Attachment 6 - Page 1 of 21



611 Veterans Blvd., #212 Redwood City, CA 94063

t (650) 344-1244 f (650) 344-1241

hrh@hrharchitecture.com www.hrharchitecture.com

845 Maria Ln Sunnyvale, CA 94087

APN: 211-50-025

OWNER:

535 Almer Road, #4 Burlingame, CA 94010

Phone: (650) 343-2550

Sheet Title

COVER SHEET

Job No

Drawn msh,hh,hz Date 5-18-2015

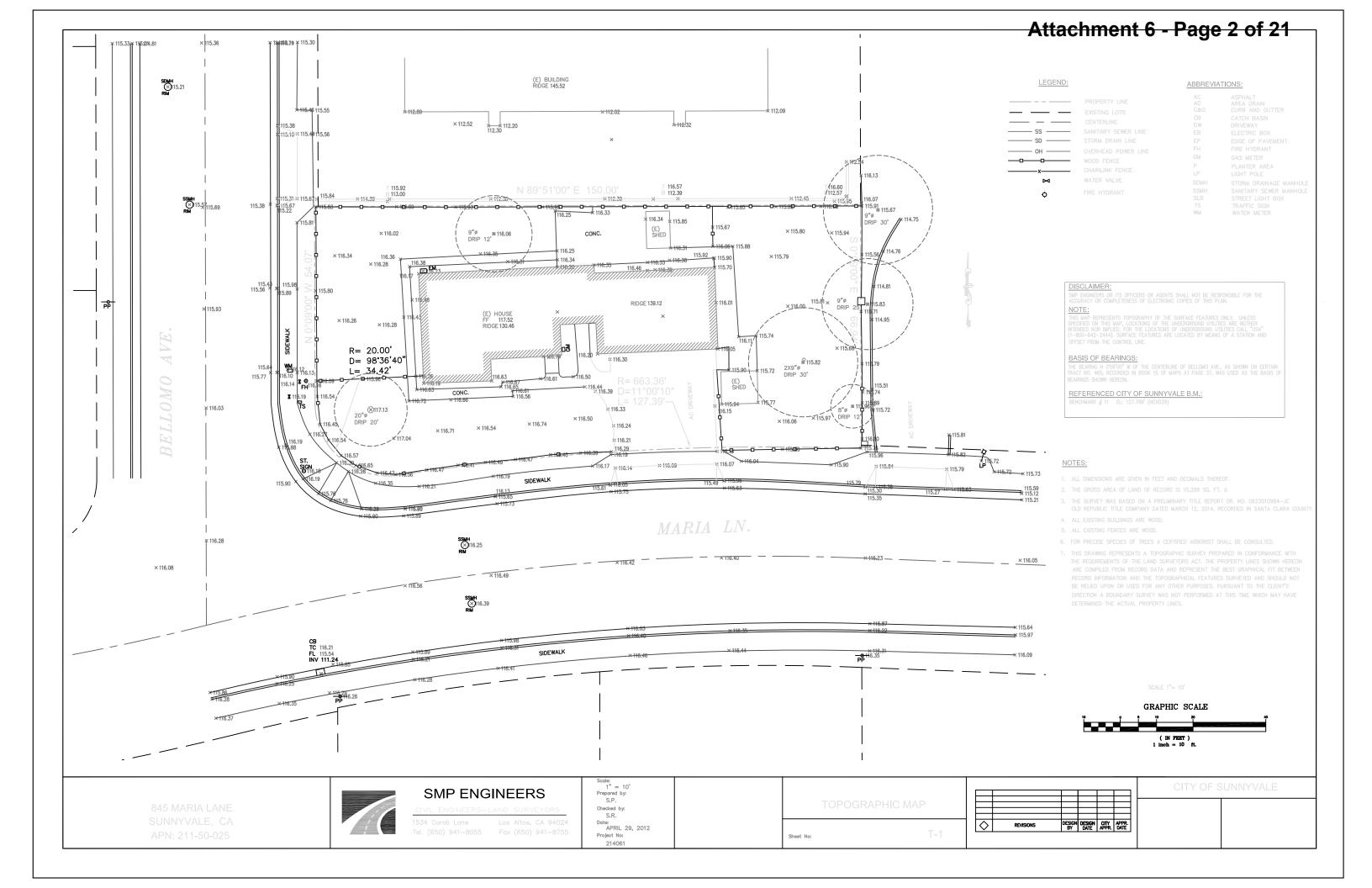
Revisions

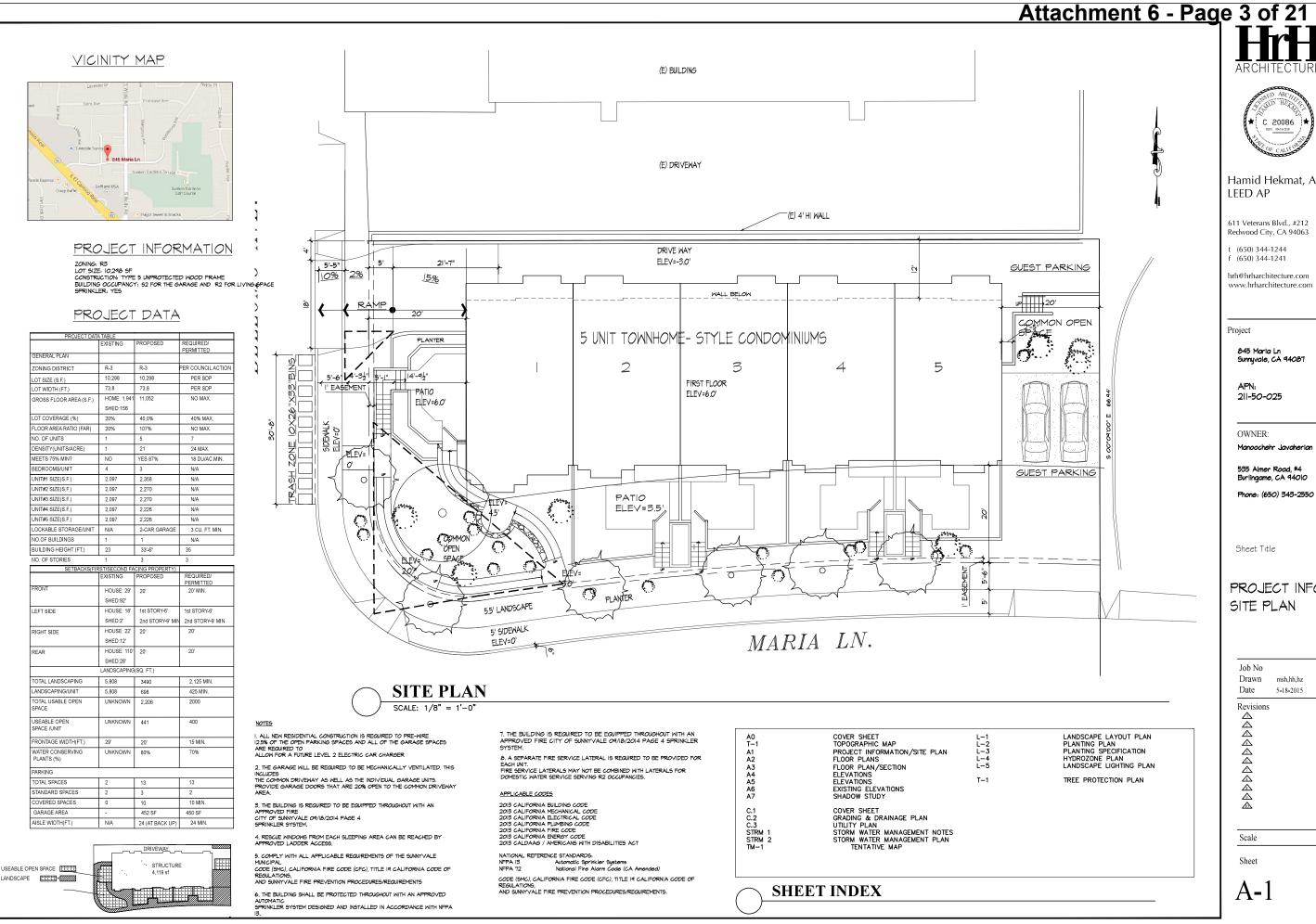
Scale

A-0

MARIA LANE CONDOMINIUMS SUNNYVALE, CALIFORNIA









Hamid Hekmat, AIA LEED AP

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Project

845 Maria Ln Sunnyvale, CA 94087

211-50-025

OWNER

535 Almer Road, #4 Burlingame, CA 94010

Sheet Title

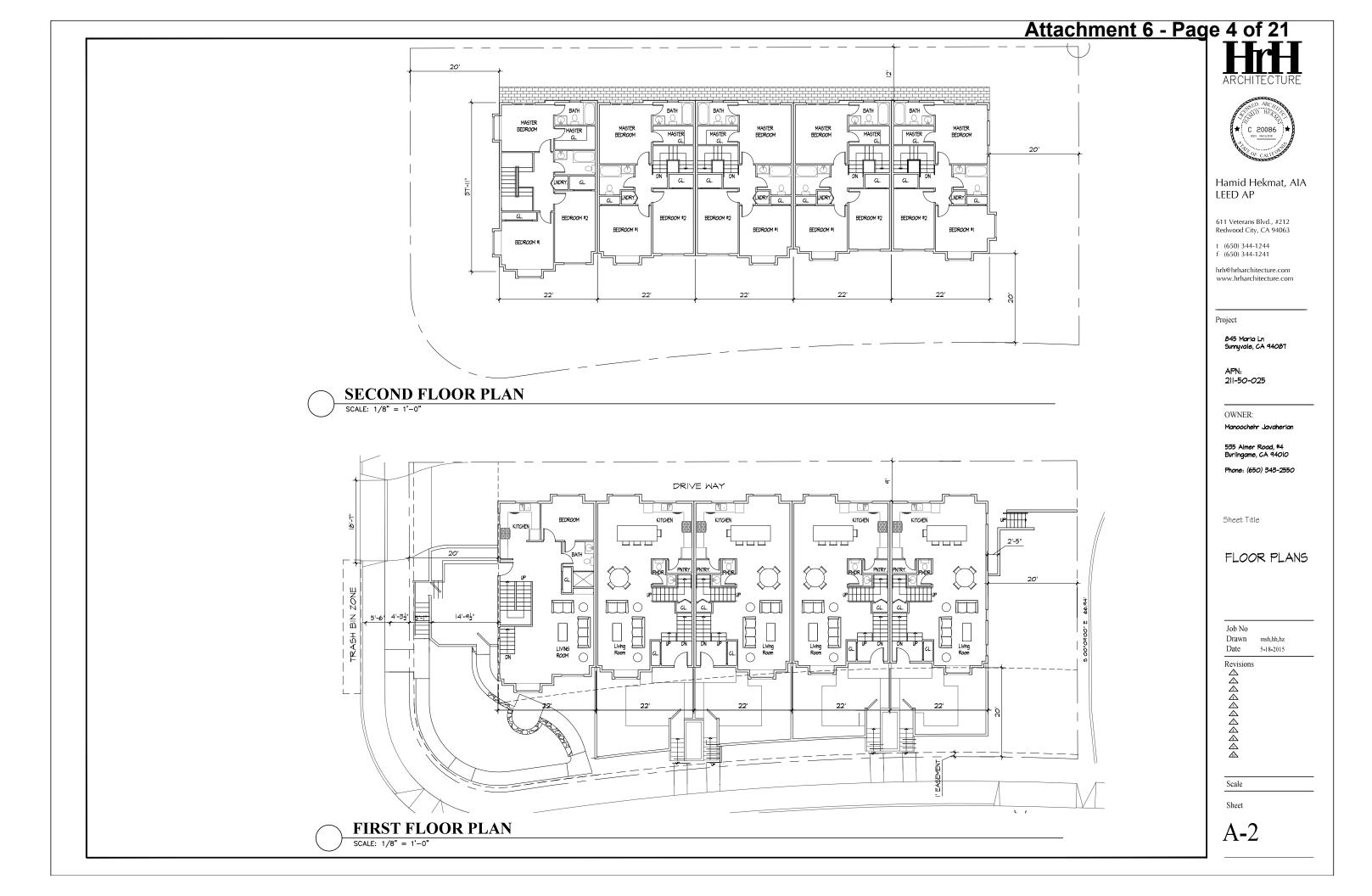
PROJECT INFO/ SITE PLAN

