

PROJECT TEAM

DEVELOPER I OWNER

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ARCHITECT

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C-3.1





DEVELOPMENT STATEMENT

The project proposes the demolition of an existing single story commercial building, to prepare the site for the construction of a mixed-use three story building, comprised of two stories of residential living units over retail spaces at the street level. The retail businesses and residential units share a common off street surface parking area at the interior of the lot. Sidewalk frontage improvements are anticipated along the property edges of Broad St and Lawrence Dr. conforming to current City Standards.

CEQA STATUS

This environmentally benign project is categorically exempt from CEQA per CEQA guideline 15332 as the project satisfies the conditions of a class 32 in-fill development project.

PUBLIC ART

The requirements of the Public Art Ordinance shall be met through payment of an inlieu fee and are applicable only to the non-residential building identified in the project plans as Building D. The fee is determined by the amount equal to one-half of one percent (0.5%) of that portion of the total construction costs in excess of \$100,000, not to exceed \$50,000 for each building permit. The expected project cost remains to be evaluated.

INCLUSIONARY HOUSING

The payment of an In-Lieu Fee is an anticipated in lieu of constructing affordable dwellings to meet the requirements of SLOMC 17.91.

COMMERICAL LEASE SPACES

The proposed commercial lease spaces shall either be for an allowed use or where discretionary approval is required for a proposed use a separate Use Permit(s) shall be requested in the future when the tenant is confirmed.

VOLUNTARY LOT LINE ADJUSTMENT

Existing interior property lines will be requested extinguished through a Voluntary Lot Merger prior to Issuance of building permit.

BROAD STREET MIXED USE

2800 BROAD STREET | SAN LUIS OBISPO 21.0729 ARC SUBMITTAL 02

Preliminary Utility Plan

Clean Energy Choice Program for New Buildings Building Permit Certificate of Compliance

T: 805.781.7180 F: 805.781.7182

CLEAN ENERGY CHOICE PROGRAM FOR NEW BUILDINGS PLANNING ACKNOWLEDGEMENT STATEMENT

EFFECTIVE DATE: September 1, 2020

APPLICABLE PROJECTS: All New Residential and Non-Residential New Buildings

APPLICABLE CODES: 2019 CEnC, CEC, CBC, and SLOMC

INSTRUCTIONS: Complete the statement form below and please include the statement on the plans in both the planning entitlement application and building permit submittal. A physical signature or DocuSign are acceptable methods of signing.

THIS PROJECT IS SUBJECT TO THE ENERGY REACH CODE. Ordinance No. 1684 (SLOMC 15.04.110)
Choose one of the following:
X The project has chosen the "All-Electric" building design.
The project has chosen the "Mixed-Fuel" building design.
Signature
Position/Ti Project Architect
Date_ May 25, 2021
For compliance instructions, please visit the following website: www.slocity.org/cleanenergychoice

PROJECT DATA

Adjacent Zoning

Address 2800 Broad Street, San Luis Obispo, CA 93401

APN 053-195-004

Zoning C-R Commercial Retail and C-S Service Commercial

R-3PD (Villa Rosa), C-S/C-R (Guild Hall)

Lot Area: 27,199 sq ft [0.62 acres] (MBS Survey 09/18/20)

C-S zoned 11,218 sq ft [41.2% of lot] C-R zoned 15.981 sq ft [58.8% of lot]

Current Use: Commercial

Proposed Use: Mixed-Use Building wtih Residential over Commercial

Lot Coverage:

Lot Size 27,199 sq ft

80% Anticipated 21,759 sq ft [SBSAP Combined C-S + C-R zones]

43% Proposed 11,630 sq ft [11,630/ 27,199]

Gross Building Areas: 8,797 sf Level 1 Commercial 10.116 sf Level 2 Residential

10,116 st Level 2 Residential 10.084 sf Level 3 Residential

Total Gross Areas 28,997 sf

Floor Area Ratio:

3.0 /1.5 Allowed C-R 17.30.020 / C-S 17.36.020

1.0 Anticipated SBA

1.06 Proposed 28,997 sf/ 27,199 sf

Density Allowed:

[58.8% x 36 du/acre] + [41.2% x 24 du/acre]

Density Proposed:

23.4 units/acre [14.6 du/0.62 acre]

4 density units [8 x 0.5 du] [8] 1-bedroom dwelling units <600sf <0.0 density units [4 x 0.66 du] [4] 1-bedroom dwelling units >600sf <0.0 density units [4 x 1.0 du] [4] 2-bedroom townhomes

14.6 density units 20 total dwelling units

Affordable Housing:

Base Requirement Commercial 2 dwelling units [2 ADU/acre x 0.62acres= 1.2]

Residential Provide 3% low income [0.6] or 5% moderate income [1] dwelling units Adjustment factor 0.0 [average unit size 1,010 sf and 23.4 units/acre] minimum 1 unit required

Adjusted Requirement 1 unit minimum

Provided In-lieu fee payment equal to 1.25% of building valuation

Building Height:

Allowed 40' maximum, 25' minimum
Proposed 39.75' above average natural grade

Building Setbacks:

Broad St. Corridor O'minimum, 5'maximum street setback

Lawrence Dr. Entry St 5' build-to

Side Yard Adj Structure 0'minimum,10'maximum

Side Yard Adj 'Woonerf' 12.5' minimum

Common Open Space

Active Resident Roof Deck 372 sf Active Pedestrian Court 590 sf

Passive Resident Balconies 632 sf [447 sf level 1+ 185 level 2]

Total 1,594 sf

Vehicle Parking Required:

[4] Townhomes $6[8 \times 0.75 \text{ per bedroom}]$ [12] 1-bedroom dwelling units $9[12 \times 0.75 \text{ per bedroom}]$ [4] 2-bedroom dwelling units $6[8 \times 0.75 \text{ per bedroom}]$

Guest 4 [1 per 5 dwellings × 20 dwellings]

Commercial

Instructional Services 10.8 [1 per 200 sf x 2,158]

Office/General Retail 6.9 [1 per 300 sf x 2,055]

FoodPrep/Indoor Storage 2.4 [1 per 1,500 sf x 1,404+1,015+1,186]

Subtotal 45.

Shared Parking Reduction -10% Mixed-Use Parking Reduction -20%

Total 31.6 spaces

Vehicle Parking Provided:

Surface Parking Standard 17

Surface Parking Compact 15 [15 allowed by 50% res 8.75+ 40% comm 6.6]

Total Parking Provided 32

Electric Vehicle Charging:

EV Ready 5 [10% of 45 required spaces]

EV Capable 11 [25% per CalGreen of 45 required spaces]

Motorcycle Parking:

Required 2 [1 per 20 parking spaces required]

Provided 2

Bicycle Parking:

Residential 40 [2 per dwelling: 40 located in bike room Guest 4 [1 per 5 dwellings × 20 dwellings] short term

Commercial 8 [1 per 1,000 sf × 7,818 sf] 6 short term 75%, 2 long term 25% in bike rom

Total 52

Accessible Dwelling Units:

Provided

Required Per CBC 1102A.3.2 the story of the unit served by the building elevator is considered a

ground floor and primary entry floor and must comply with subsections 1-3]
Primary entry level of all units provided with powder room and kitchen all rooms and

Storage

1,404

Food

Prep

1.186

 X_{Γ}

Instructiona

Services

√2,158

spaces on an accessible route.

