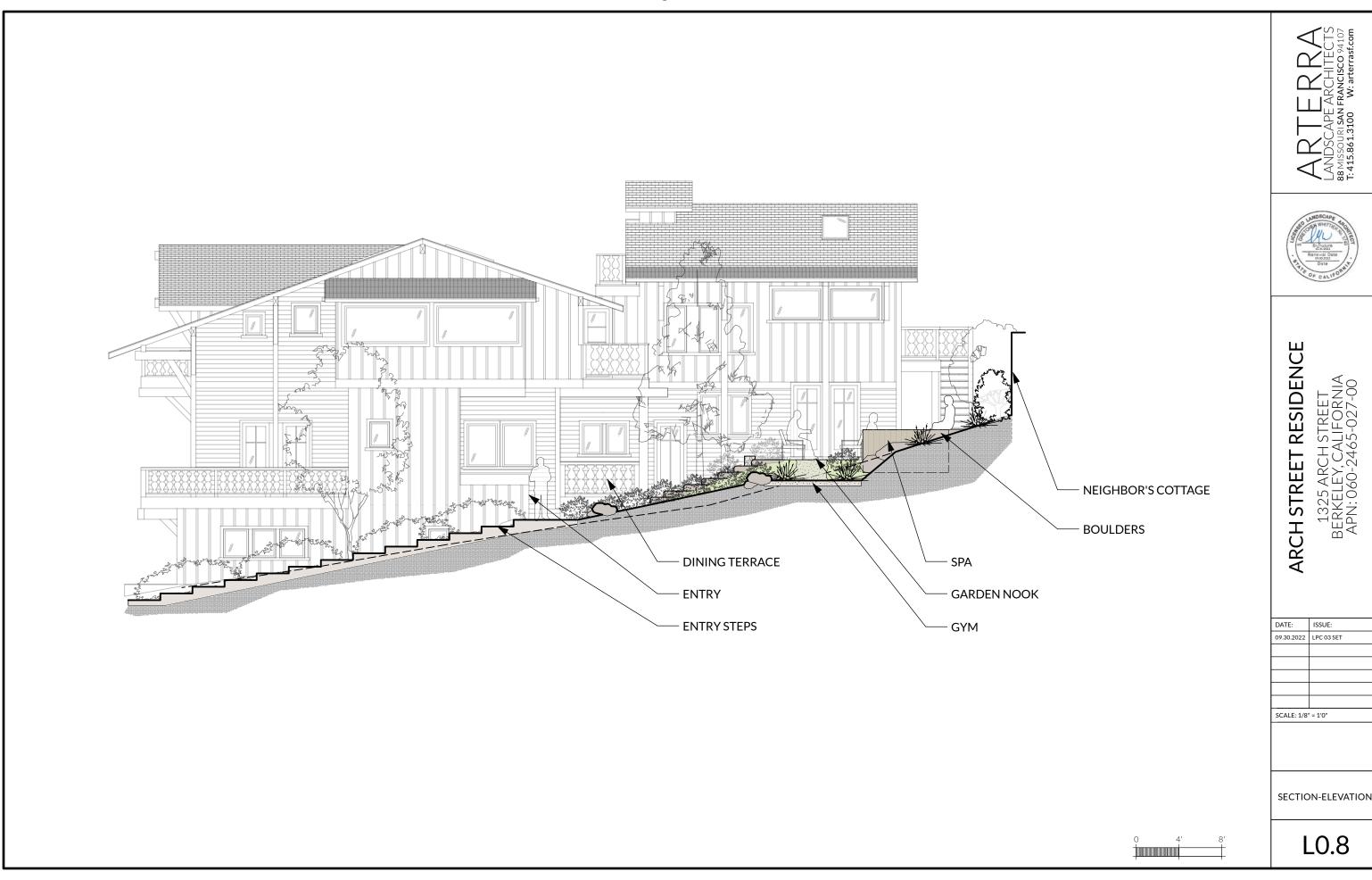


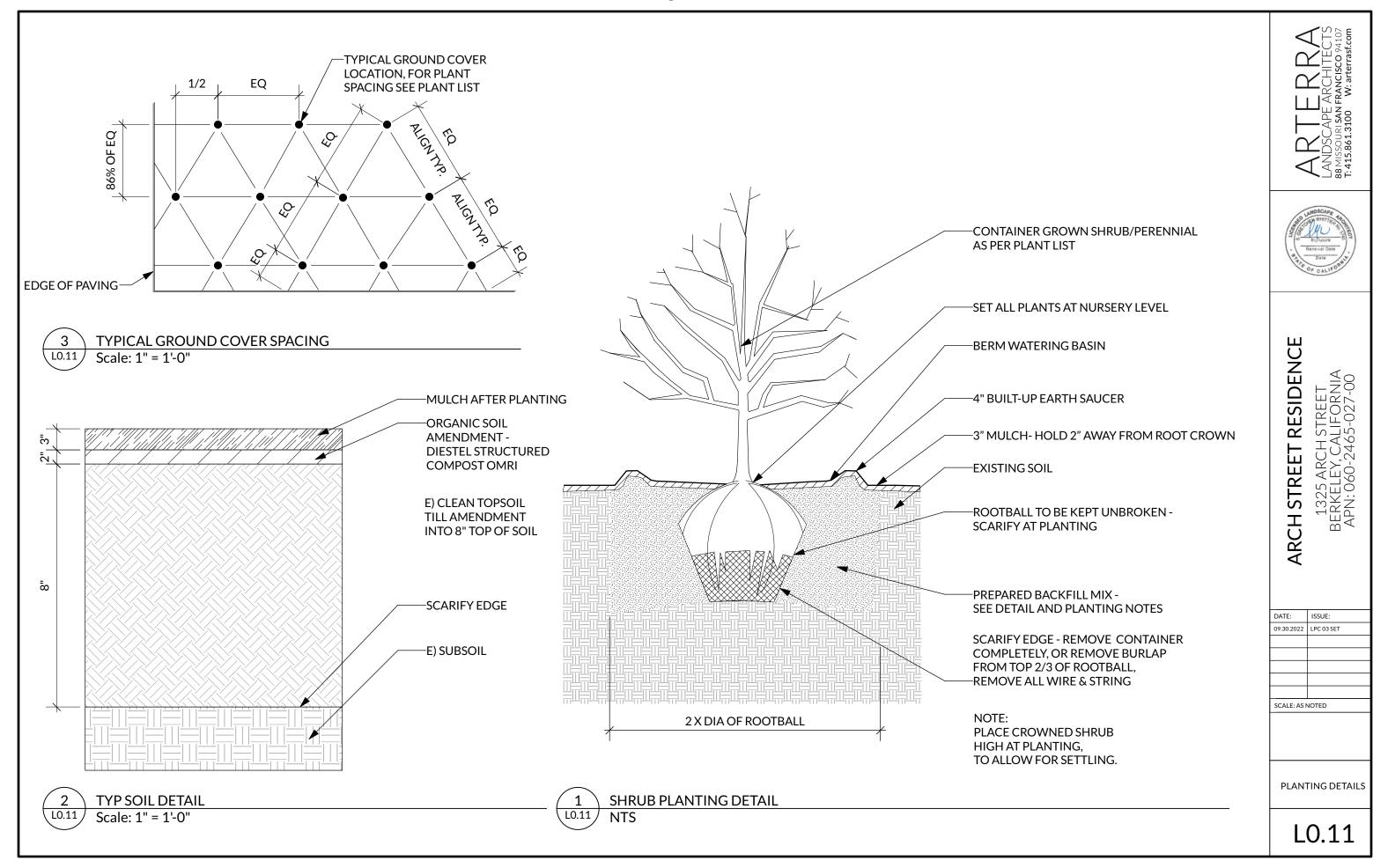
