

LAND USE SUMMARY

DESCRIPTION	TOTAL
CONDOMINIUM DEVELOPMENT LOT (INCLUSIVE OF THE FOLLOWING)	2.43 AC
PRIVATE WAY	0.69 AC
LANDSCAPE (NON-DEVELOPED SLOPE AREA)	1.00 AC.

ZONING

EXISTING: MIXED USE, MXU

SITE SUMMARY

DESCRIPTION	PROPOSED
TOTAL NUMBER OF UNITS	36
PROJECT ACREAGE	2.43 ACRES
PROJECT DENSITY	14.8 UNITS PER ACRE

DEVELOPMENT STANDARDS TABLE

DEVELOPMENT STANDARDS PER MUNICIPAL CODE MXII 70NING

DEVELOPMENT STANDARDS PER MUNICI	PAL CODE MXU ZONING	
ITEMS	RESIDENTIAL (HDR)	PROPOSED DEVELOPMENT
MINIMUM LOT SIZE	7,200 sq. ft.	105,916SF./2.43 AC
MINIMUM LOT WIDTH	60 ft.	±300 ft.
MINIMUM LOT DEPTH	100 ft.	±360 ft.
MAXIMUM LOT COVERAGE	70%	1.04AC/2.43AC= 43%
MAXIMUM DENSITY	20 DUs/acre	14.8 DUs/acre
MAXIMUM BUILDING HEIGHT	35 ft.	36 ft. 9-1/2 inch.
FLOOR AREA RATIO	0.38%	0.30%
(TOTAL PROJECT BUILDING FOOTPRINT)		32,004sf.
DRIVE AISIE WIDTHS	24 ft. MIN	26 ft. MIN
MINIMUM SETBACK-FRONT		
PARKING LOT	20 ft.	N/A
PARKING STRUCTURE	20 ft.	N/A
BUILDING	20 ft.	20 ft.
MINIMUM SETBACK-SIDE (INTERIOR)	5 ft.	5 ft.
MINIMUM SETBACK-STREET SIDE	15 ft.	20 ft.
MINIMUM SETBACK-REAR	20 ft.	7.5 ft.
MINIMUM OPEN SPACE		
PUBLIC	N/A	N/A
PRIVATE	10%	14,500sf= 14%
(BALCONIES & PRIVATE YARDS)		
MINIMUM LANDSCAPE COVERAGE	20%	36%
MINIMUM BUILDING SEPARATION		
MAIN-MAIM	10 ft.	6.5 ft.
MAIN-ACCESSORY	2.5 ft.	N/A
ACCESSORY-ACCESSORY	2.5 ft.	N/A
PARKING	2 ASSIGNED AND COVERED PARKING STALL WITH A GARAGE OR PARKING STRUCTURE, PLUS 0.3 STALLS UNASSIGNED PER DWELLING UNIT	2 ASSIGNED AND COVERED PARKING STALL WITH A GARAGE OR PARKING STRUCTURE, PLUS 0.3 STALLS UNASSIGNED PER DWELLING UNIT
PARKING STALL SIZE— STANDARD STALLS	9'X18'	9'X18'
ACCESSIBLE STALLS	14'X18 NG: 43 DU X 0.3= 12.9	14'X18

REQUIRED PARKING: 43 DU X 0.3= 12.9 SPACES 13 SPACES PROVIDED

PARKING SUMMARY

UNIT TYPE	NUMBER OF	NUMBER	PARKING	PARKING	
ONII IIFL	BEDROOMS	OF UNITS	REQUIRED	PROVIDED	
PLAN 1	4	18			
PLAN 2	4	18	SEE NOTE 1	90	
TOTALS		36			
NOTE 1. DER F	NOTE 1. DED DENSITY BONIES LAW THE MAYIMUM DADVING DATIO FOR A				

NOTE 1: PER DENSITY BONUS LAW THE MAXIMUM PARKING RATIO FOR 4 BEDROOM HOMES IS 2.5.

ADDITIONAL STANDARDS	REQUIRED	PROVIDED
MINIMUM WIDTH OF PRIVATE WAY (FLOWLINE TO FLOWLINE)		28' (TYP.)
MINIMUM P.F.L.S. FIRE ROAD WIDTH AT GATED ENTRY	13'	15'

RI III DING SI IMMARY (AREA)

브								
	UNIT TYPE	BEDROOM	BATHROOMS	LIVABLE AREA (SF)	GARAGE AREA (SF)	TOTAL (SF)	FIRST FLOOR TOTAL(SF)	UNITS NUMBER OF
	PLAN 1	4	4	1,991	446	2,437	881	18
	PLAN 2	4	4	2,033	450	2,483	897	18
	TOTAL							36

AFFORDABLE UNITS (5% OF TOTAL) = 2 UNITSFIRST FLOOR SQUEAR FOOTAGE IS (GARAGE, LIVABLE AND PORCHES)

No. 49884

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SHEET LEGEND

C1 – SITE PLAN COVER SHEET

C2 – SITE PLAN C3 – SECTIONS

C4 - CONCEPTUAL GRADING AND DRAINAGE

C5 – EXISTING SITE PLAN

C6 - PARKING AND ACCESS

C7 – TRASH PICK-UP

F1 - FIRE ACCESS PLAN L1 – ILLUSTRATIVE SITE PLAN

L2 - CONCEPTUAL WALL AND FENCE PLAN

L3 – LANDSCAPE ELEVATIONS

L4 - CONCEPTUAL PLANTING PLAN L5 - SHADE STUDY

L6 — TREE CANOPY/SHADE PLAN

EP1 - PHOTOMETRIC SITE PLAN

EP2 - PHOTOMETRIC FIXTURE TYPES

R1 - RENDERINGS

R2 - RENDERINGS R3 — RENDERINGS

A1 – FLOOR PLANS

A2 - FLOOR PLANS

A3 – ELEVATIONS

A4 - ELEVATIONS WITH ROOF PLAN

A5 - SOLAR PANEL ASSESSMENT A6 - COLOR AND MATERIALS BOARD

SITE PLAN COVER SHEET

23161 MILL CREEK | TOLL BROTHERS





DEVELOPMENT STANDARDS TABLE LIST OF EXCEPTIONS

15' minimum building rear setback

5' minimum building interior side setback

20' minimum parking lot front setback

10' minimum building separation

10% minimum private open space

10% minimum landscape coverage

Required for projects greater than 2ac

pedestrian pathway or pathway network.