Construction Type + Occupancy:

Type VB Occupancy M, R-2, S-2

of Stories: 3
Sprinklered: Y

Yes, NFPA 13 Throughout

BROAD STREET MIXED USE

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Storage

1.015

Level 1 Program

Office

Retail

.

SITE CONTEXT

The project property is a corner lot located at 2800 Broad Street between Mutsuhito Avenue and Lawrence Drive within the city of San Luis Obispo, and contains approximately 27,198 square feet (.62 acres) of land area. The lot is framed by Broad St. to the West, Lawrence Drive to the North, and neighboring parcels East and South. The easterly parcel contains a residential planned unit development, Villa Rosa, which is buffered by a drive aisle with parking. The southerly parcel contains the San Luis Obispo Guild Hall and its deep parking lot abutting the property.

Existing Development

The lot is presently developed with a single-story building, fencing, and unpaved parking areas. The single story 3,060 square foot building was originally constructed in 1953 (per SLO County records) and does not bear character defining features which would demonstrate a need for its preservation. The balance of the site is a mixture of gravel and concrete in various stages of quality and disrepair. There are no formally designated on site parking spaces. The existing property frontage of concrete curb, gutter, and sidewalk along with the driveway approach from Lawrence Drive do not meet current City of San Luis Obispo Engineering Standards and will be subject to replacement to current standards and those standards outlined in the South Broad Street Area Plan (SBSAP).

Natural Features

As an underutilized but fully developed site, the only remaining natural feature is the street tree associated with the property in the public right-of-way along Broad Street. The lot slopes up from Broad Street, parallel to the incline of Lawrence Drive (approx. 9-ft overall). The property lies completely outside of the closest flood zone.

Zoning and Land Use

The parcel is zoned both C-R-SF Retail Commercial with a Special Focus Area Overlay and C-S-SF Service Commercial with a Special Focus Area Overlay. This designation is shared by the southerly neighbors as well as the parcels across Lawrence Drive to the north. The adjoining parcel to the east (occupied by Villa Rosa) is zoned R-3-PD Medium-High Density Residential. The South Broad Street Area Plan that governs this special focus area overlay zone provides unique opportunities for development of mixed-use buildings and promotes housing.















BROAD STREET MIXED USE

BRACKET ARCHITECTURE OFFICE

PROJECT DESIGN

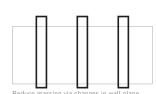
The South Broad Street Area Plan describes the project area as 'a neighborhood in transition.' The architectural fabric surrounding the project site is a patchwork quilt of architectural styles and programmatic functions, with adjacent properties hosting single story single family homes, civic gathering halls, retail or industrial uses. 2800 Broad Street is among the first of projects affronting this section of Broad St. to provide higher density mixed-use functions, part of a forward thinking effort by the City to to enhance the contemporary urban character of South Broad St. with new residential living and commerical opportunities.

Massing and Site Accessibility

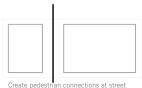
The architectural form of this project takes its lead from the topography of the site and it's role as a transitional building along the Broad St. corridor, one of the most heavily traveled thoroughfares in the City. The building presents itself firmly along Broad St. following the form based codes [SBSAP 4.5] that recognize the urban qualities of Broad St. Formal design decisions are included to orient and enhance pedestrian movement to and between adjacent uses on the site [SBSAP 5.3H].



The undulating roof lines follow the terrain slope of Broad St. and Lawrence Dr. and



A slight plan rotation transposes the



Inset storefron

loosely recall the regional peaks, while acting in continuity to unify the residences as one neighborhood. The simple from finds its highest point reinforcing the corner of Broad St. and Lawrence Dr.

into three smaller vertical bars with planar setbacks [SBSAP 5.3] to provide visual relief in the project befitting of San Luis Obispo's modest architectural scale, with multiple dwellings consisting of 2-4 units arrayed vertically with upper levels along the primary frontage.

private living spaces above grade from the street level public functions, emphasizing the corner retail. The design provides a high degree of transparency and porosity at the street level promoting public sight lines and a sense of welcome, with a gradual setback intended slow sidewalk travel and encourage meandering into the commercial spaces.

Pedestrian connectivity between the sidewalk and building uses is further achieved by an open pass-through from the Broad St. sidewalk to the interior parking area, and a private resident entry on the quieter entry street, Lawrence Dr.





Broad St.

2800 Broad

Guild Hall

(above) Block 7 Ele vation Diagram

Villa Rosa 2800 Broad

(left) Block 7 Diagram with 2m contour intervals



Visual Character

This area of the City was originally developed 'with small houses with simple designs, railroad worker's housing' [SBSAP]. Roof forms and materials were simple, and through repetition a unique visual identity was established. The concept for 2800 Broad St. is to develop a building that identifies with the areas history while looking forward in scale, function, and amenities, reflecting a Broad Street Village Contemporary language appropriate for mixed-use projects [SBSAP 4.6].



SBAP 4.6 Multiple Family building reference

The proposed material in the housing component is simple in color and texture [SBSAP 5.4], reflecting the modest worker housing typology of the areas past, while providing unique moments in patterning and window articulation to distinguish residences through contemporary expression. The SBSAP provides an example style for multiple family building. There is an intentional shift in the material language at the street level that responds to a desire for a richer material palette in both color and texture along public touch points, one that identifies the street level independent from the residences and encourages engagement.