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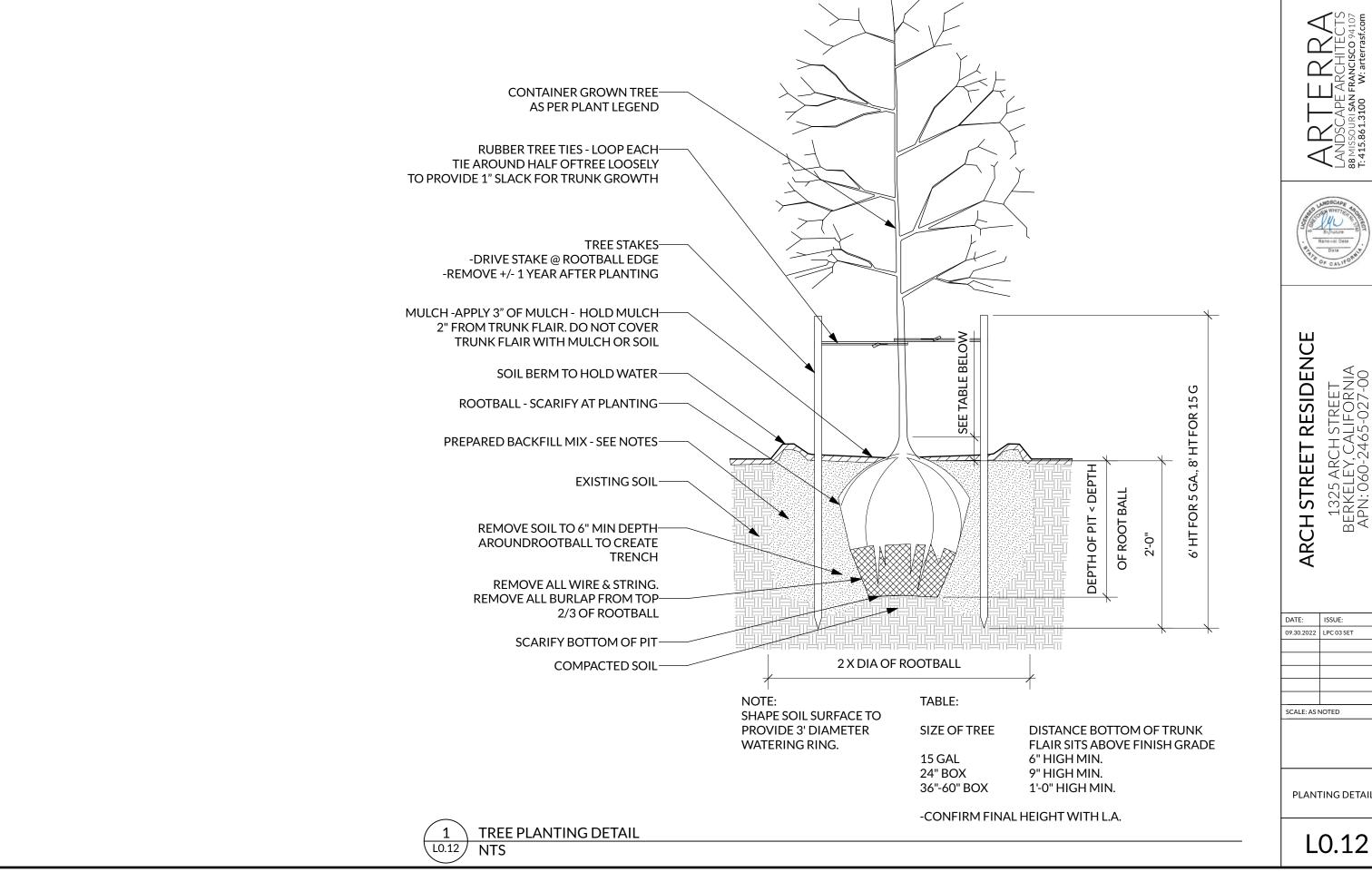
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IRRIGATION NOTES		

L0.6











PLANTING DETAILS