"9-44.060 Table 9-44.A | 0.3 unassigned stalls required per dwelling unit

minimum stacking distance

not be greater than 42"""

form, or projections

primary façade.

"MXU Zoning 9-30.040 | 35' maximum building height

twenty-five (25) feet of continuous wall.

"9-44.060 Table 9-44.D $|10' \times 20'$ minimum garage dimension

provided on any pedestrian path longer than 200"

Development Standards" | Minimum public open space shall be 1/4 of the minimum open space

Description

Maximum allowed block length of 800' or perimeter length of 2,800'

"Primary entries to buildings or units shall be connected to a public

required. 10% of site area required as private open space per city code"

"MXU Zoning 9-30.040 | 50% of required open space is required as common open space. 10% of site Remove requirement

parking areas shall be internally connected with a minimum 4' wide

At least two amenities that include trellises and/or benches shall be

"A(4) Direct access to a parking lot or parking stall from a public roadway shall be prohibited, except for low-density residential uses

Local street: 40' minimum curb to curb with 8' sidewalk+parkway both

Guard gate: 40' curb to curb with 8' sidewalk+parkway both sides; 100'

Perimeter tract walls which are adjacent to a public street shall have

feet of continuous wall, an eighteen (18) inch deep by eight foot long

Walls should be constructed with pilasters provided at every change in direction, every five feet difference in elevation and at a minimum of every

articulated planes by providing, at a minimum for every one hundred (100)

Fences, walls, and hedges within the front yard setback shall not exceed 42"" in height. The height of retaining walls in the front yard shall be less

than 30"" in height. The total wall height, including the retaining wall, shall

"G(11) Where a parking lot abuts a residential use it shall be provided

six foot high solid masonry wall/fence with screening vegetation planted in

conjunction with the wall. Where the parking lot is across from a residential

area, it shall be provided a landscaped berm and wall combination to screen

Paving shall be required for all permanent parking, access, and

loading facilities. Decorative paving, colored concrete, and asphalt surfacing

At least one long—term bicycle storage space is required for each unit. 36 Reduce to O/unit

Buildings above 2 stories or 35' are required to have a minimum of 30% of Remove requirement

Windows in opposing units, facing each other and located within 40 feet of Remove requirement

materials shall be used and shall conform to the city's adopted standards

Buildings shall employ the specified massing strategies of modulation, roof

Each building façade greater than 100' in length shall include a minimum of

two (2) distinct façade compositions. For every additional 100' of building

"Primary building entrances for all residential buildings shall face a public

sidewalk or publicly accessible pathway. Types of pedestrian entrance

The garage door is required to be located a minimum of 1' behind the

façade, an additional 1 distinct façade composition is required

Ground floor shall have a minimum floor—to floor height of 12'

the frontage stepped back a minimum of 10'.

each other, shall be offset by a minimum 20 feet.

frontages specified shall be applied to buildings"

with an extensive buffer consisting of a minimum five foot wide planter and

"All on—site buildings, entries, facilities, amenities, and vehicular and bicycle | Remove requirement

Short—term bicycle parking shall be provided at a rate of one space per 10 Remove requirement

sidewalk or publicly accessible pathway with a pedestrian pathway

Entrances serving 1-2 units must have a minimum width of 4"

"Required if block lengths exceeds maximum Block Length or Perimeter

Minimum building width must be 20' and a pedestrian path of 8' must be

City Objective

Design Standards

"2.1.1

Maximum Block Size"

Mid-Block Connection'

"2.2.2

Pedestrian Connections"

"2.5.1

"2.5.2

"2.8.1

Common Open Space"

Pedestrian Pathways"

Short-Term Bicycle Parking"

"2.3.1.2

Floor to Floor Height of

Active Uses'

"2.7.1.2

Long-Term Bicycle Parking"

"3.1

Massing"

"3.2.1

"3.5.1

"3.8.1

Window Alignment'

Façade Composition"

Entrance Types"

"3.9.3

Parking & Access"

Step backs"

Public Open Space"

City Code

"MXU Zoning 9-30.040

Development Standards

"MXU Zoning 9-30.040

Development Standards'

"MXU Zoning 9-30.040

Development Standards

"MXU Zoning 9-30.040

Development Standards'

"9-44.060

Design standards for parking facilities"

Number of parking stalls

required"

Number of parking stalls

required"

OCPW Std 1107

OCPW Std 1107

"9-40.100

Fences, walls, and

hedges"

"9-44.060

Design standards for

parking facilities"

Development Standards'



5.9.2025

MWILSON MIKAMI

Waiver Request

Reduce setback to 7.5'

Reduce setback to 5'

Reduce setback to 3.5'

Remove requirement

parking ratio, remove

encroachment for trash

Modify to match City of

Modify to match City of

stacking distance to 95'

Irvine Private Way, reduce

unassigned parking requirement

and water heaters

Irvine Private Way

Reduce to 9'