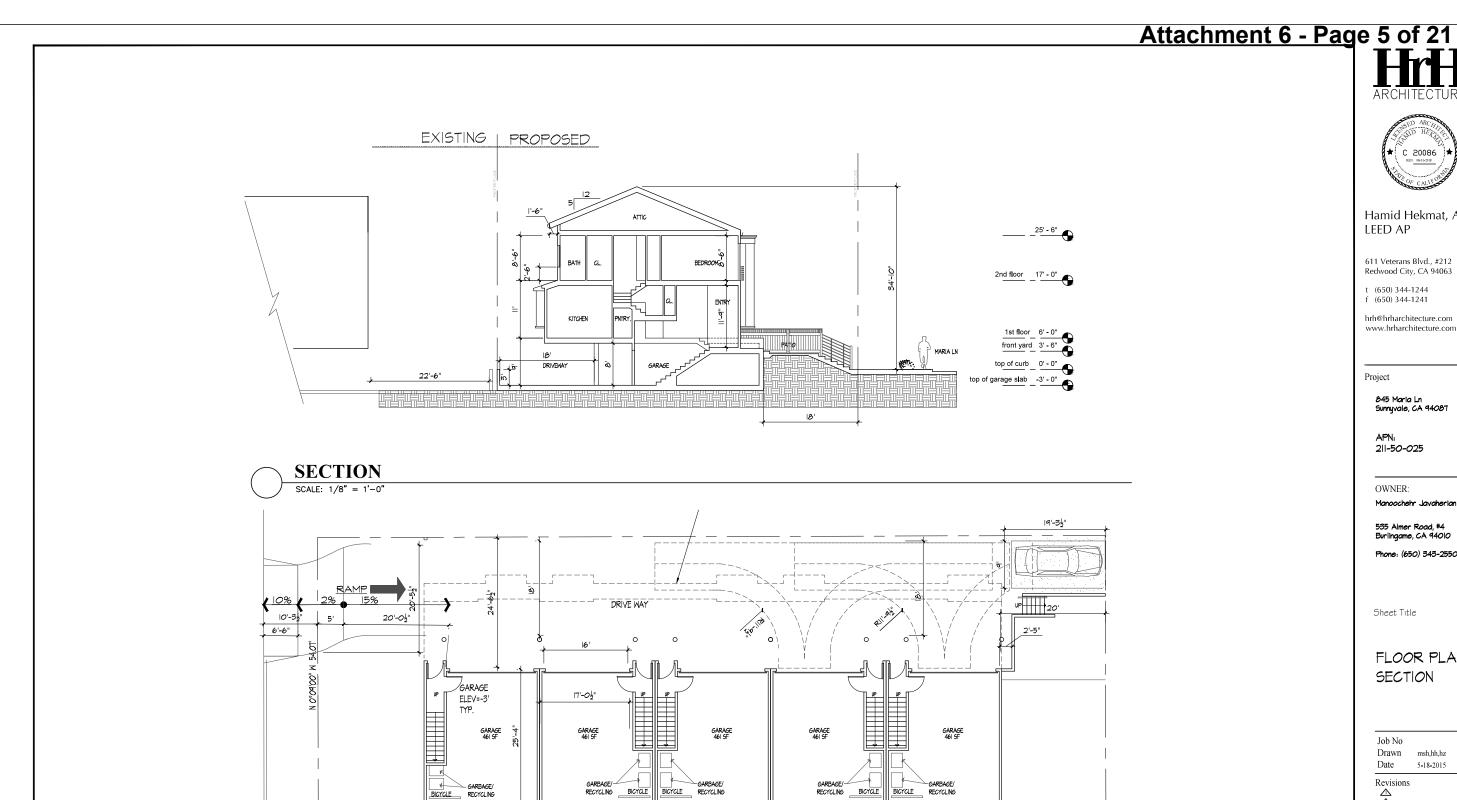
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Scale

Sheet

A-1





GARAGE FLOOR PLAN

SCALE: 1/8" = 1'-0"



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Project

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535 Almer Road, #4 Burlingame, CA 94010

Phone: (650) 343-2550

Sheet Title

Job No

FLOOR PLAN/ SECTION

Drawn msh,hh,hz Date 5-18-2015 Revisions

Scale

A-3





Hamid Hekmat, AIA LEED AP

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Project

845 Maria Ln Sunnyvale, CA 94087

211-50-025

OWNER:

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Phone: (650) 343-2550

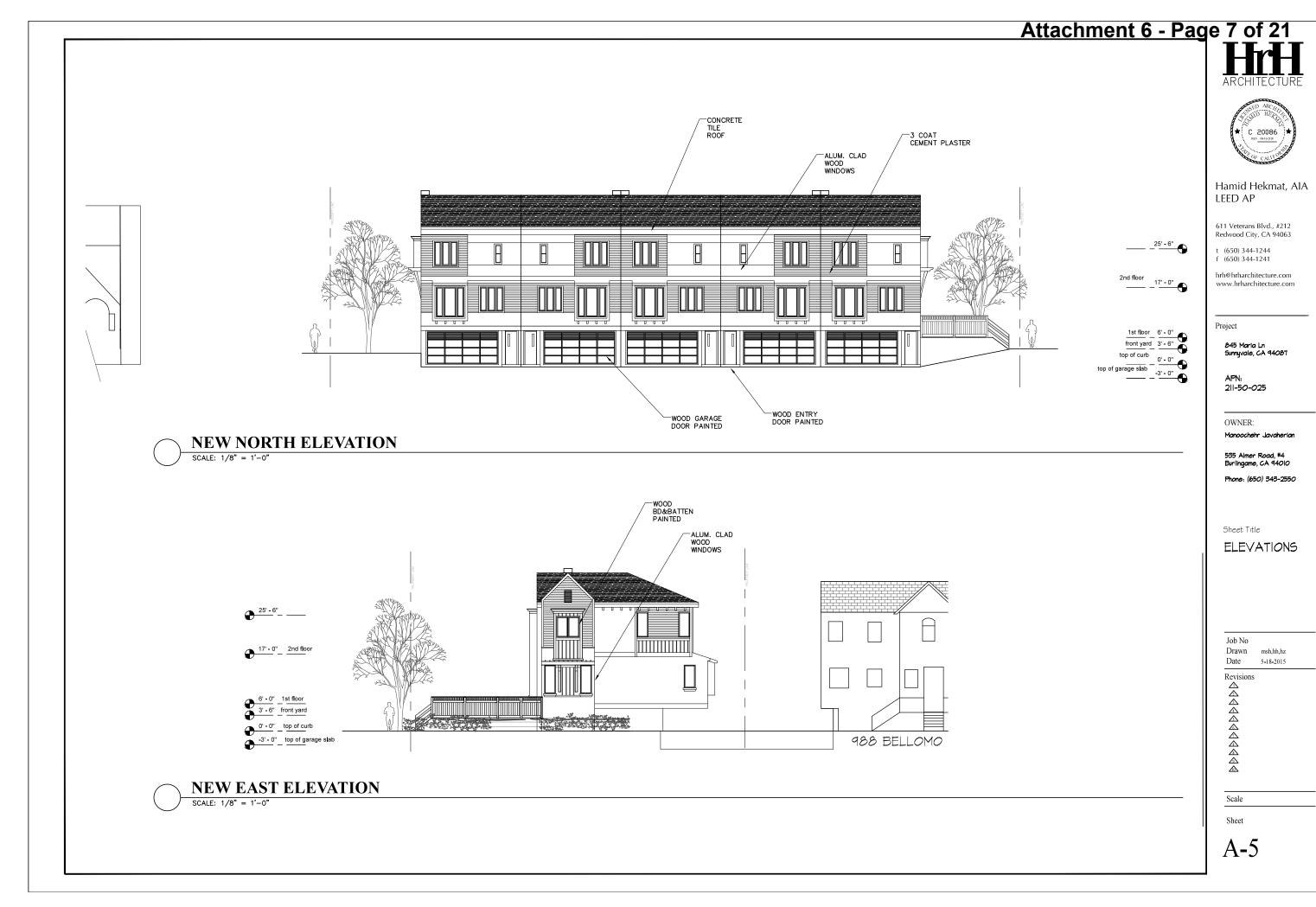
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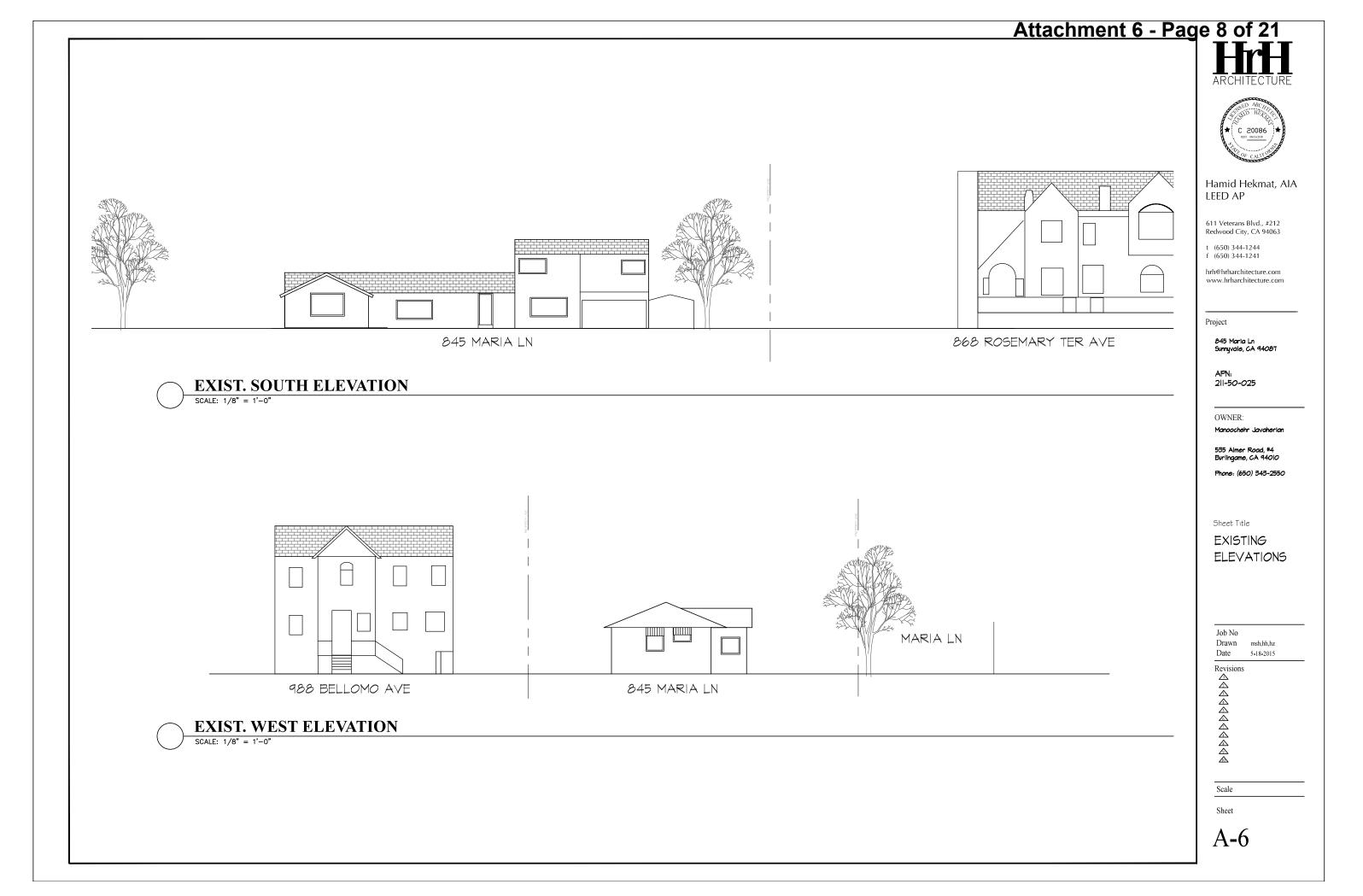
ELEVATIONS