35Ai 4.0 Multiple I allilly bullully

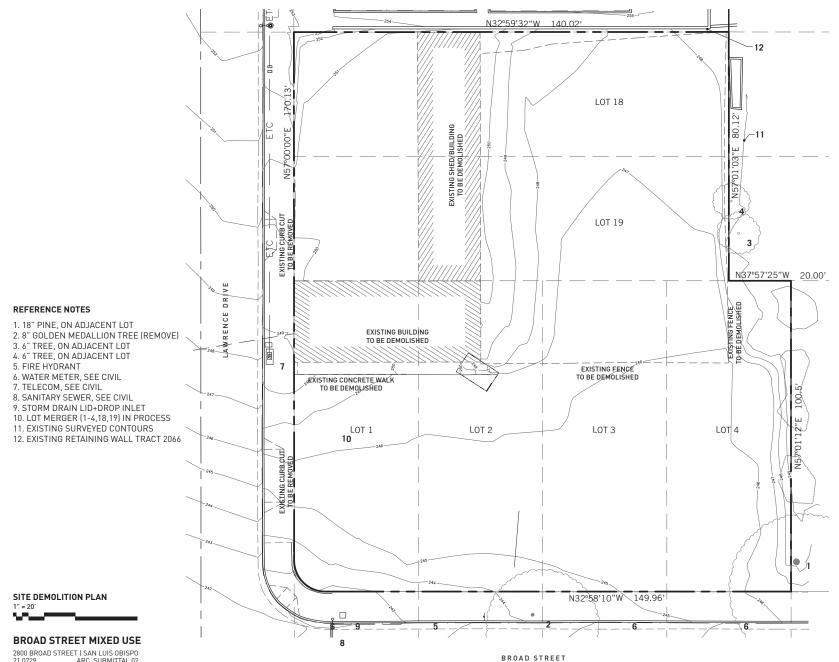
SILE

The project offers the first segment of "woonerf" or village court [SBSAP 2.6], a new living street paralleling Broad St. that provides a path where pedestrians and bicyclists have the same priority as motorists. The path is distinguished by a change in paving material alerting the user that it is not a typical street.

Lawrence Drive is described as an Entry Street. The pertinent qualities of an Entry Street as identified in the SBSAP include commercial uses on the ground level with residential above, and an overwall 60-ft width, with each side include a 10-12' drive lane, 8' parallel parking, and a 10' sidewalk.

The property recycling and solid waste collection area is located entirely indoors to minimize visual impact from the public along the street, the new woonerf, and surrounding residences.





ACCESSIBLE ROUTE

REFERENCE NOTES

- 1. EXISTING RETAINING WALL AND FENCE
- 2. ELECTRIC UTILITY TRANSFORMER
- 3. INDOOR RECYCLING AND SOLID WASTE
- 4. CHECK VALVE
- 5. FIRE RISER ROOM
- 6. EV READY (EVR) PARKING, (5) REQUIRED
- 7. NEW SITE RETAINING WALL, SEE CIVIL SHEETS
- 8. BICYCLE PARKING, (10) SHORT-TERM SPACES
- 9. FIRE HYDRANT
- 10. WATER METERS, COMMERCIAL AND DOMESTIC
- 11. PEDESTRIAN OPEN PASS-THROUGH
- 12. RESIDENT ENTRY
- 13. CITY STANDARD PEDESTRIAN STREETLIGHT
- 14. CITY STANDARD FULL-HEIGHT STREETLIGHT

PARKING ABBREVIATIONS

EVCS ELECTRIC VEHICLE CHARGING INSTALLED
EVR ELECTRIC VEHICLE READY
C COMPACT STALL SPACE
STANDARD STALLS NOT MARKED

PARKING LAYOUT COMPLIES WITH 2020 SLO CITY ENGINEERING STANDARDS (MIN. BELOW)

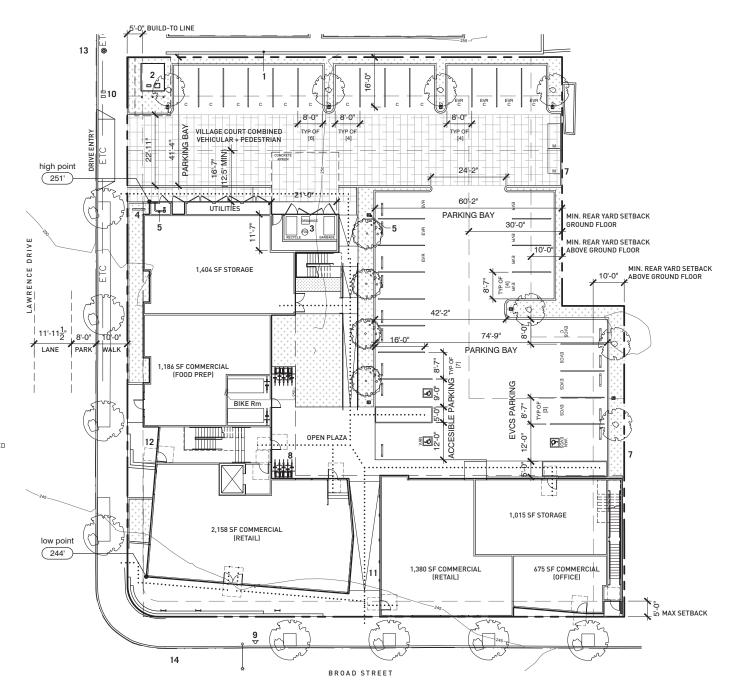
STD PARKING BAY WIDTH 90DEG DBL 60.1'
STANDARD STALL WIDTH 8.6'
STANDARD STALL LENGTH 18.4'
STANDARD STRIPING LENGTH 16'

COM. PARKING BAY WIDTH 90 DEG DBL 40.3'
COMPACT STALL WIDTH 8.0'
COMPACT STALL LENGTH 16'
COMPACT STRIPING LENGTH 13'

SITE PLAN 1" = 20'

BROAD STREET MIXED USE

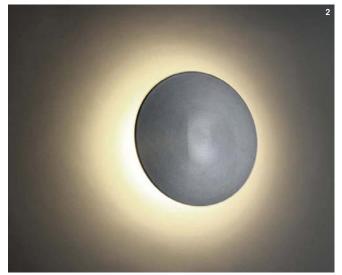
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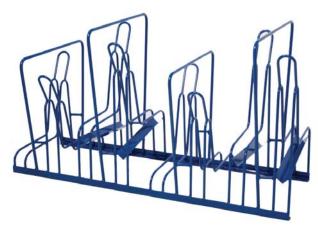












LEGEND

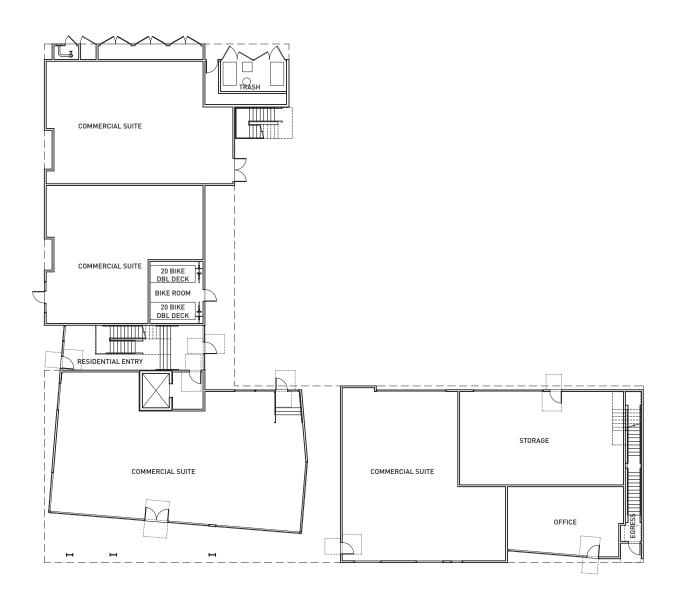
- Wall Mount Downlighting, Night-Sky Compliant, by Kichler 11251AZT30 Wall | Ceiling Mount Accent Light, Night-Sky Compliant, by Modern Forms WS-W60610
- Post Top Pedestrian Light, by Nebulite TP325
 Bicycle Rack, by Peak Single Sided 4 Slot (Exterior Location)
 Permeable Paver, by Unilock Eco Line
 Bicycle Rack, by Peak Double Decker (Interior Location)