Remove requirement

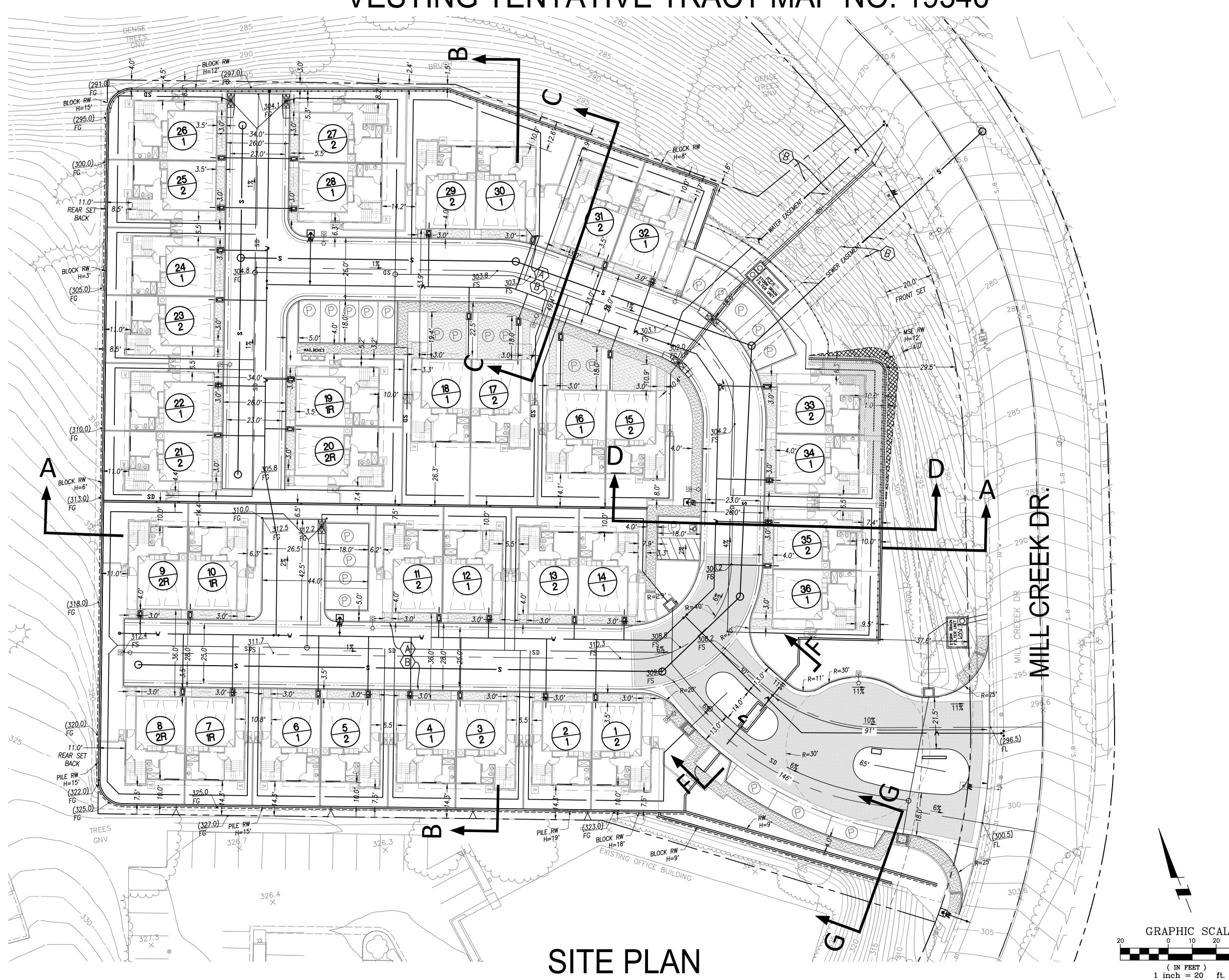
Remove requirement

Increase to 37'

Modify to allow

Meet State Density Bonus

Reduce to 6'



LEGEND

STORM DRAIN LINE (PROP-SANITARY SEWER LINE (EXIS STREET CENTER LINE PROPOSED LOT LINE RECORDED LOT LINE RECORDED TRACT (N.A.P.) CURB & GUTTER ROLLED CURB & GUTTER CURB FLOW LINE TRACT BOUNDARY **EXISTING CONTOUR** PROPOSED CONTOUR CATCH BASIN (PROP) VERDURA BLOCK WALL GEOGRID LIMITS PROPOSED STREET OR WALK GRADE PROPOSED UNIT NUMBERS TRASH CAN LOCATIONS YARD GATE AND STEPPING STONES AIR CONDITIONING UNIT UNIT ENTRANCE ELECTRIC METER LOCATION