Job No Drawn msh,hh,hz Date 5-18-2015 Revisions

Scale

A-4





Attachment 6 - Page 9 of 21

ARCHITECTURE



Hamid Hekmat, AIA LEED AP

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Project

845 Maria Ln Sunnyvale, CA 94087

APN: 211-50-025

OWNER:

535 Almer Road, #4 Burlingame, CA 94010

Phone: (650) 343-2550

Sheet Title

SHADOW STUDY

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Drawn msh,hh,hz Date 12-16-2014

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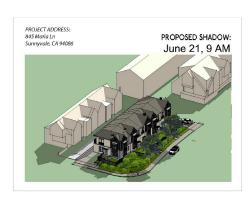
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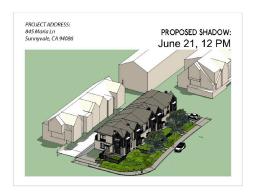




12 PM









PROJECT ADDRESS: 845 Mana Ln Surryywale, CA 94086 PROPOSED SHADOW: June 21, 5 PM

5 PM







ABBREVIATIONS LIP LIP OF GUTTER LOW POINT MON MONAMENT (N) MONAMENT (N)

LEGEND

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SSC0

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DESCRIPTION

PROPERTY LINE

FILL AREA LIMIT CUT AREA LIMIT

CONTOUR

WATER LINE STORM DRAIN PIPE (SOLID)

SUBDRAIN PIPE (PERFORATED)

OVERHEAD UTILITIES WITH POLE

JOINT TRENCH (LINDERGROLIND)

SANITARY SEWER CLEANOUT

SANITARY SEWER MANHOLE

STREET LIGHT VAULT

WATER METER

TREE WITH TRUNK 6' WOODEN FENCE

SPOT ELEVATION

EARTHSWALE

AREA DRAIN/ INLET

OVERLAND RELEASE PATH

(E) TREE TO BE REMOVE

DOWN-SPOUT

POP-UP FMITTER

1% MIN. FROM PROPERTY LINE TO SWALE

ROOF DOWN-SPOUT, CONNECTED TO STORM DRAIN SYSTEM

PROPOSED

EXISTING

OH e,T,TV

⊠ SLV

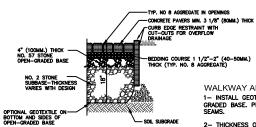
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PRELIMINARY GRADING AND DRAINAGE PLANS

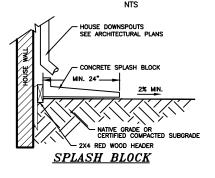
ONE (1) LOT SUBDIVISION FOR CONDOMINIUM PURPOSES FIVE (5) CONDOMINIUM UNITS ON A COMMON LOT) 845 MARIA LANE, SUNNYVALE, CA

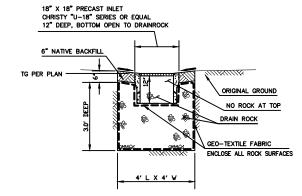


WALKWAY AND PATIO NOTES: 1- INSTALL GEOTEXTILE TO ENCLOSE OPEN GRADED BASE. PROVIDE MIN. 8" OVERLAP AT SEAMS.

2— THICKNESS OF NO. 2 STONE SHALL BE MIN. 9", OR AS DETERMINED BY SOILS ENGINEER TO BEAR DRIVEWAY LOADS WHILE SATURATED.

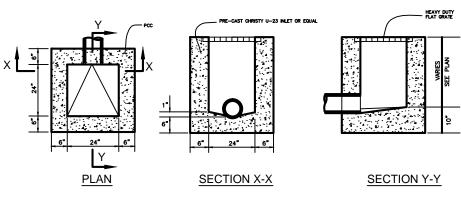
TYPICAL PERMEABLE INTERLOCKING CONCRETE PAVERS PATIO AND DRIVEWAY DETAIL (SELF-TREATING AREAS)





DRYWELL DETAIL (INFILTRATION DEVICE)

ELEVATION VIEW- NTS



STORM DRAIN INLET

PRELIMINARY PLANS NOT APPROVED FOR CONSTRUCTION



LOCATION MAP

SHEET INDEX:

COVER SHEET/ NOTES/ DETAILS CONCEPTUAL GRADING AND DRAINAGE PLAN CONCEPTUAL UTILITY PLAN

BASIS OF ELEVATIONS:

REFERENCED CITY OF SUNNYVALE B.M# 66, EL: 64.198':
BRASS DISC IN TOP OF CURB AT THE SOUTHWEST CURB RETURN, INTERSECTION OF N. SUNNYVALE AVE. AND E. ARQUES AVE., ALSO BEING THE NORTH END OF WEST HEADWALL AT THE N. SUNNYVALE OVERPASS CROSSING CENTRAL EXPRESSWAY.

BASIS OF BEARINGS:

THE BEARING N 7413'40" W BETWEEN FOUND MONUMENTS ON CALIFORNIA AVE., AS SHOWN ON THAT CERTAIN PARCEL MAP, RECORDED IN BOOK 350 OF MAPS AT PAGE 48, SANTA CLARA COUNTY RECORDS, WAS USED AS THE BASIS OF BEARINGS SHOWN ON THIS MAP

DRAINAGE NOTES

- Surface water shall be directed away from all buildings into drainage swales, gutters, storm drain inlets and drainage systems.
- All roof downspouts shall discharge to concrete splash pads draining away from the foundation. See architectural plans for roof downspout location
- On site storm drain lines shall consist of solid PVC-SCH 40 minimum or better Use PVC SCH80 for pipes running under driveway. 4. Storm drain inlets shall be precast concrete. Christy U23 type or equivalent

IMPERVIOUS AREA BREAKDOWN TABLE

LOCATION/ DESCRIPTION	AREA (SQFT)	AREA (ACRES)	%	MATERIAL
EX HOUSE AND 2 EX. SHEDS FOOTPRINT	2,095	0.05	20.8%	ROOF
EX AC DRIVEWAY	750	0.02	7.4%	AC
EX PATIO, PORCH, WALKWAYS, LANDINGS	1,062	0.02	10.5%	CONCRETE
TOTAL IMPERVIOUS	3,907	0.09	38.7%	IMPERVIOUS
LANDSCAPE/ GROUND	6,176	0.14	61.3%	GROUND
TOTAL PERVIOUS	6,176	0.14	61.3%	PERVIOUS
TOTAL SITE	10,083	0.23	100.0%	
PROPOSED REPVIOUS (IMPERVIOUS AREA T	TABLE			
PROPOSED PERVIOUS/IMPERVIOUS AREA T LOCATION/ DESCRIPTION	AREA	AREA (ACRES)	%	MATERIAL
LOCATION/ DESCRIPTION	AREA (SQFT)	(ACRES)		MATERIAL ROOF
	AREA	(ACRES) 0.10	41.3%	
LOCATION/ DESCRIPTION BUILDING ROOF, 5 UNITS	AREA (SQFT) 4,165	(ACRES) 0.10 0.00	41.3% 1.4%	ROOF
LOCATION/ DESCRIPTION BUILDING ROOF, 5 UNITS PORCH, STEPS, LANDING, 5 UNITS	AREA (SQFT) 4,165 144	0.10 0.00 0.10	41.3% 1.4% 42.7%	ROOF CONCRETE
LOCATION/ DESCRIPTION BUILDING ROOF, 5 UNITS PORCH, STEPS, LANDING, 5 UNITS TOTAL IMPERVIOUS	AREA (SQFT) 4,165 144 4,309	0.10 0.00 0.10 0.00	41.3% 1.4% 42.7% 20.6%	ROOF CONCRETE IMPERVIOUS
LOCATION/ DESCRIPTION BUILDING ROOF, 5 UNITS PORCH, STEPS, LANDING, 5 UNITS TOTAL IMPERVIOUS COMMON DRIVEWAY, STALLS, LOT A	AREA (SQFT) 4,165 144 4,309 2,074	0.10 0.00 0.10 0.05 0.05	41.3% 1.4% 42.7% 20.6% 36.7%	ROOF CONCRETE IMPERVIOUS PERVIOUS CON
LOCATION/ DESCRIPTION BUILDING ROOF, 5 UNITS PORCH, STEPS, LANDING, 5 UNITS TOTAL IMPERVIOUS COMMON DRIVEWAY, STALLS, LOT A LANDSCAPE/ GROUND	AREA (SQFT) 4,165 144 4,309 2,074 3,700	0.10 0.00 0.10 0.05 0.05 0.08 0.13	41.3% 1.4% 42.7% 20.6% 36.7%	ROOF CONCRETE IMPERVIOUS PERVIOUS CON GROUND PERVIOUS
LOCATION/ DESCRIPTION BUILDING ROOF, 5 UNITS PORCH, STEPS, LANDING, 5 UNITS TOTAL IMPERVIOUS COMMON DRIVEWAY, STALLS, LOT A LANDSCAPE/ GROUND TOTAL PERVIOUS	AREA (SQFT) 4,165 144 4,309 2,074 3,700 5,774	0.10 0.00 0.10 0.05 0.08 0.13 0.23	41.3% 1.4% 42.7% 20.6% 36.7% 57.3% 100.0%	ROOF CONCRETE IMPERVIOUS PERVIOUS CON GROUND PERVIOUS



ENGINEERS CIVIL ENGINEERS

OWNER/APPLICANT: 10 BARNESON LLC 535 ALMER RD #4 BURLINGAME CA 94010

PRELIMINARY GRADING AND DRAINAGE PLANS FIVE (5) CONDOMINIUM UNITS ON A COMMON LOT) APH: 211-50-025 845 MARIA LANE, SUNNYVALE, CA COVER SHEET