SITE + BUILDING FURNISHINGS

BROAD STREET MIXED USE

BRACKET ARCHITECTURE OFFICE

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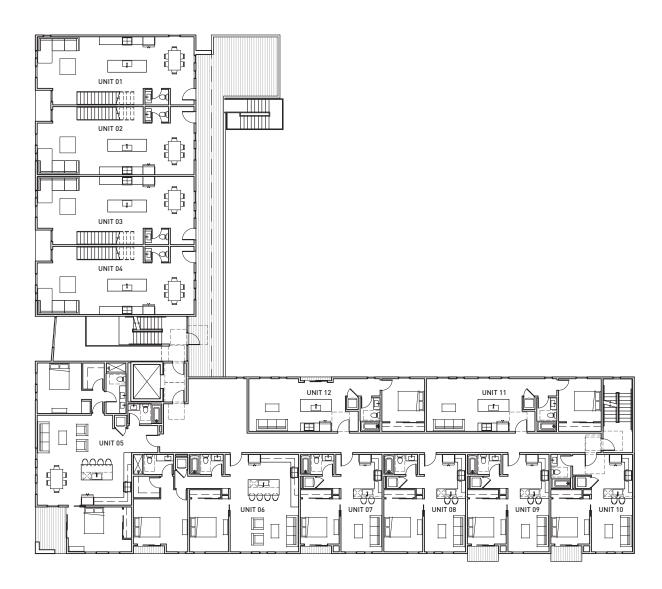


FIRST FLOOR PLAN



BROAD STREET MIXED USE

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UNIT COUNT + TYPE:
(4) TWO-BEDROOM TWO-STORY TOWNHOMES
(4) TWO-BEDROOM FLATS
(12) ONE-BEDROOM FLATS
(20) DWELLING UNITS TOTAL

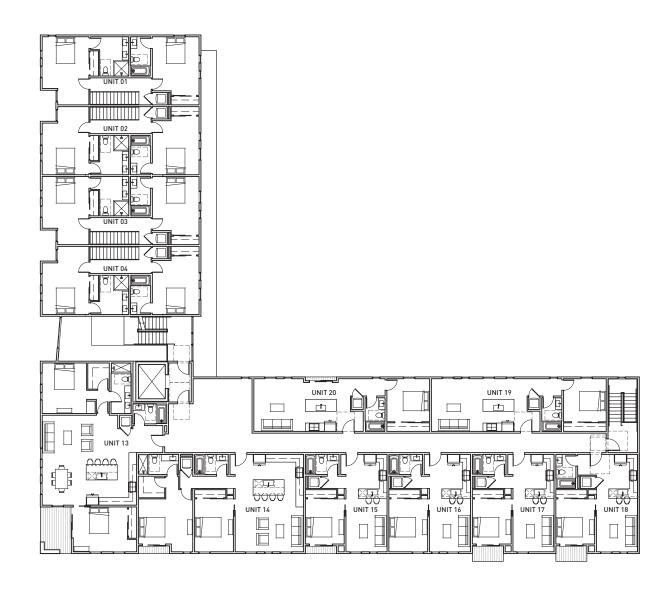
SECOND FLOOR PLAN

1" = 16'

BROAD STREET MIXED USE

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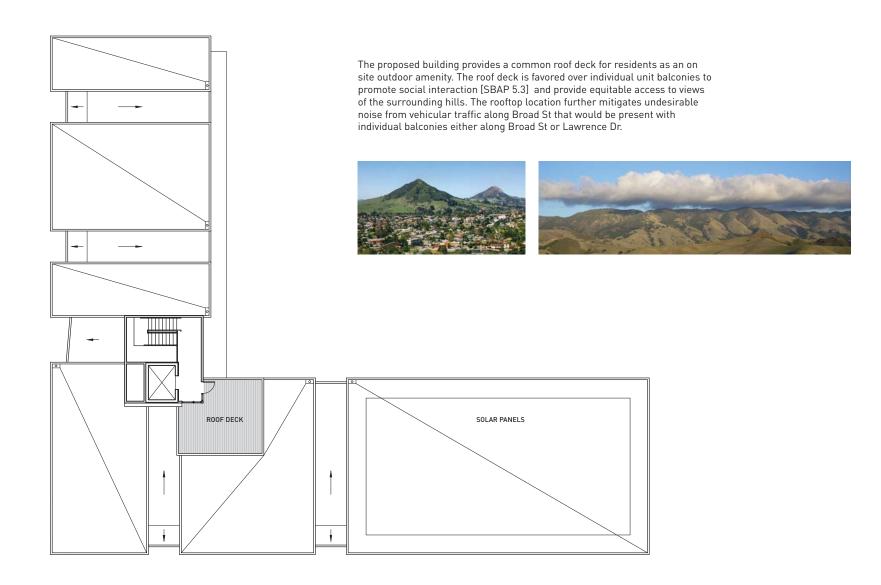
12



THIRD FLOOR PLAN 1" = 16'

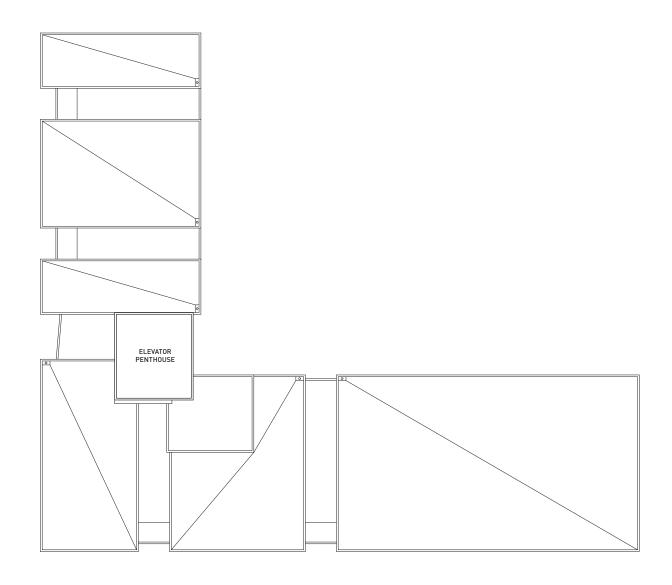
BROAD STREET MIXED USE

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ROOF DECK PLAN

1" = 16'