EASEMENT NOTES

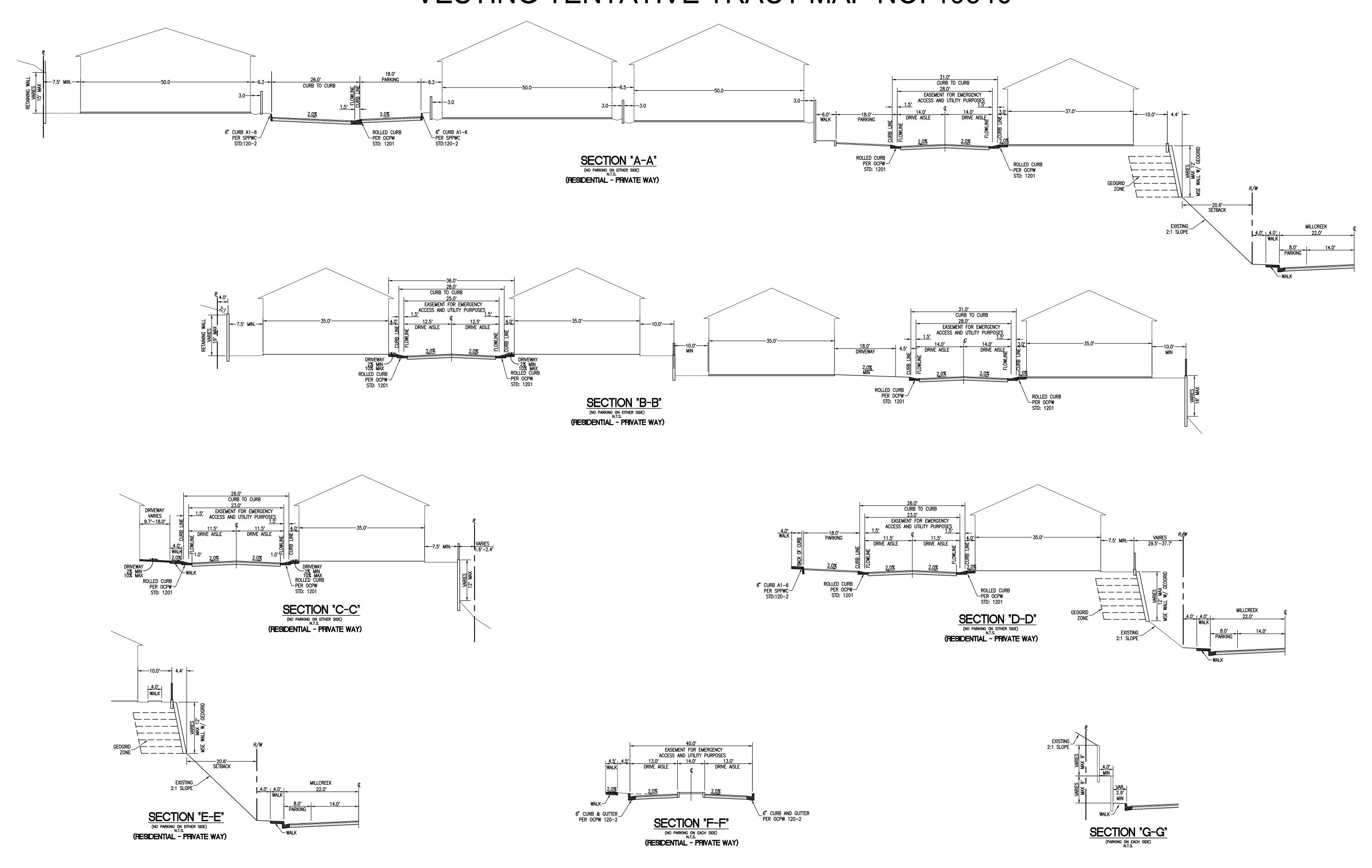
EASEMENT FOR EMERGENCY ACCESS PURPOSES TO THE CITY OF LAGUNA HILLS EASEMENT TO EL TORO WATER DISTRICT FOR SEWER AND WATER PURPOSES