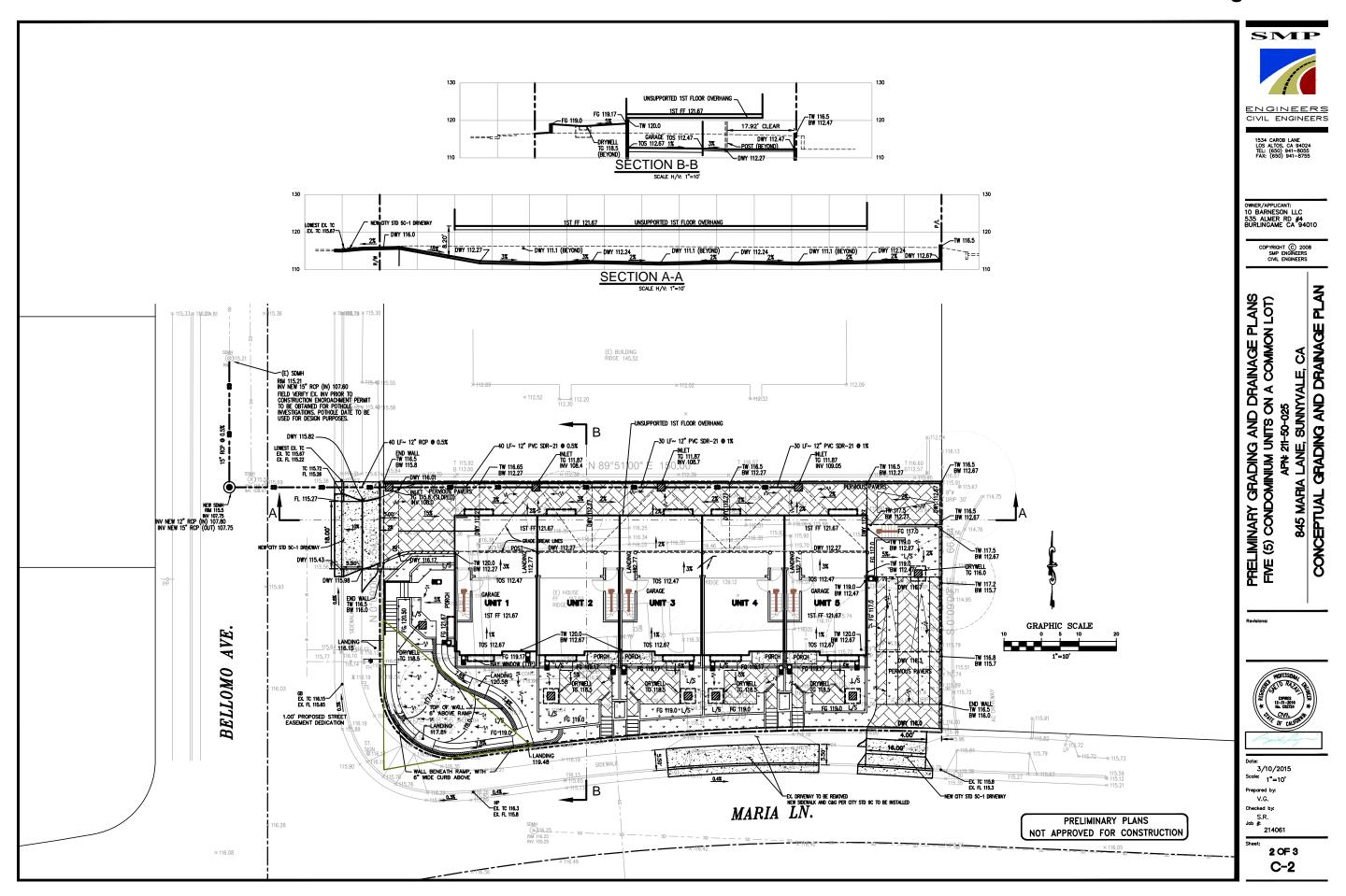


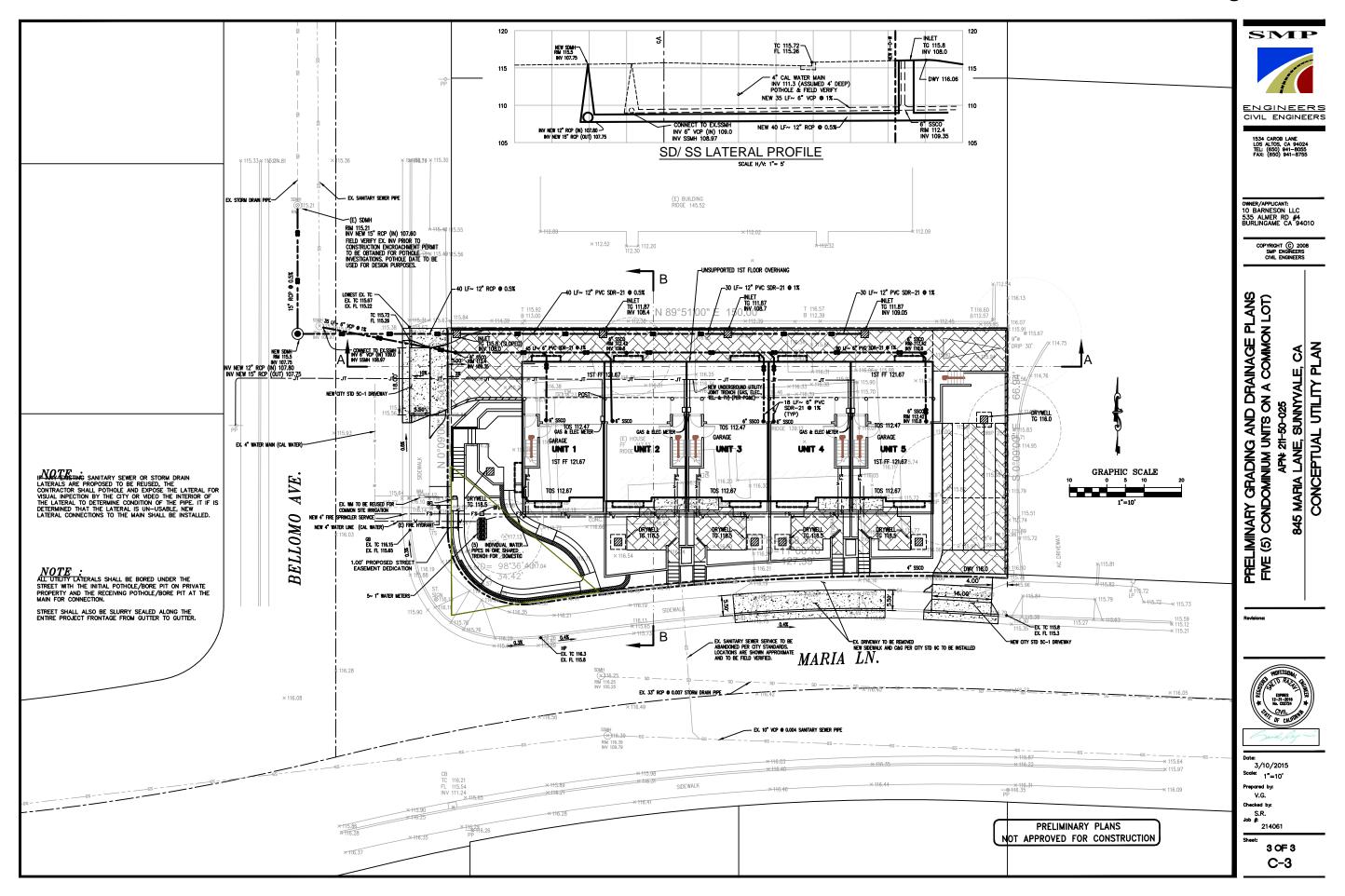
3/10/2015

V.G. ecked by:

214061

1 OF 3 C-1





ABBREVIATIONS DESCRIPTION LIP LIP OF GUTTER LOW POINT MANN MANNUMENT (N) POINT NEW DOOR ORGINAL GROUND PB PLAST PPP PLAST PROPERTY LIME PPP PLAST PPP PLAST STORM DRAIN STORM DRAIN STANDARD SS SANITARY SEWER SANITARY SEWER SANITARY SEWER MANHOLE STORM TOP OF CAUBA TOP OF GUAB PP TOP OF GUAB PP TOP OF GUAB PP TOP OF SANB PP TOP OF FAMAL TOP OF MALL TYPICAL TYPICAL THERED. LLAY PIPE VITRIFIED CLAY PIPE WHITE LINE STRIPE WALKWAY WATER METER WATER VALVE

LEGEND

DESCRIPTION

PROPERTY LINE

FILL AREA LIMI

CONTOUR

WATER LINE

GAS LINE

SANITARY SEWER PIPE SUBDRAIN PIPE (PERFORATED)

OVERHEAD UTILITIES WITH POLE

ELECTRIC LINE (UNDERGROUND)

JOINT TRENCH (UNDERGROUND)

SANITARY SEWER CLEANOUT

SURVEY CITY MONUMENT

FI FCTROLIFR

WATER METER

TREE WITH TRUNK

6' WOODEN FENCE

SPOT ELEVATION

FARTHSWALE

AREA DRAIN/ INLET

OVERLAND RELEASE PATH

(E) TREE TO BE REMOVE

DOWN-SPOUT

1% MIN. FROM PROPERTY LINE TO SWALE

ROOF DOWN-SPOUT, CONNECTED TO STORM DRAIN SYSTEM

STREET LIGHT VAULT

PROPOSED

OH e,T,TV

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EXISTING

OH e,T,TV

SLV

O SSCO

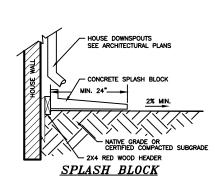
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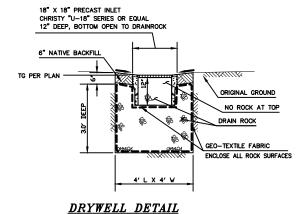
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STORMWATER MANAGEMENT PLANS

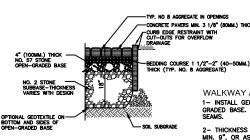
ONE (1) LOT SUBDIVISION FOR CONDOMINIUM PURPOSES FIVE (5) CONDOMINIUM UNITS ON A COMMON LOT) 845 MARIA LANE, SUNNYVALE, CA





(INFILTRATION DEVICE)

ELEVATION VIEW- NTS



WALKWAY AND PATIO NOTES: 1- INSTALL GEOTEXTILE TO ENCLOSE OPEN GRADED BASE. PROVIDE MIN. 8" OVERLAP AT SPAMS.

2— THICKNESS OF NO. 2 STONE SHALL BE MIN. 9", OR AS DETERMINED BY SOILS ENGINEER TO BEAR DRIVEWAY LOADS WHILE SATURATED.

TYPICAL PERMEABLE INTERLOCKING CONCRETE PAVERS PATIO AND DRIVEWAY DETAIL (SELF-TREATING AREAS)

Pervious Driveway Maintenance:

The maintenance activity schedule presented below is based on recommendations provided in the California Stormwater BMP Handbook—New and Redevelopment, provided in the California Stormwater BMP Hanabook-New und Nederland and the Interlocking Concrete Pavement Institute Manual (Second Edition).

The following maintenance activities should be performed on an ongoing basis:

a) Keep landscaped areas well maintained;b) Prevent soil being washed onto pavement;

The following maintenance activities should be performed 2-3 times per year:

a) Vacuum clean surface using commercially available sweeping machines at the following times:

- End of Winter (April)

Mid-Summer (July/August)
 After Autumn-leaf fall(November)

The following maintenance activities should be performed on as-needed (infrequent) basis, maximum 15–20 years:

a) If routine cleaning does not restore infiltration rates, then reconstruction of part of the whole of a previous surface may be required;
b) The surface area affected by any observed hydraulic failure should be lifted for inspection of the internal materials to identify the location and the extent of the blockage;
c) Surface materials should be lifted and replaced after brush cleaning. Geotextiles may need complete replacement;
d) Subsurface layers may need cleaning and replacing;
e) Removed silts may need to be disposed of as controlled weeds;
f) Repair ruts or deformations in povement exceeding ½—inch or 13 mm;
a) Replace broken paver units that impair the structural integrity of the surface

Replace broken paver units that impair the structural integrity of the surface;

PRELIMINARY PLANS NOT APPROVED FOR CONSTRUCTION



LOCATION MAP

SHEET INDEX:

COVER SHEET/ NOTES/ MEASURES STORMWATER MANAGEMENT PLAN

Compliance with NPDES Permit Provision C.3:

The San Francisco Bay Regional Water Quality Control Board (SFRWQCB) incorporated updated requirements into Santa Clara County's National Pollution Discharge Elimination System (NPDES) Permit in August 06. These updated stormwater quality control requirements are predominantly the category of new development discharge controls. The Permit requires that permanent, post—construction stormwater quality control measures be implemented as part of development

Updated stormwater quality control measures include:
— Source Control Measures

Beginning August 15, 2006, all projects creating or replacing 10,000 sq. ft. or more of impervious surface area must design and install a permanent post—construction stormwater treatment facility on the site. The system must be design and installed according to numeric sizing criteria.

All projects, regardless of size that create or replace impervious surface may be required to install stormwater quality controls to the maximum extent practicable.