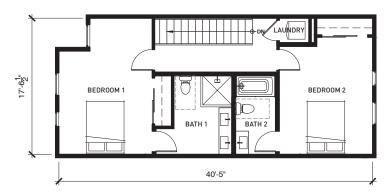


UPPER ROOF PLAN

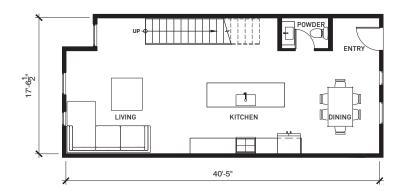
1" = 16'

BROAD STREET MIXED USE

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TYPE T [TOWNHOME] 692 sf SECOND FLOOR



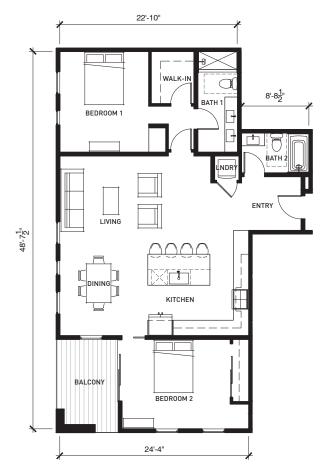
TYPE T [TOWNHOME] 692 sf FIRST FLOOR

RESIDENTIAL UNIT PLANS



BROAD STREET MIXED USE

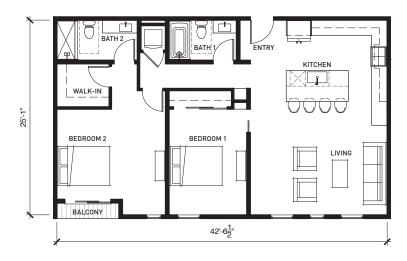
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TYPE B1 [2 BED] 1162 sf + 89 sf BALCONY

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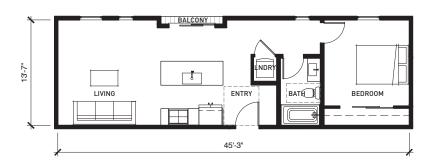
16



TYPE B2 [2 BED] 1047 sf + 16 sf BALCONY

RESIDENTIAL UNIT PLANS

BROAD STREET MIXED USE

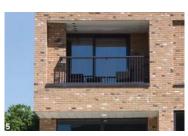


TYPE A1 [1 BED] 606 sf + 8 sf BALCONY



TYPE A2 [1 BED] 504 sf + 16 sf BALCONY











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- Merlex Stucco Finish Fine Sand Texture P-100 Glacier White

- Cambia Thermally Modified Poplar Cladding
 Cast-in-place concrete natural pigment
 Anodized aluminum storefront Dark Anodized
 Painted steel + sheet metal Tricorn Black SW6258
 Box Rib Cladding TL-1222 Metal Sales- Slate Grey (W66)



MATERIALS + COLORS



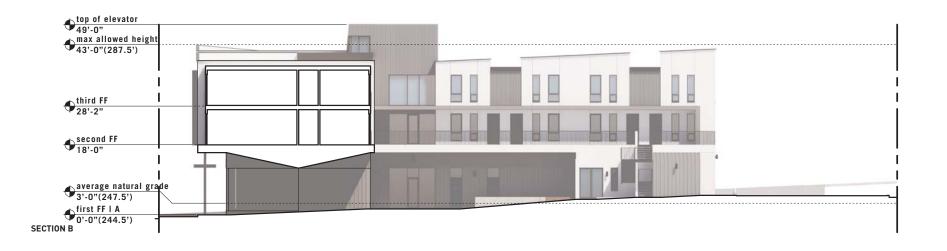
BROAD STREET MIXED USE

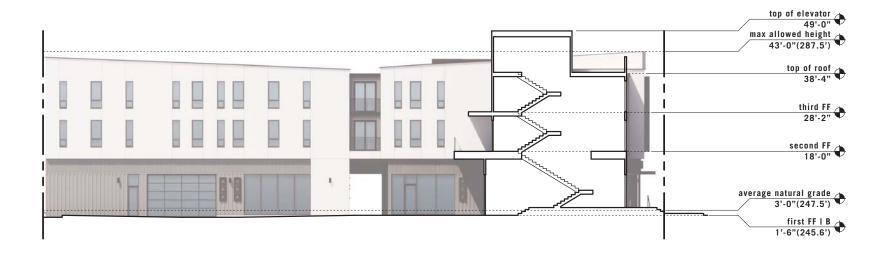
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BROAD STREET MIXED USE

BRACKET ARCHITECTURE OFFICE





SECTION A

SITE SECTIONS | A+B

1" = 16'

BROAD STREET MIXED USE

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NORTH ELEVATION ALONG LAWRENCE DR