GRAPHIC SCALE

3.19.2025



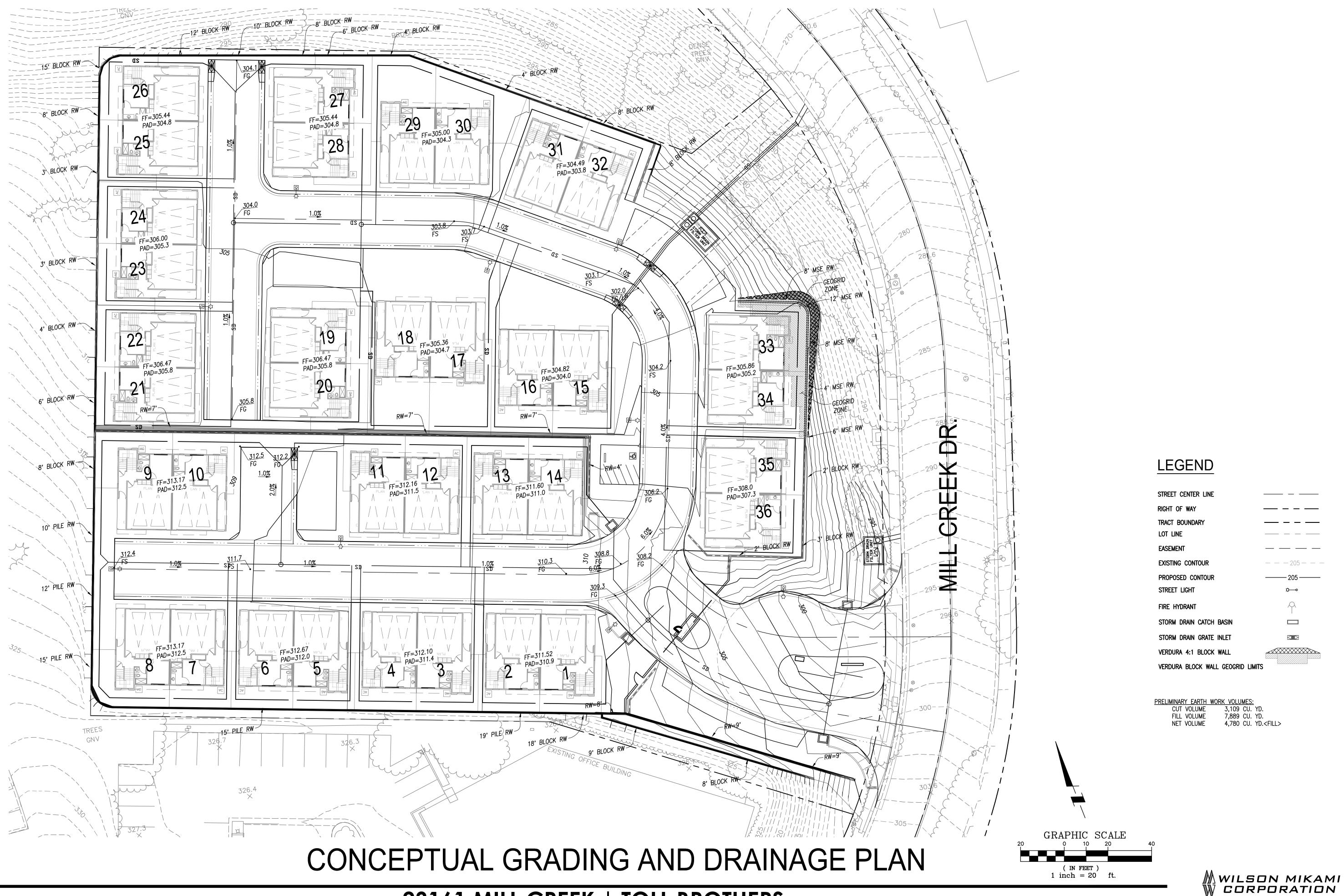
MWILSON MIKAMI W CORPORATION



SECTIONS

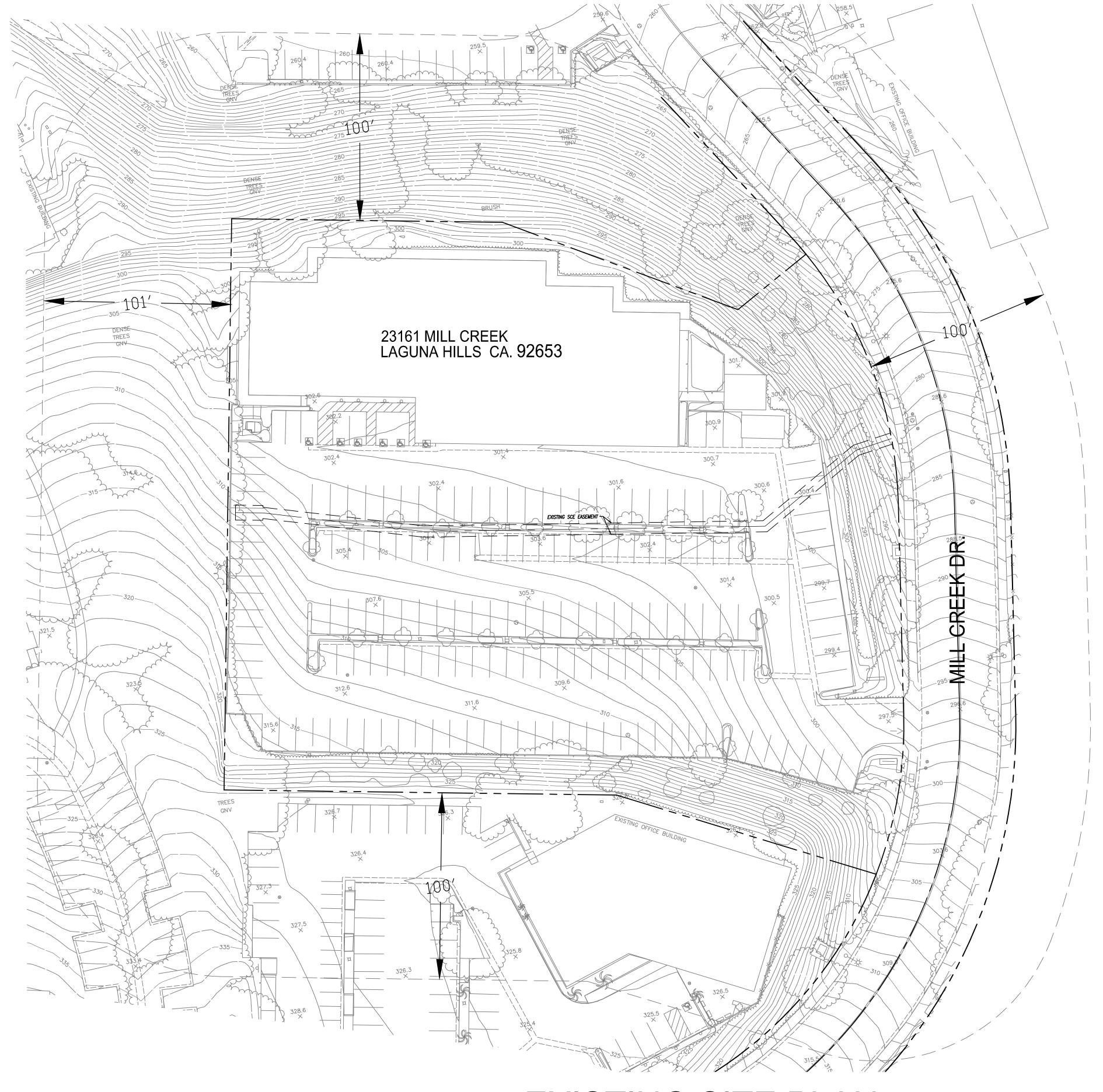


3.19.2025



3.19.2025





LEGEND

STREET CENTER LINE

RIGHT OF WAY

TRACT BOUNDARY

LOT LINE

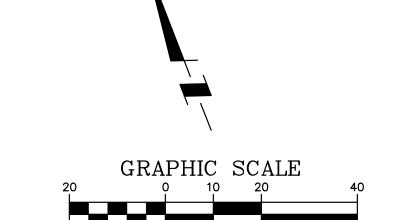
EASEMENT

EXISTING CONTOUR

FIRE HYDRANT