Source Control Measures

Site Design Measures

TOTAL SITE (LOT A)

TOTAL IMPERVIOUS CHANGE (INCREASE)

Storm water Treatment Measures: NOT APPLICABLE

EXISTING PERVIOUS/ IMPERVIOUS AREA TABLE

LOCATION/ DESCRIPTION	AREA (SQFT)	AREA (ACRES)	%	MATERIAL
EX HOUSE AND 2 EX. SHEDS FOOTPRINT	2,095	0.05	20.8%	R∞F
EX AC DRIVEWAY	750	0.02	7.4%	AC
EX PATIO, PORCH, WALKWAYS, LANDINGS	1,062	0.02	10.5%	CONCRETE
TOTAL IMPERVIOUS	3,907	0.09	38.7%	IMPERVIOUS
LANDSCAPE/ GROUND	6,176	0.14	61.3%	GROUND
TOTAL PERVIOUS	6,176	0.14	61.3%	PERVIOUS
TOTAL SITE	10,083	0.23	100.0%	
PROPOSED PERVIOUS/ IMPERVIOUS AREA T	ABLE			
LOCATION/ DESCRIPTION	AREA (SQFT)	AREA (ACRES)	%	MATERIAL
BUILDING ROOF, 5 UNITS	4,165	0.10	41.3%	ROOF
PORCH, STEPS, LANDING, 5 UNITS	144	0.00	1.4%	CONCRETE
TOTAL IMPERVIOUS	4,309	0.10	42.7%	IMPERVIOUS
TO TAL TIVIF EN TIOUS	4,000			
COMMON DRIVEWAY, STALLS, LOT A	2,074	0.05	20.6%	PERMOUS CONC
				PERVIOUS CONC GROUND

	Description	Existing	sq. ft.	Proposed	Isq.	ft.
а	Impervious surface area (includes land covered by buildings, sheds, patios/covers, parking lots, streets, sidewalks, paved walkways and driveways)	3,907	sq. ft.	4,309	sq.	ft
b	Pervious Area (includes landscaping, pervious pavement, and natural buffer areas)	6,176	sq. ft.	5,774	sq.	ft
С	Total Project Area (a + b)	10,083	sq. ft.	10,083	sq.	ft
d	Percent Impervious (a + c)x100	39	%	43		%
е	Percent Pervious (b+ c) x 100	61	%	57		%
f	Impervious created or added			402	sq.	ft
g	Impervious area replaced			3,907	sq.	ft
h	Estimated area of land disturbed during construction (includes clearing, grading or excavating)			10,083	sq.	ft

10,083 0.23 100.0%

402 0.01 4.0% IMPERVIOUS





ENGINEERS CIVIL ENGINEERS

1534 CAROB LANE LOS ALTOS, CA 94024 TEL: (650) 941-8055 FAX: (650) 941-8755

OWNER/APPLICANT: 10 BARNESON LLC 535 ALMER RD #4 BURLINGAME CA 94010

PLANS (LOT)

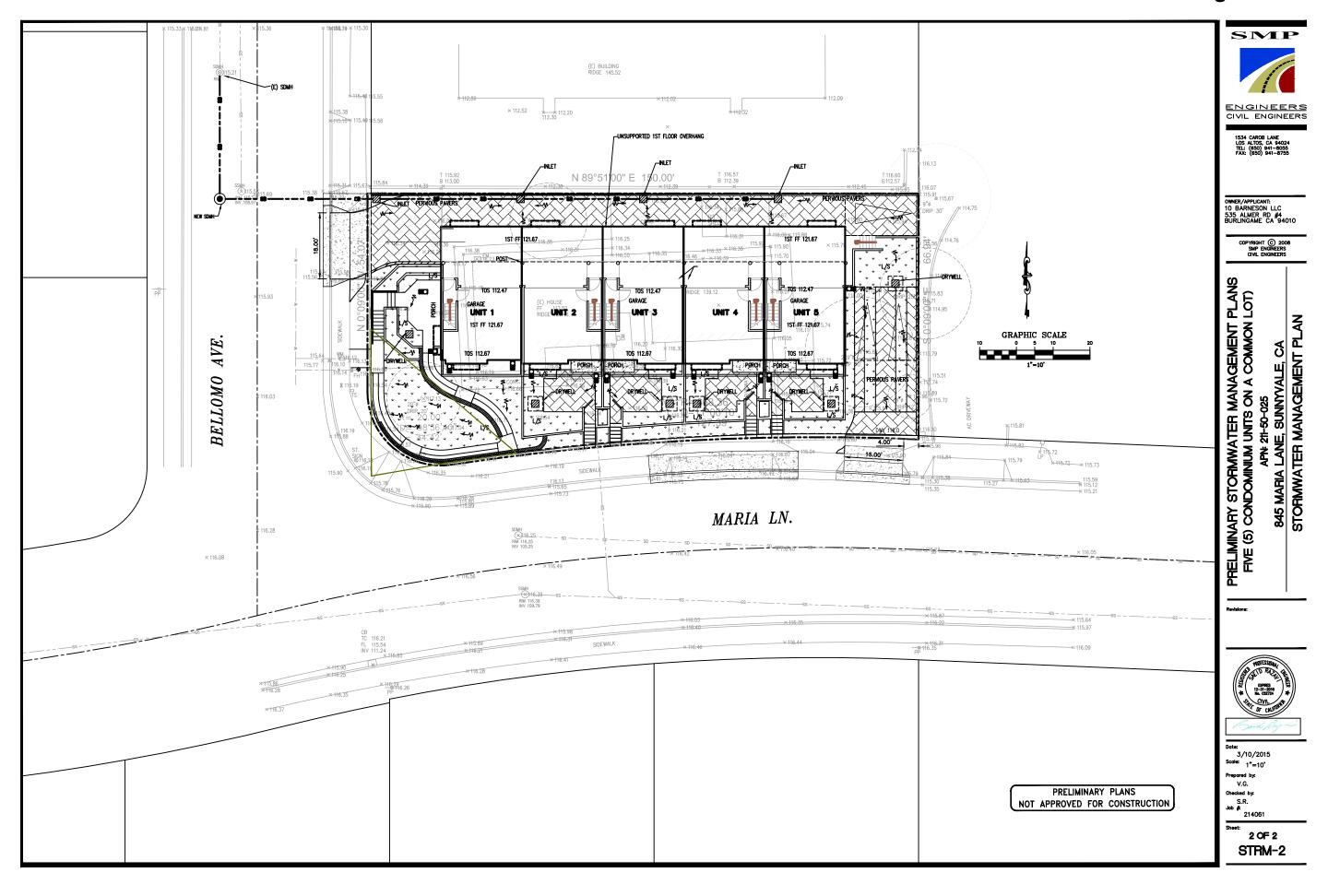
MEASURE MANAGEMENT F S ON A COMMON I VALE, CA APN: 211-50-025
845 MARIA LANE, SUNNYVALE,
STORMWATER MANAGEMENT NOTE PRELIMINARY STORMWATER FIVE (5) CONDOMINIUM UNITS