WEST ELEVATION ALONG BROAD STREET



BROAD STREET ELEVATION DETAIL

BROAD STREET MIXED USE



LAWRENCE DRIVE ELEVATION DETAIL



RESIDENTIAL ENTRY ALONG LAWRENCE STREET



VIEW SOUTH AT BROAD + LAWRENCE



PEDESTRIAN CONNECTION FROM BROAD



PEDESTRIAN CONNECTION FROM BROAD



OUTDOOR AMENITY + RESIDENTIAL ENTRY



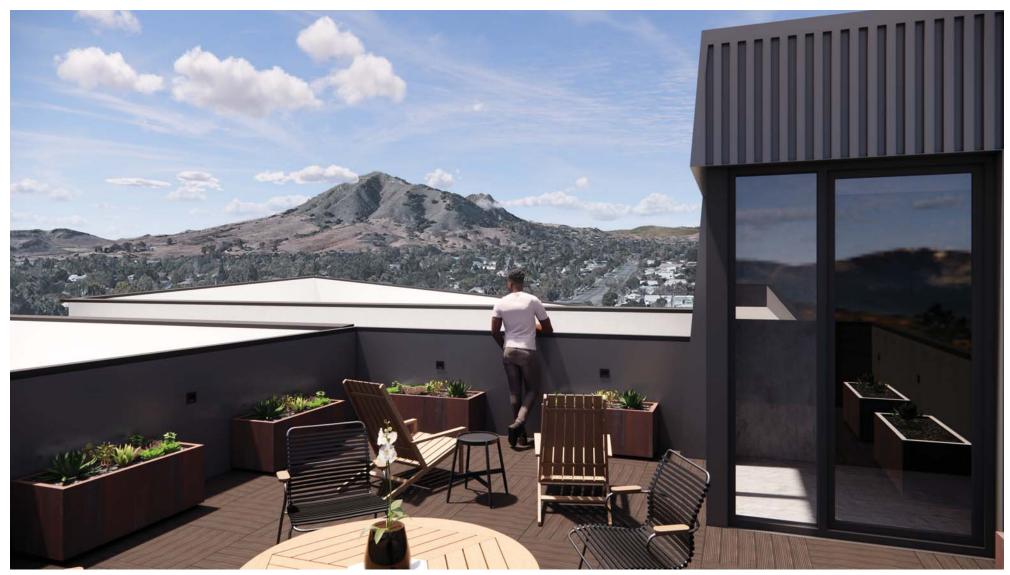
OUTDOOR AMENITY + PEDESTRIAN CONNECTION



VIEW ALONG TOWNHOME ENTRIES



MOTOR COURT + OUTDOOR AMENITY



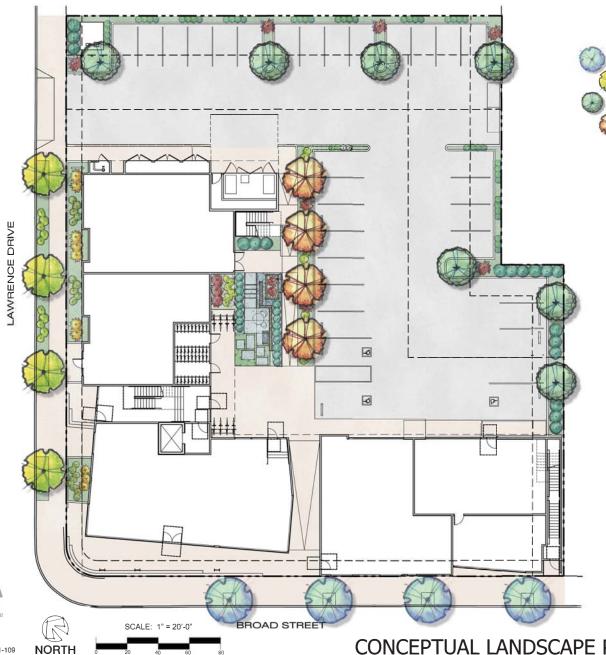
ROOF DECK VIEW OF MADONNA PEAK + SLO TOWN

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21.0729 ARC SUBMITTAL 02

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BROAD + LAWRENCE AT DUSK



Plant List - San Luis Obispo, CA (Sunset Zone 15)

ABBREV SIZE BOTANICAL NAME / COMMON NAME

STREET TREES - Per City of San Luis Obisgo "Street Tree-Major Streets" List (Standard Drwg. 8020).

BROAD TREES - Planted in tree wells

QUE PAL 36"B QUERCUS PALUSTRIS / PIN OAK

Deciduous (2.5" to 3.5" to Deciduous (2.5" to 3.5" trunk dia.) M LAWRENCE DRIVE - Planted in parkways
TRI LAU 24"B TRISTANIA LAURINA / WATER GUM PARKING LOT SHADE TREES
ARB 'M' 24'B ARBUTUS 'MARINA' / 'MARINA' ARBUTUS
GEI PAR 24'B GEIJERA PARVIFOLIA / AUSTRALIAN WILLOW FLOWERING ACCENT TREES
CER OCC 24'B CERCIS OCCIDENTALIS / WESTERN REDBUD
LAG IND T 24'B LAGERSTROEMIA INDICA TUSCARORA / CRAPE MYRTLE (CORAL PINK) ARC DEN 'HM' ARC DEN 'HM' 5G RHA CAL 'EC' 5G ARCTOSTAPHYLOS DENSIFLORA 'HOWARD MCMINN' / MANZANITA RHAMNUS CALIFORNICA 'EVE CASE' / COFFEEBERRY ACCENT SHRUBS AGA 'BG' 5G COR AUS 'RS' 5G AGAVE 'BLUE GLOW' / BLUE GLOW AGAVE CORDYLINE AUSTRALIS 'RED SENSATION'/NEW ZEALAND CABBAGE TREE YUCCA GLORIOSA 'WALBRISTAR' / BRIGHT STAR YUCCA
 GRASSES AND GRASS-LIKE PERENNIALS

 BOU GRA 'BA'
 1G
 BOUTELOUA GRACIUS BLONDE AMBITION / BLUE GRAMMA GRASS

 FES MAI
 1G
 FESTUCA MAIREI / ATLAS FESCUE

 LOM LON B'
 1G
 LOMANDRA LONGIFOLIA BREEZE / DWARF MAT RUSH
 MEDIUM-HEIGHT SHRUBS
BER THU 'CB' 5G BE
BOU 'R' 5G BO BERBERIS THUNBERGII 'CHERRY BOMB'/CHERRY BOMB BARBERRY BOUGAINVILLEA 'ROSENKA' / BOUGAINVILLEA LOMANDRA LONGIFOLIA 'PLATINUM BEAUTY' / VAR. DWARF MAT RUSH LOM LON 'PB' SAL MIC 'HL' SALVIA MICROPHYLLA 'HOT LIPS' / HOT LIPS SAGE SHADE SHRUBS COP 'TS' COP 'TS' 5G LOR CHI 5G NAN DOM 'GS' 5G COPROSMA 'TEOLIII A SUNRISE' / TEOLIII A SUNRISE COPROSMA LOROPETALUM CHINENSIS 'PURPLE MAJESTY' / RED FRINGE FLOWER
NANDINA DOMESTICA 'GULF STREAM'/GULF STREAM HEAVENLY BAMBOO SHADE GROUND COVER ASPIDISTRA ELATIOR / CAST-IRON PLANT COPROSMA KIRKII 'VERDE VISTA'/ CREEPING COPROSMA 24" OC 36" OC **GROUND COVER** 36" OC 60" OC 36" OC ALOE STRIATA / CORAL ALOE MYOPORUM PARVIFOLIUM 'PUTAH CREEK' / TRAILING MYOPORUM PENSTEMON 'MARGARITA BOP' / MARGARITA BOP PENSTEMON SALVIA 'DARA'S CHOICE / DARA'S CHOICE SAGE ZAUSCHNERIA CALIFORNICA 'GHOSTLY RED. / CALIFORNIA FLICHSIA

*WUCOLS RATING

MULCH ALL GROUND COVER AND PLANTER AREAS AS DESIGNATED ON PLAN.

1. 3" MINIMUM LAYER WALK-ON' BARK.
2. 3" MINIMUM LAYER COBBLESTONE: NOIYO COBBLE 1-1/2".

VL = VERY LOW WATER USE

L DW WATER USE

M = MEDIUM WATER USE H = HIGH WATER USE G = GALLONS

B = BOX OC = ON-CENTER SPACING

STD = STANDARD FORMS

L.B. = LOW BRANCHING FORM

DRB = DEEP ROOT BARRIER, AS REQUIRED PER PLANTING DETAIL SHEET.

*WATER-USE EVALUATION OF PLANT MATERIALS
WATER USE OF PROPOSED PLANTS HAVE BEEN EVALUATED USING THE "WATER USE CLASSIFICATION
OF LANDSCAPE SPECIES" (WUCCLS IV, UNIVERSITY OF CALIFORNIA COOPERATIVE EXTENSION.)