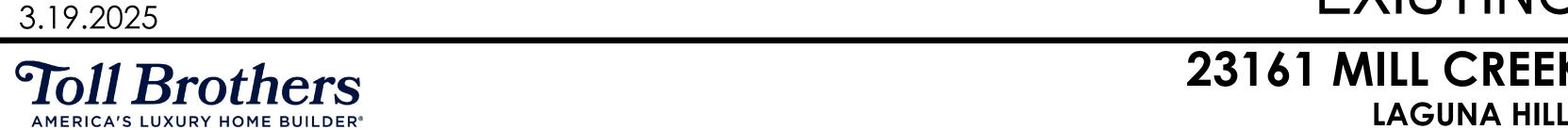
CATCH BASIN

STREET LIGHT



(IN FEET) 1 inch = 20 ft.

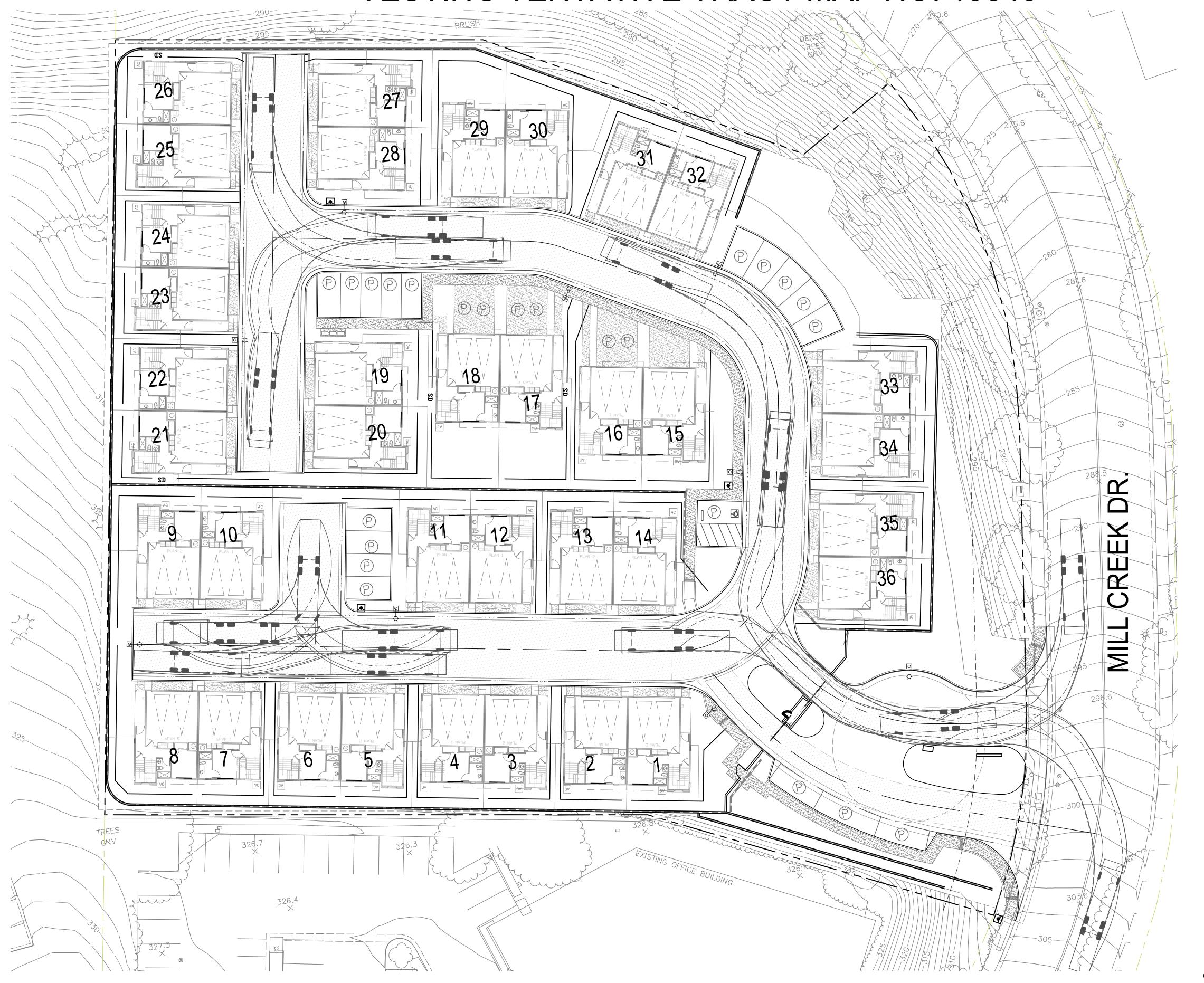
EXISTING SITE PLAN

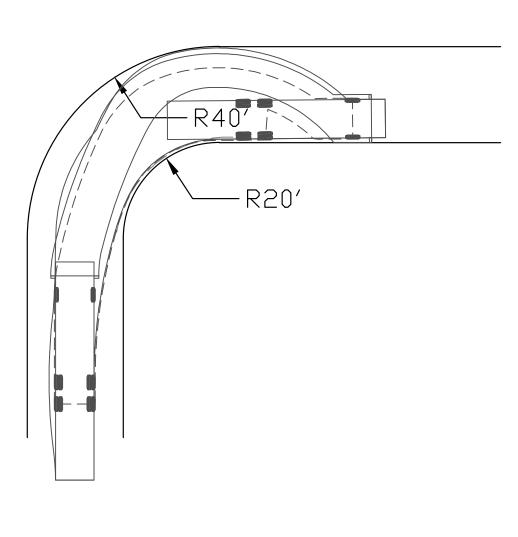






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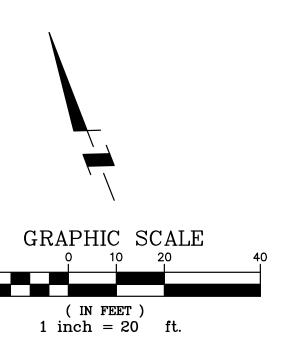


TURNING RADII TYP.