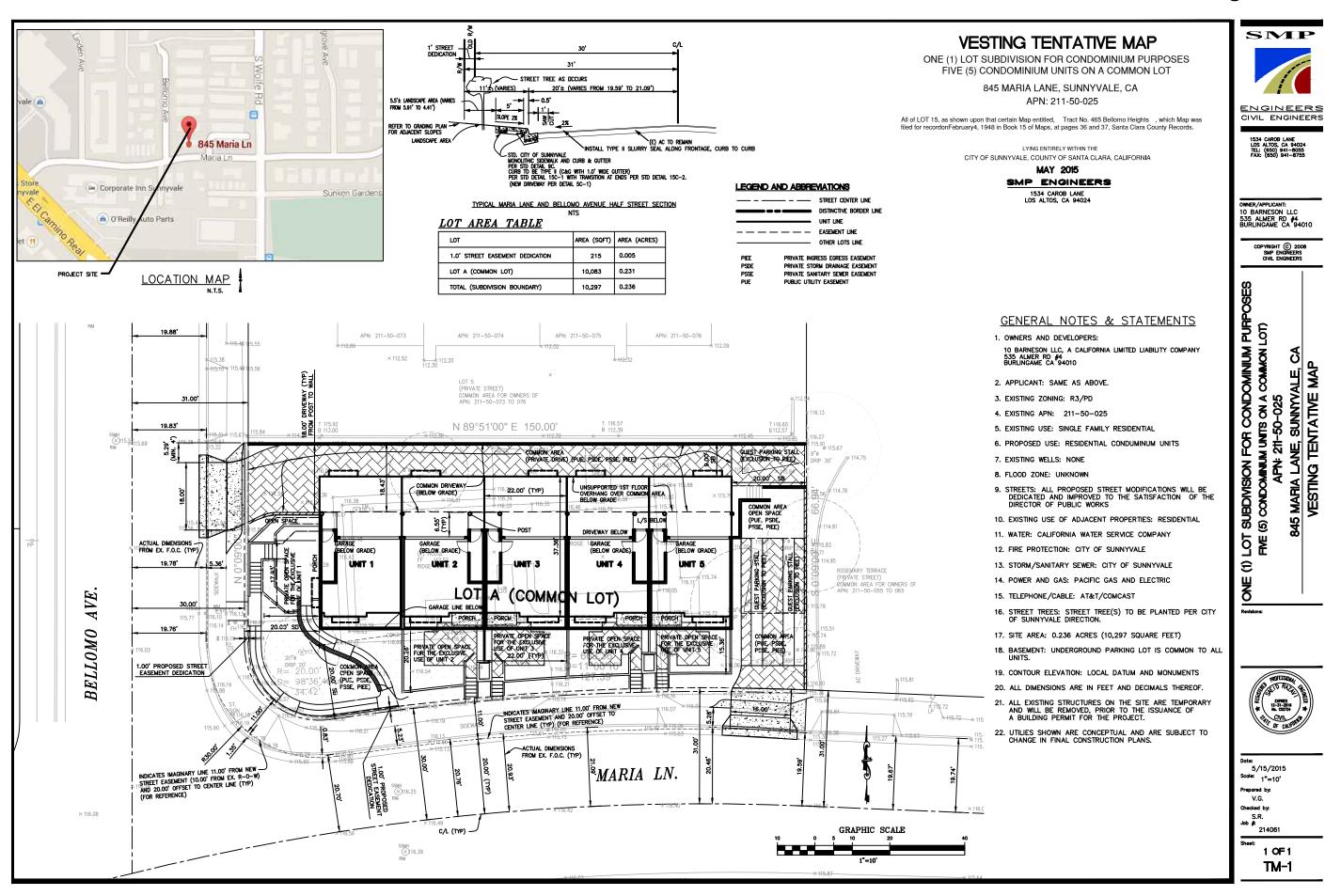
UNITS

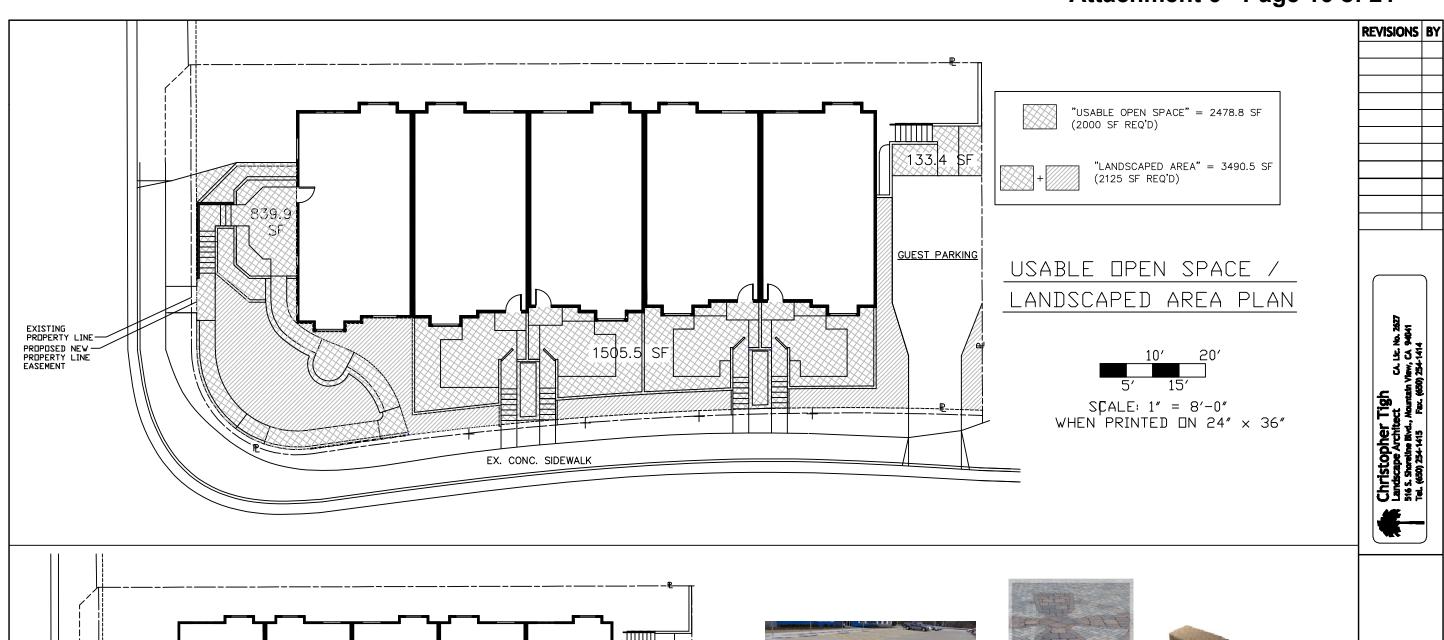


3/10/2015 Prepared by: V.G. Checked by S.R. 214061

> 1 OF 2 STRM-1







GUEST PARKING

PERVIOUS PAVING PLAN

NO SCALE

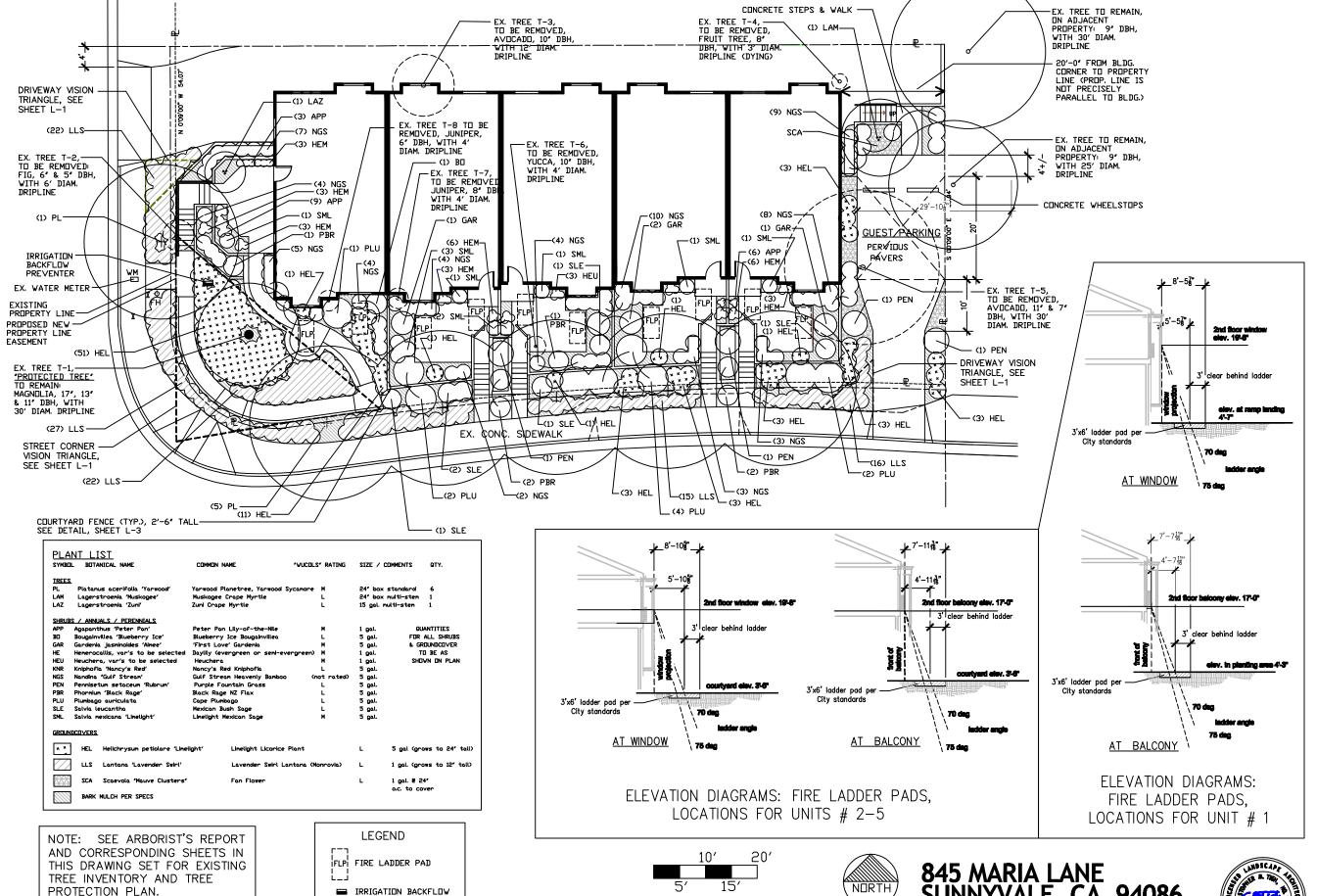
- PATIO & DRIVEWAY PAVING (FOR 2-CAR GUEST PARKING) TO BE PERVIOUS PAVERS such as AQUA-BRIC PAVERS, by ADVANCED PAVEMENT TECHNOLOGY, <u>www.advancedpavement.com</u>, OR SIMILAR. ASHLAR PATTERN SHOWN, OTHER PATTERNS & COLORS AVAILABLE.



845 MARIA LANE SUNNYVALE, CA 94086 LANDSCAPE LAYOUT PLANS 845 MARIA LANE SUNNYVALE, CA 94086 LANDSCAPE LAYOUT PLANS

DATE: 5/15/15 PLANNING SUBMITTAL

SHEET **L-1**



SCALE: 1'' = 8'-0''

WHEN PRINTED ON 24" × 36"

845 MARIA LANE SUNNYVALE, CA 94086 **PLANTING PLAN**



DATE: 5/15/15 PLANNING SUBMITTAL

CA 94086 PLAN

845 MARIA I SUNNYVALE, PLANTING P

REVISIONS BY

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Christopher Tandscape Architec

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SHEET **L-2**

PLANTING SPECIFICATIONS

SECTION 02920 SOIL PREPARATION AND LANDSCAPE FINISHED GRADING

PART 1 - GENERAL

1.1 PROTECTION

A. Protect landscaping and other features renaining as final work. B. Protect existing structures, fences, roads, sidewalks, paving, curbs, trees and shrubs.
C. Where it is necessary to excavate adjacent to existing trees, the contractor shall use all possible care to avoid injury to trees and tree roots. Bo not stockpile naterials or allow vehicular traffic or any other cause of coppaction beneath the canopy of any trees to remain, whether such trees are on site or an adjacent property.

Jo not cut any roots larger than two (2) inches in diameter during excavation, trenching, or grading operations. If roots of such size are encountered, contact Landscape Architect langdistely.

Any roots one (1) inch in diameter and larger which are cut shall be painted with two coats of Tree Seal or approved equal. Excavations adjacent to trees shall be closed within twenty-four (24) hours. Where this is not possible, the side of the excavation adjacent to the tree shall be kept shaded with burlap or canvas. Renove and replace any tree danaged beyond repair with a tree of similar character, as specified by the Buner, at no cost to the Buner. Protect all existing utilities, site features, and other work from danage due to the Work of this Section.

D. Exercise extreme care in excavating and working near existing utilities. Verify the location and condition of all utilities. Repair any damage to existing utilities or adjacent properties caused by or during the performance of work at no additional cost to the Dwner.

2.1 MATERIALS
A. Imported topsoil: Friable loam "Colma Sand" or equal, free of subsoil, roots, grass, excessive anount of weeds, stone, and foreign matter) acidity range (pl) of 5.5 to 7.5 containing a minimum of four (4) percent and a maximum of 25 percent organic matter obtained from one source.

PROVIDE ANALYSIS REPORT INCLUDING RECOMMENDATIONS FOR AMENDMENTS (FROM AN APPROVED SOILS LABORATORY) OF IMPORTED TOPSOIL TO LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO DELIVERY OF ANY IMPORTED TOPSOIL TO THE SITE.

B. Soil amendments for backfill mbx Nutrient substances, conditioners and organic materials, as follows: Brganic material shall be nitrogen-fantified wood residual as follows: Porticle size Min 93% passing 4 nesh screen, Min. 80% passing 8 mesh screen. Nitrogen content 0.5% based on dry weight for redwood savoust) 0.7% based on dry weight for fir sawdust) 1.0% based on dry weight for fir or pine bark.

Pine sawdust is not acceptable

PART 3 - EXECUTION

A. Verify site conditions and note irregularities affecting work of this Section. Notify Landscape Architect in writing of any irregularities before

3.2 SUBSDIL PREPARATION FOR AREAS TO RECEIVE IMPORTED TOPSDIL OR AMENDED EXISTING TOPSDIL FROM STOCKPILE

A. Eliminate uneven areas and low spots. Remove debris, roots, branches, and stones in excess of 1 (one) inch in size. Remove subsoil contaminated with petroleum products.

B. Scarify subgrade to depth of 6' where topsoil is scheduled. Scarify in areas where equipment used for hauling and spreading topsoil has compacted subsoil.

A. Place topsoil as required to bring elevations to finish grade.
B. Use topsoil in relatively dry state. Place during dry weather.
C. Fine grade topsoil elininating rough or low areas.
D. Remove stone, roots, grass, weeds, debris and foreign material while

spreading. E. Remove surplus topsoil from site.

3.4 AMENDMENT OF EXISTING TOPSOIL IN PLACE

A. Grade of topsoil after amendment shall match existing grade prior to cultivation and amendment. Thoroughly nix amendment materials into the top six inches of topsoil by hand-cultivating.

B. Amend existing topsoil in relatively dry state.
C. Fine grade topsoil eliminating rough or low areas.

D. Remove stones, roots, grass, weeds, debris and foreign material while incorporating amendments.

A. Top of Amended Topsaili Shrub and Groundcover bedsi Min. 1' below adjacent paved areas and header boards.

SECTION 02950

PART 1- GENERAL

A. Trees, shrubs, vines and groundcover. B. Mulch and slow-release fertilizer tablets.

1.2 RELATED SECTIONS:

A. Section 02920 - Soil Preparation and Landscape Finish Grading

A. ANSI Z60.1 - Nursery Stock, true to type and name.

B. Applicable standards:

1. An Annotated Checklist of Woody Drnamental Plants of California, Dregon & Washington, latest edition, Univ. of Ca., Div. of Agricultural Sciences.

2. USA Standard for Nursery Stock, latest edition, American Association of Nurserymen

1.4 DEFINITIONS

A. Veeds: includes Dandellon, Jinsonweed, Quackgrass, Horsetail, Monring Glory, Rush Grass, Mustard, Landsquarter, Chickweed, Cress, Crabgrass, Canadian Thistle, Nutgrass, Polson Diak, Blackberry, Tansy, Rogwort, Bernuda Grass, Polson Ivy, Nut Sedje, Ninble Vill, Bindweed, Bent Grass, Vild Garlic, Johnson Grass, Perrenial Sorret, and Brone Grass.

B. Plants: Living trees, shrubs, vines and groundcover specified in this Section and described in ANSI Z60.1

A. Nursery: Company specializing in growing and cultivating the plants specified in this Section, with minimum ten (10) years documented experience.

B. Installer: Company specializing in installing and planting the plants specified in this Section, with minimum five (5) years documented experience. Retain qualified English-literate planting forenan on the job whenever

1.6 REGULATORY REQUIREMENTS:

A. Comply with regulatory requirements for fertilizer and herbicide

composition.