BROAD STREET MIXED USE

2800 BROAD STREET SAN LUIS OBISPO, CA 93401

ARC SUBMITTAL 02

CONCEPTUAL LANDSCAPE PLAN

Jim Burrows Landscape Architecture 979 Osos Street, Suite B6 San Luis Obispo, CA 93401 (805) 439-3209 • www.jbla-slo.com

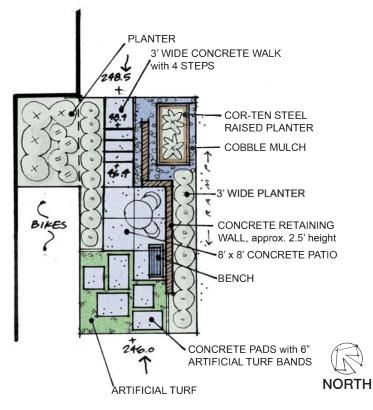
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Concrete Pads with Cobble Between



Cor-ten Steel Planters



CENTRAL PATIO and GARDEN





Water Conservation Notes

The following water conservation techniques shall be employed in this Project
Planting and irrigation design shall conform to the "Model Water Efficient"

- Landscape Ordinance" (MWELO).

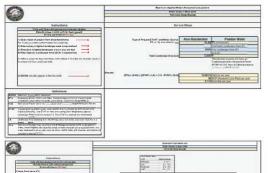
 Water conserving plants, defined as "Low" in the "Water Use Classification of Landscape Species" (WUCOLS IV, University of California Cooperative Extension), shall be utilized in 95% of the total planting area.
- Irrigation system shall be separated into distinct hydrozones based on plant material types, exposure and orientation.
- Soil amendments and mulch shall be utilized to improve water holding capacity of soil
- Automatic irrigation system shall utilize "Smart Controller" technology with water budgeting feature to adjust water application based on soil moisture and/or local weather data.
- Recommendations shall be given for annual irrigation schedule at project completion.
- Lawn is not used.

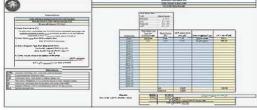
Statement of Water Conserving Irrigation Design

The following principles of irrigation design are utilized to conserve water and improve the efficiency of the irrigation system:

- All irrigation shall be drip or dripline emitters. No overhead spray heads will be used.
- Irrigation hydrozone application shall be adjusted according to water needs and weather.
- · Irrigation system master valve shall be used.
- · Irrigation system "Smart controller" with water budgeting feature shall be used.
- · Irrigation system flow sensor shall be used.
- Irrigation system of rain shut-off device connected to irrigation controller shall be used.

To maintain the irrigation efficiency intended in the design, the irrigation system shall be tested and maintained on a monthly basis by maintenance staff.





WATER EFFICIENT LANDSCAPE ORDINANCE (WELO) WORKSHEET

BROAD STREET MIXED USE

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ARC SUBMITTAL 02

SHADE SHRUBS



SHADE GROUNDCOVERS





ACCENT SHRUBS





STREET TREES Broad Street



PARKING LOT SHADE TREES



FLOWERING ACCENT TREES





SCREEN SHRUBS

GRASSES and GRASS-LIKE PERENNIALS





MEDIUM HEIGHT SHRUBS







WATER USE*

GROUNDCOVERS



Design Notes

Proposed Street Trees WATER USE*

QUERCUS PALUSTRIS JERCUS PALUS INIS

Height 2-07: Spread: 30-40*. Conical, round crown. Resistant to oak root fungus. Attracts birds. Fast growth (2-3* per year). Branch strength: strong. Good parking lot tree (root intrusion: low). Deciduous. Attractive lobed leave, bronze, red or gold Fall color. Litter issue: a coms

TRISTANIOPSIS I ALIRINA WATER GUM Height: 20-30'; Spread: 15-20' (10' tall and 5' wide at 10 years). Dense, oval crown, more upright than Sow growth. Attractive, pealing red bark, formal appearance. Good parking lot tree (root intrusion: low) Evergreen. Clusters of small yellow flowers in spring to summer. Medium water use.

Proposed Parking Lot Shade Trees

ARBUTUS 'MARINA' MARINA MADRONE MARINA MADRONE
Height: 40-50'; Spread: 30-40'; erect or spreading canopy.
Moderate growth rate (1-2' per year). Branch strength: strong. Drought tolerant.
Good parking lot tree (root intrusion: low). Resists oak root rot. Evergreen. Flowers: showy pink (year-round). Bark red brown, exfoliating or smooth.

EJJERA PARVIFOLIA

AUSTRALIAN WILLOW
Height: 30', Spread: 20'; erect or weeping with low canopy.
Fast growth (2-3' per year). Branch strength: medium. Good parking lot tree (root intrusion: low)
Evergreen. Foliage narrow, medium green, consistent color. Flowers: white, Spring or Fall.

Proposed Flowering Accent Trees

WATER USE* CERCIS OCCIDENTALIS WESTERN REDBUD Height: 10-20; Spread: 10-20; low branching, vase-shaped form.

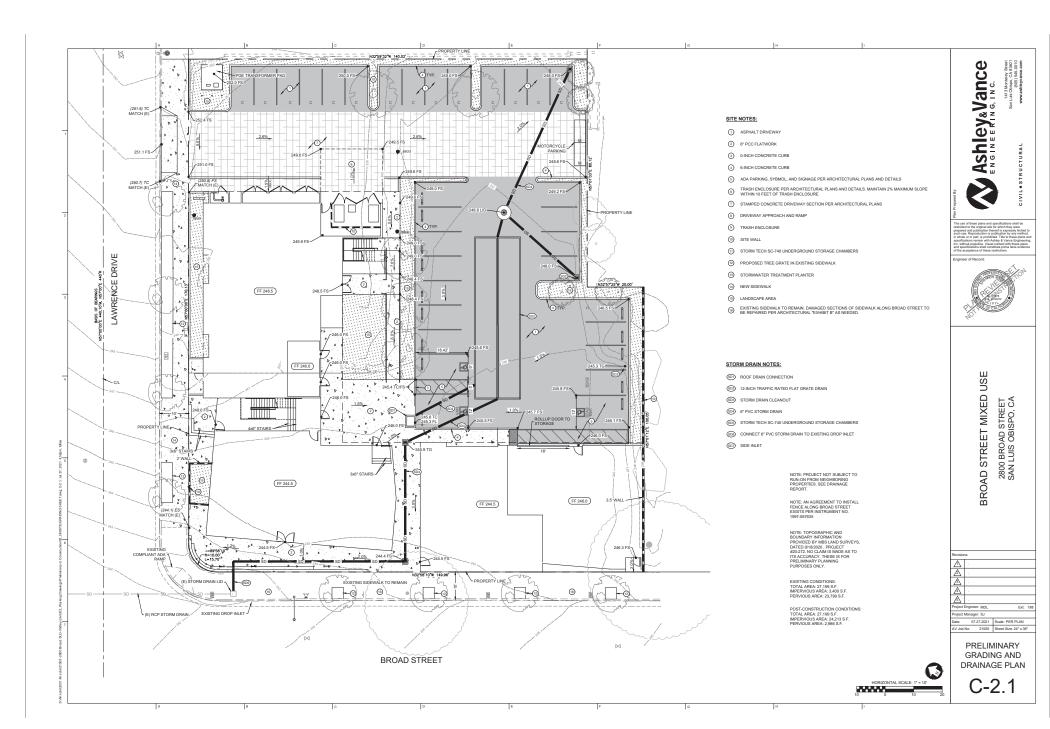
Medium growth rate. Drought tolerant, resists oak root rot, good parking lot tree (root intrusion: low) Deciduous. Flowers: brilliant magenta flowers (spring) Fall color: yellow to red. California native.