PARKING SUMMARY

UNIT TYPE	NUMBER OF BEDROOMS	NUMBER OF UNITS	PARKING REQUIRED	PARKING PROVIDED
PLAN 1	4	18		
PLAN 2	4	18	SEE NOTE 1	90
TOTALS		36		

NOTE 1: PER DENSITY BONUS LAW THE MAXIMUM PARKING RATIO FOR 4



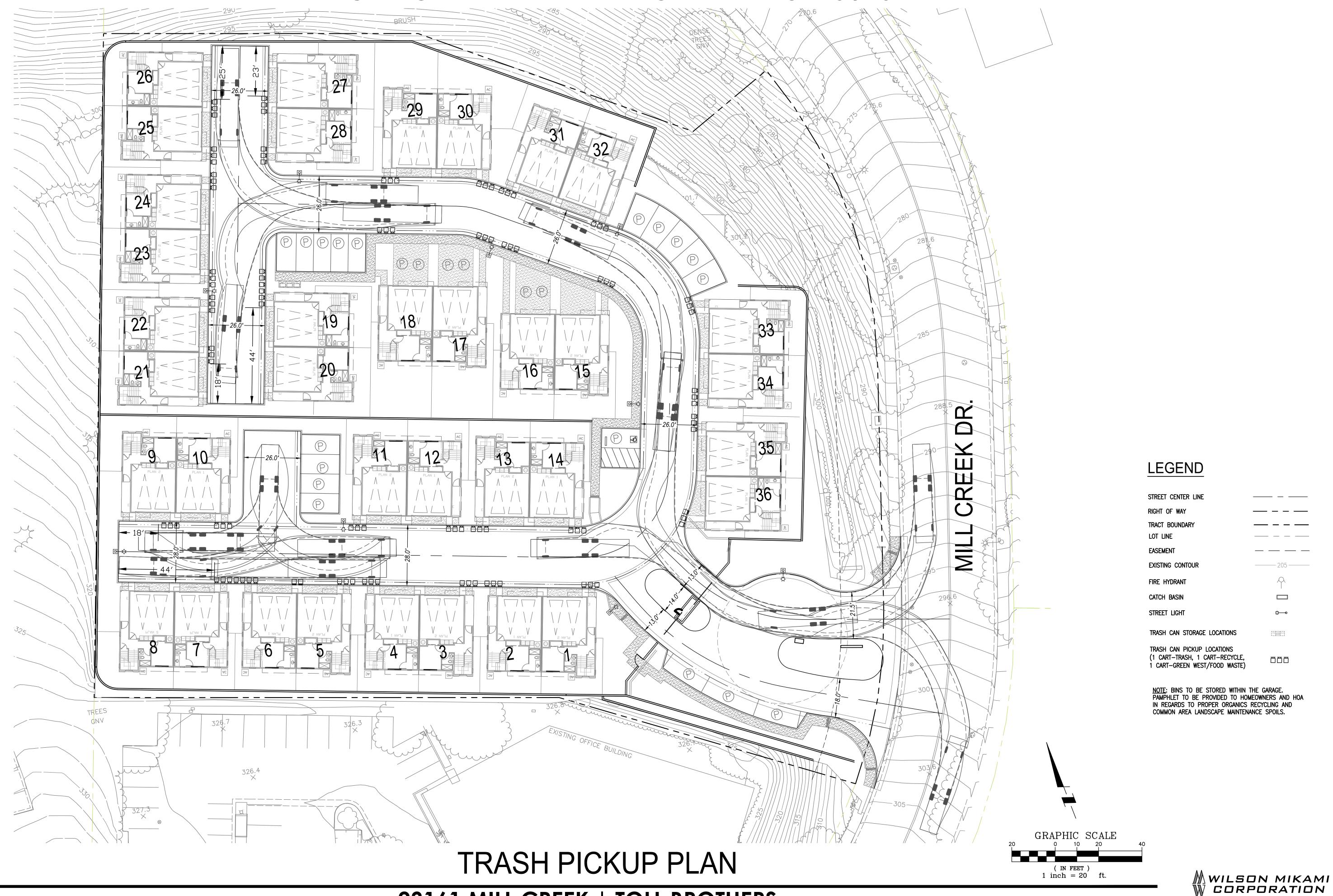
PARKING AND ACCESS PLAN

23161 MILL CREEK | TOLL BROTHERS

LAGUNA HILLS, CALIFORNIA
NOTE: SQUARE FOOTAGE MAY VARY BASED ON CALCULATION METHODS

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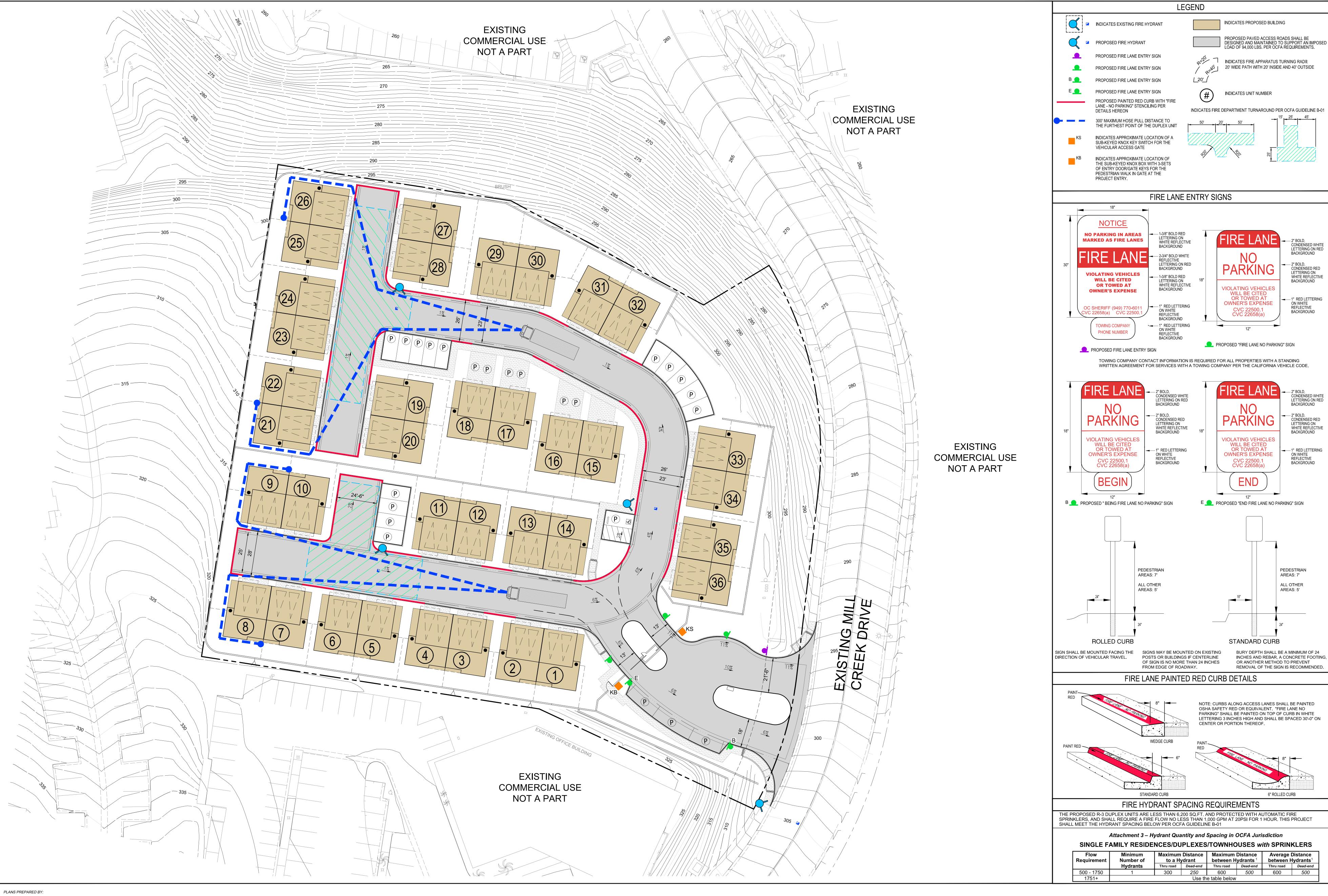
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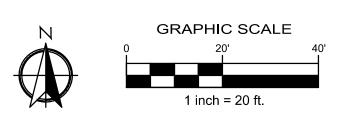
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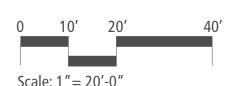




LEGEND

- Gate Entry with Call Box
- 2 Monument Signage Wall