B. Plant Materials: Certified by state department of agriculture. Described by ANSI Z601, free of disease or hazardous insects.

C. Comply with all applicable Federal, state, and local codes and regulations pertaining to use, storage, and disposal of herbicides, pesticides, and other

D. Inspection Certificates required by law shall accompany each shipment of plants and shall be delivered to the Landscape Architect.

1.7 DELIVERY, STORAGE AND HANDLING:

A. Protect plants from sun and wind during transport and on site until

planted. B. Deliver live plant materials immediately prior to placement. C. Keep plants moist. D. Deliver plants with legible, waterproof indentification labels, stating plant name and size.

A. Coordinate the work of this Section with installation of underground irrigation system and utilities, and with the work of other trades.
B. Vithin 30 days after award of Contract, submit documentation that all plant materials have been ordered.

A. Provide a warranty, including coverage from death or unhealthy conditions, on all plants one-gallon size and larger, for a minimum of one year, including one continuous growing season.

B. Any delay in completion of the planting operations which extends the planting into more than one planting season shall extend the Varranty Period correspondingly.

C. Varranty shall commence on date identified in the Certificate of Substantial Completion, to be provided by the Landscape Architect.

D. Replacements plants of same size and species as specified, with a new warranty commencing on date of replacement.

Part 2 - PRODUCTS

A. Substitutions will not be permitted, except as follows: If proof is subnitted to the Landscape Architect that any plant specified is not available, a proposal will be considered for use of nearest equivalent size or variety with an equitable adjustment of Contract price. Such proof shall be substantiated and submitted in writing by the Contractor within 3d days after effective date of Notice to Proceed These provisions shall not relieve Contractor of the responsibility of obtaining specified materials in advance if special growing conditions or other arrangements mut be made in order to supply specified materials.

A. Quantities given for plant naterials are shown for convenience only. Provide plants shown on the Drawings. B. Trees, shrubs, vines and groundcovers shall be species and size identified in plant schedule, nursery grown in clinatic conditions similar to those in locality of the Work as shown on the Drawings. C. Plants shall be typical of their species or variety, showing normal habits of growth, and be sound, healthy and vigorous, well-branched and densetly follated when in leaf, free of disease, insect pests, eggs or larvae, and have healthy, well-developed root systems.

or growth, and be sound, heatthy and vigorous, well-branched and densely foliated when in leaf, free of disease, insect pests, eggs or larvae, and have healthy, well-developed root systems.

I Trees shall have straight trunks with the leader intact, undanaged and uncut. Trees with danaged or crooked leaders, or multiple leaders, unless specified, will be rejected. Trees with abrasions of the bark, sunscalding disfiguring knots, or fresh cuts of links over \(\frac{\pi}{2} \) which have not completely calcused over will be rejected.

E. Measure all trees and shrubs when their branches are in their normal position. Height and spread dimensions when specified refer to main body of the plant, not to branch or root tip to tip.

F. Do not prune plants prior to Preliminary Inspection and Approval.

G. Container Stock Grown in containers in which delivered for minimum of six norths but not over two years. Samples must be shown to prove that no rootbound condition exists. Any plants which are removed from their containers prior to planting for the purpose of establishing occurrence of rootbound conditions shall be replaced at no additional cost to the Dwner.

I. Furnish quantities on the Plant List, if shown, are given only for the Drawings. Quantities on the Plant List, if shown, are given only for the convenience of the Contractor. Any discrepancy in the quantities given in the Plant List shall not entitle the Contractor to additional renumeration.

2.3 BACKFILL MATERIALS

2.3 BACKFILL MATERIALS:

A. Slow-release Fertilizer Tablets shall be AGRI-FDRM PLANT TABS, placed in the plant pits at the following rates:

1 gallon plants - 1 tablet
3 gallon plants - 2 tablets
5 gallon plants - 2 tablets

B. Backfill Mix for all plant naterials shall be two parts existing soil from plant pit (including amended topsoil), free of rocks, clods or lumpy material, and one part organic wood residual material (or as specified in the olls Analyis Report).

C. Drganic Material Nitrogen-fortified wood residual as follows:
Min. 93% passing 4 mesh screen
Min. 80% passing 8 mesh screen
Nitrogen content: 0.5% based on dry weight for redwood sawdust

1.0% based on dry weight for fir sawdust

1.0% based on dry weight for fir pine bark
(Pine sawdust is not acceptable)

1. Vater: Clean, fresh and free of substances or matter which could inhibit vigorous growth of plants.

2.4 MULCH MATERIALS:

A. Bark Mulch: 3' depth of 3/4' to 1-1/2' redwood bark mulch, free of growth- or gernination-inhibiting ingredients. Shredded bark ('gorilla hair') is not acceptable.

B. Pebble Mulch: 2"-3" diam. "KURO" polished black pebbles, 3"-4" depth

A. Stakes, ties, wood headers and root barriers shall be as shown on the Drawings.

A. Inspect plant material at source to verify acceptability.

A. Provide certification of inspection by County or other authorities having jurisdiction for approval of plants supplied.

Port 3 - EXECUTION

A. Locate plants as shown on the Brawings for review and final placement by the Landscape Architect prior to digging plant pits. Provide seven days obtained the placement of plants, for naterial inspection and field adjustments.

B. Set plants vertical.

C. Excavate plant pits with vertical sides as shown on the Brawings.

D. Loosen edges of rootball without disturbing roots before settling plants in pits. Plants shall be subject to inspection by the Landscape Architect at any time prior to Final Acceptance to verify that rootball edges have been loosened. Any plants shown to be planted inproperly shall be replaced.

E. Planting Backfill Mix shall be as specified above in PART 2.

F. Mix all planting backfill instruces on site and stockpile for use.

Set plants in center of pits, plumb and straight, with root crown at such elevation that after settlement, plant crown shall be one inch above surrounding finish grade elevation.

H. When plants are set, tamp backfill nix around base of rootball to fill all voids.

No when plants are set, tamp backfilled approximately % their depth, water thoroughly before installing renainder of backfill mix to top of pit. Avoid creating air pockets.

I. Form earth bern for watering basin at outside edge of rootball. K. Groundcover Planting: Lightly cultivate groundcover areas and plant plants at spacing specified. Water thoroughly immediately following planting, taking care to avoid erosion.

L. When planting areas are dry enough to walk on, apply pre-emergent herbicide, in accordance with manufacturer's instructions.

M. Inmediately after planting operations are complete, mulch all planting areas to depth of two inches.

3.3 INSTALLATION OF ACCESSORIES:

A. Install wood headers, stakes, ties and root barriers as shown on the Drawings.

3.4 PLANT SUPPORT:

A. Set plants vertically with tree stakes or guys as shown on the Drawings. Loop tree ties sufficiently large, and provide guys sufficiently long, to allow for two years' growth of tree. Stake and guy inmediately after planting.

A Request a preliminary inspection of all planting upon completion of work. Notify the Landscape Architect at least 2 days prior to inspection date. No partial approvals will be given. Completed work must be to the satisfaction of the Landscape Architect.

B. Perform any work requiring corrective action in the Judgement of the Landscape Architect within fourteen days after the Preliminary Inspection, in accordance with the Drawings and Specifications, and at no additional cost to the Duner.

3.7 FINAL INSPECTION:

A Inspection of planting and related work shall be made at the Contractor's request upon completion of all work.

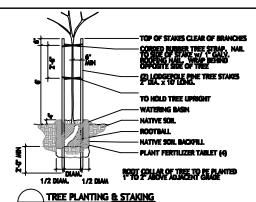
8. Notify the Landscape Architect at least 2 days prior to inspection date. Inspection and approval of the completed work establishes the beginning of the Warranty Period.

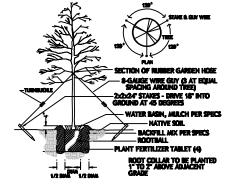
A. The work under this Contract will be accepted by the Dwner and the Landscape Architect upon the satisfactory completion of all work, exclusive of the warranty replacement of plant materials.

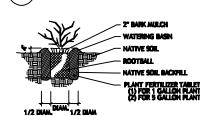
A Perform the Work under this Section so as to keep affected portions of the site neat, clean and orderly at all times. Upon completion of the Work of this Section, remove invended tely all surplus materials, rubbish, and equipment associated with or used in the performance of this Work.

END OF SECTION

PROTECT ALL EXISTING TREES TO REMAIN PER SPECIFICATIONS IN THE ARBORIST'S REPORT & DRAWINGS - IN THE EVENT OF CONFLICT WITH ANY ITEMS ON THIS SHEET, THE ARBORIST'S REQUIREMENTS SHALL PREVAIL.

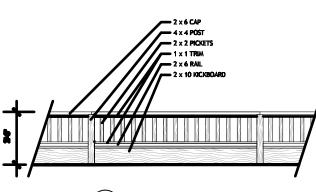






TREE PLANTING & GUYING





COURTYARD FENCE DETAIL

845 MARIA LANE SUNNYVALE, CA 94086 PLANTING SPECIFICATIONS

REVISIONS BY

No. 2627 引の食 ឋ្និង Tigh ect Mountain Fax. (65 Christopher
Landscape Archite
316 S. Shareline Blvd.,
Tel. (850) 224-1415

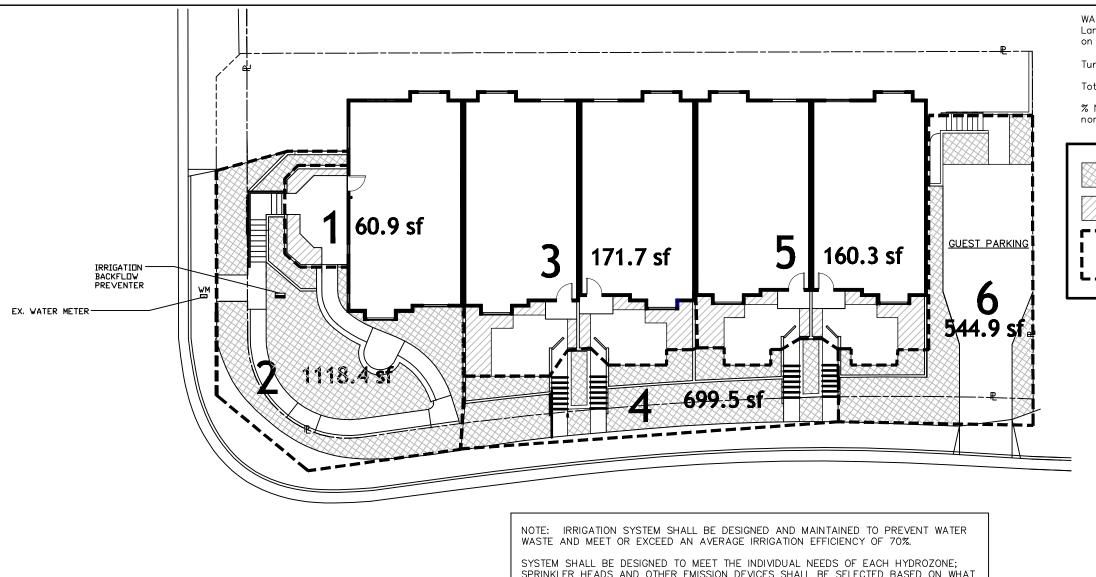
DETAILS Œ , LANE ; CA 94086 SPECIFICATIONS 8 845 MARIA I SUNNYVALE, PLANTING S

DATE: 5/15/15 PLANNING SUBMITTAL

SHEET

SCALE: 1'' = 8'-0''WHEN PRINTED ON 24" x 36"

10'



WATER EFFICIENCY DESIGN Landscaping design and plant selection is based on OPTION 1:

Turf/lawn area = 0 SF

Total irrigated landscaped area = 2755.7 SF

% Native, low water or no water use plants of non-turf landscaped areas = 85.75%

LOW WATER USE PLANTING = 2362.8 SF (85.75% OF TOTAL)



MODERATE WATER USE PLANTING = 392.9 SF (14.25% OF TOTAL)

HYDROZONE / VALVE ZONE

. Lk. No. 2627 , CA 94041 F1414 ឋដ្ឋ Christopher Tigh Landscape Architect 316 S. Shorethe Blvd., Mountain V Tel. (630) 254-1415 Fex. (630)

REVISIONS BY

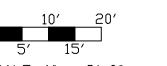
845 MARIA LANE SUNNYVALE, CA 94086 HYDROZONE PLAN

SPRINKLER HEADS AND OTHER EMISSION DEVICES SHALL BE SELECTED BASED ON WHAT IS APPROPRIATE FOR THE PLANT TYPE WITHIN EACH HYDROZONE: SPRINKLER HEADS SHALL HAVE MATCHED PRECIPITATION RATES WITHIN EACH CIRCUIT.