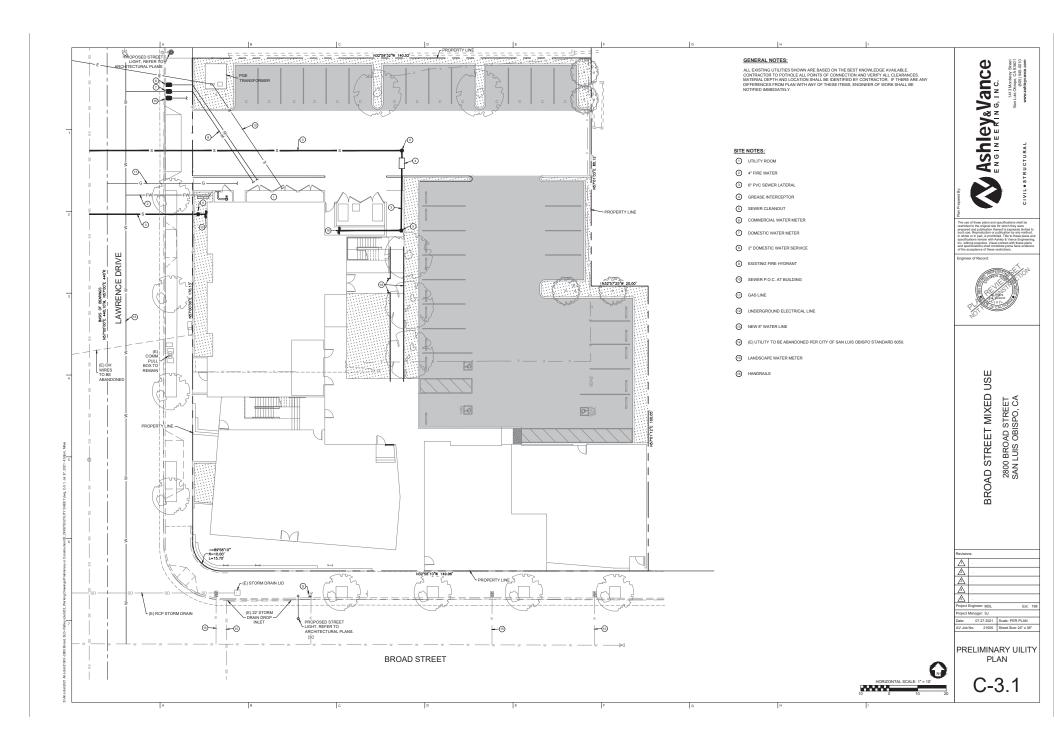
LAGERSTROEMIA 'TUSCARORA'
TUSCARORA HYBRID CRAPE MYRTLE
Height: 18-25'; Spread: 15-18'; upright form. Drought tolerant. Height: 16-23, Speadur Us-re, Spright norm: Drodgin lorerant: Moderate growth rate (27 per year). Powdery mildew resistant. Good parking lot tree (root intrusion: low), Branch strength: medium. Deciduous. Flowers: 4"clusters of showy prink or rose flowers (summer). Litter issue: dry fruit.

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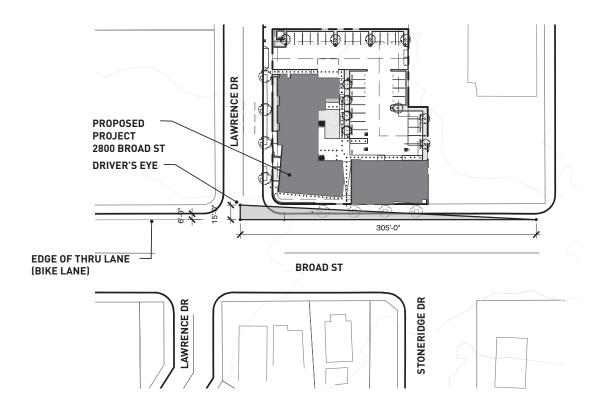


EXHIBIT A TRANSPORTATION SIGHTLINES DIAGRAM 1/64" = 1'-0"

BROAD STREET MIXED USE

BRACKET ARCHITECTURE OFFICE

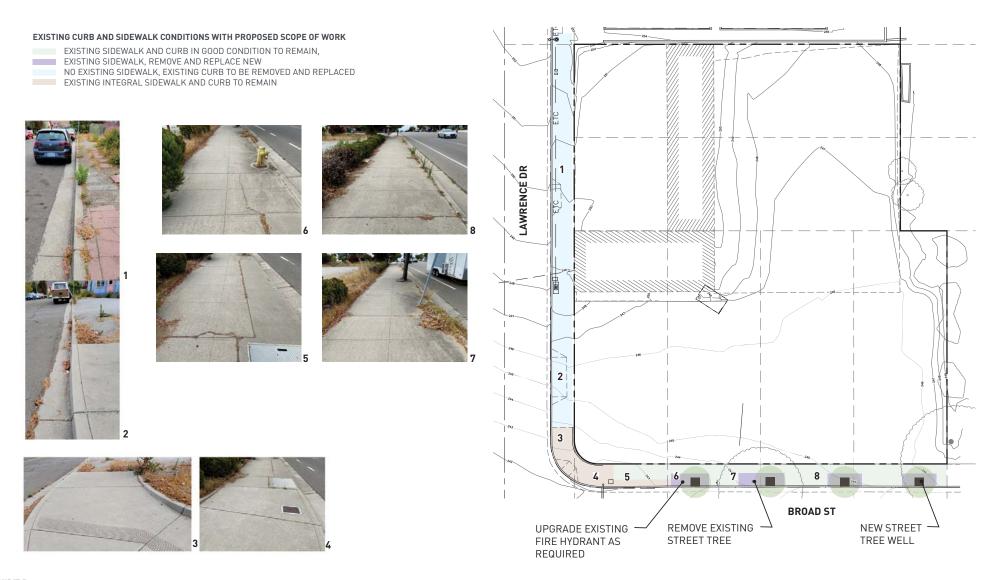


EXHIBIT B
SIDEWALK INSTALLATION AND RESTORATION

BROAD STREET MIXED USE

BRACKET ARCHITECTURE OFFICE