LOW VOLUME IRRIGATION (E.G. BUBBLER OR DRIP-TYPE) IS TO BE USED FOR TREES, SHRUBS, MULCHED AREAS, AND AREAS WITHIN 2 FT. OF ANY IMPERMEABLE HARDSCAPE.

IRRIGATION CONTROLLERS UTILIZING EITHER EVAPOTRANSPIRATION OR SOIL MOISTURE SENSOR DATA AND CAPABLE OF DUAL OR MULTIPLE PROGRAMMING SHALL BE USED.
SENSORS THAT OVERRIDE THE CALL FOR WATER DURING UNFAVORABLE WEATHER
CONDITIONS OR IF THE SOIL IS STILL MOIST ARE TO BE INCORPORATED INTO THE

IRRIGATION CONTROLLERS AND BACKFLOW DEVICES SHALL BE SCREENED FROM PUBLIC



SCALE: 1'' = 8'-0''WHEN PRINTED ON 24" × 36"



845 MARIA LANE SUNNYVALE, CA 94086 HYDROZONE PLAN



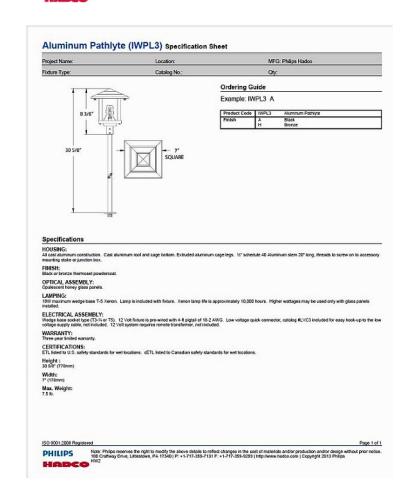


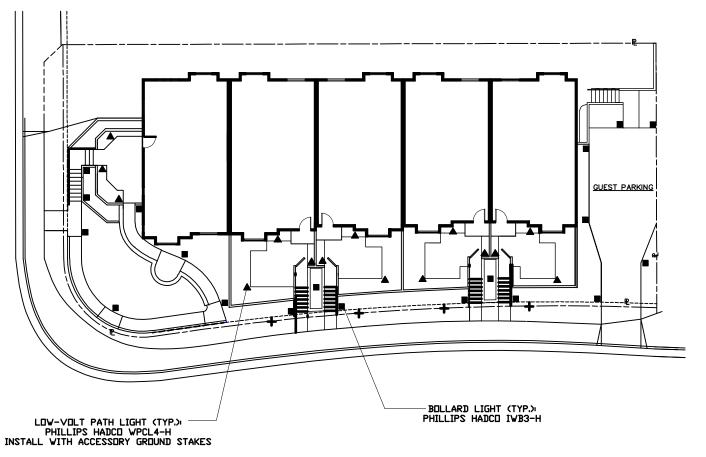
DATE: 5/15/15 PLANNING SUBMITTAL

SHEET

Height: 30 6/6" (779mm) Width: 7" eq. (176mm) Max. Weight: 8.25 lb.

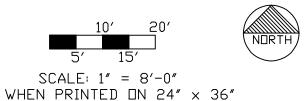
BOLLARD LIGHT





LANDSCAPE LIGHTING PLAN

NO SCALE



845 MARIA LANE SUNNYVALE, CA 94086 LANDSCAPE LIGHTING PLAN | REVISIONS | BY |

CA. Léc. No. 2627 View, CA. 94041 3) 254-1414 Christopher Tigh
Landscape Architect
316.5. Snowline Bivd., Mountain V
Tol. (650) 254-415 Pax. (650)

845 MARIA LANE SUNNYVALE, CA 94086 LANDSCAPE LIGHTING PLAN

DATE: 5/15/15 PLANNING SUBMITTAL

SHEET

L-5

TREE PROTECTION MEASURES:

- 1. The Project Arborist shall meet with the General Contractor prior to any Tree Removal, Demolition or Construction activities and provide a Construction Management Plan (CMP) Sheet that includes the Tree Protection Requirements within this plan and indicates the location of the any material storage, wash outs, office modules, portable sanitation, and areas of vehicle or heavy equipment access and egress and shall be clearly posted on site throughout the duration of the development project. The Contractor aggrees to immediately notify the Project Arborist and the City of Sunnyvale if roots are damaged or exposed or if trunk or branches are wounded.
- 2. The Project Arborist shall designate Tree Removals and locations of Tree Protection Fencing of Tree Protection Zones prior to any tree removal, demolition or construction.
- 3. All tree removals shall be performed by hand using light equipment without any damage to retained trees. All stumps shall be removed by hand or using hand operated stump grinding machinery when within the Tree Protection Zones of retained trees and to a depth of no less than twelve (12) inches.

115.31 × 115.67

115.81

115.67

115.98

15.89

SIDE

WM.

116.14

8 0

Ts

ST.

₹ 116.19

116.19

FH

115.38

115.4 115.56

115.6

115.77

115.84

115.80

T2 - FIG

126.09

116.54

X

 $\times 116.34$

 $\times 116.26$

TREE PROTECTION FENCE

- 4. Following TPZ fence installation, The Project Arborist shall inspect and confirm that Tree Protection Fencing has been installed adequately and provide a written report, with photographs, that shall be submitted to the City of Sunnyvale
- 5. Tree Protection Fencing shall be constructed of no less than 4-foot tall metal fencing and supported by no less than 6-foot metal posts on no less than 8-foot centers unless otherwise designated by the Project
- 6. Preserved Trees near equipment access areas shall have their trunks wrapped with 2" x 4" wooden slats and bound securely edge to edge, without nails, as padding from grade to 8-feet above grade. A layer of orange plastic construction fencing is to be wrapped and secured around the outside of the wooden slats. Major scaffold limbs may require additional protection as determined by the Project Arborist.
- 7. All retained trees may be maintenance pruned to include cleaning, thinning of branches using International Society of Arboriculture (ISA) Industry Standards. This can be performed before, during, or

XI EM

X T8 - JUNIPER

 $\times 116.71$

CONC.

× 116.66

× 116.48

115.92

113.00

 $\times 116.02$

116.36

 $\times 116.28$

R = 20.00

 $D = 98^{\circ}36'40$

T1 - MAGNOLIA

TREE PROTECTION FENCI

 $\times 116.28$

 $\times 114.39$

- 8. The Project Arborist shall review any plan revisions within the Tree Protection Zones of preserved trees. This includes, but not limited to, plans for demolition, erosion control, improvements, utilities, drainage, grading, landscaping and irrigation.
- 9. The Project Arborist shall inspect the site monthly for the adequate performance of tree preservation measures and designate soil cutting areas within root zones of protected trees and assess, document, and submit a report to the City of Sunnyvale of any changes in the health of trees since the last
- 10. The Project Arborist shall inspect or supervise all construction activities within the Tree Protection Zones and will receive no less than 72 hour notice of any proposed activities within the Tree Protection Zones of retained trees and the Project Arborist shall document and provide any necessary recommendations to the City of Sunnyvale.
- 11. Excavation shall only occur within the Tree Protection Zones of preserved trees, such as utility trenches, when designated by the Project Arborist. These will be excavated by hand, using high-pressure, air spade, or other method preserving roots over two inches in diameter, or as designated by the Project Arborist. Any roots over two (2") inches in diameter shall only be removed under the direct supervision of the Project Arborist or as otherwise designated by the Project Arborist. All root cutting shall be performed under industry standard methods, documented, and a written report with photographs provided by the Project Arborist to the City of Sunnyvale.

T3 - AVOCADO

X 116.06

117.52

RIDGE 130.46

116.63

X T7 - JUNIPER

 $\times 116.54$

116.25

116.25

116.34

× 116.20

ਹਿਲੋਂ

 $\times 116.74$

SIDEWALK

T6 - YUCCA

X 116.50

- 12. The Project Arborist shall inspect the site following completion of construction, assess tree condition, and make any necessary recommendations within the Final Arborist Report that shall me submitted to the City of
- 13. The Project Arborist shall provide any further recommendations to mitigate impacts to include, but not limited, to hand excavation, hand root root pruning, and fertilization

SPECIFIC TREE PROTECTION:

 $\times 116.34$

116.46 × × 116.39

RIDGE 139.12

× 112.39

 $\times 116.30$

 $\times 116.33$

 $\times 116.24$

× 116.21

116.29

× 116.14

× 116.09

× 116.33

CONC.

- 14 The removal of trees T2-T8 shall be performed as stated within Itemxx of this plan.
- 15. Perserved tree T1 shall have tree protection fencing installed in the Icoation shown on this plan as detailed within Item x of this plan

116.57

112.39

× 115 85

115.67

115.90

 $\times 115.94$

16.15

 $\times 116.07$

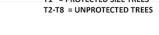
- 16. Preserved tree T1 shall be irrigated, using inline drip lines or soaker hose, with no less than 400 gallons per week throughout
- 17. The proposed foundation near preserved tree T1 shall be designed using existing pier or piers(s) to avoid major roots and a reinforced concrete slab foundation at or near existing soil grade to mitigate root losses.

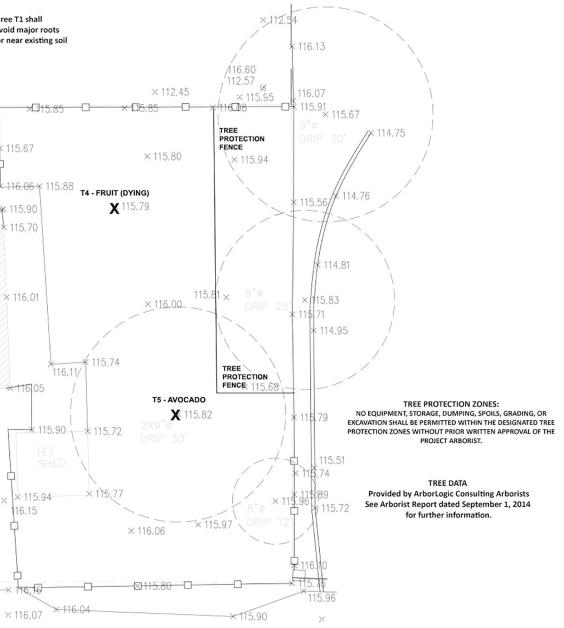


C@24" = Total Trunk Circumference at 4.5 feet above soil grade in inches. D@24" = Trunk Diameter(s) at 4.5 feet above soil grade in inches.

STATUS = Tree Designation as per City of Sunnyvale Municipal Code DRIPLINE = Total tree canopy diameter in feet







California **845 MARIA LANE** Sunnyvale, (A.P.N. 211

-50-02

211

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OBLO

A R B C C O N S U L T I 236 West Portal A 415.753.5022 to

CONSTITUTE THE ORIGINAL AND ND MAY NOT BE DUPLICATED, USE DISCLOSED WITHOUT THE EXPRESS WRITTEN CONSENT OF

DATE: 09/01/14 DRAWN: JDL SCALE: AS SHOWN

REVISED: REVISED:

TREE **PROTECTION**

SHEET

T-1

PLAN