- Parking Stall and Stripping
- 4 Community Mailboxes
- Private yard
- 6 View Fence on top of Retaining Wall
- Planted Slope
- 8 Retaining Wall with Vine Planting

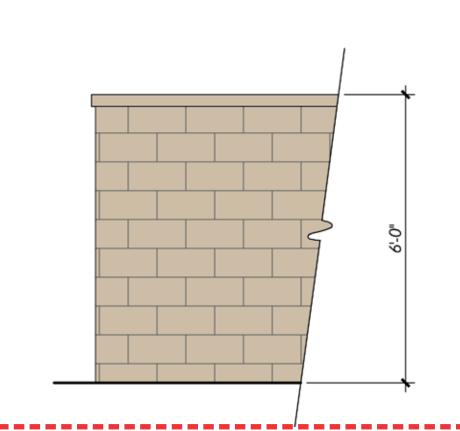
I, Paul Haden, hereby certify that I am the design professional or owner of copyright materials who prepared the architectural drawings for the development application of the above-described property. I hereby grant the City authorization to reproduce the plans within the agenda packet for public hearings and post them on the internet and further acknowledge that members of the public will have access to these plans, and they may be copied.







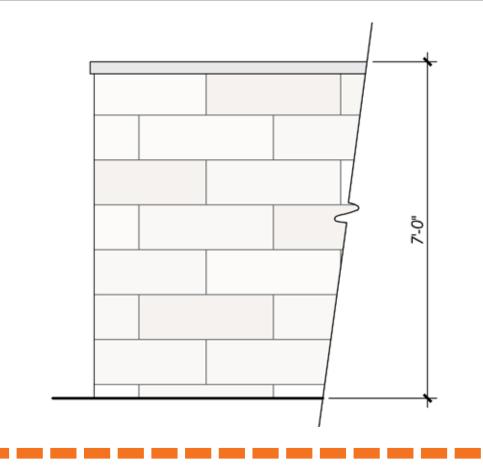
LEGEND



SIDEYARD WALL

-Split Face Block w/ Precision Cap

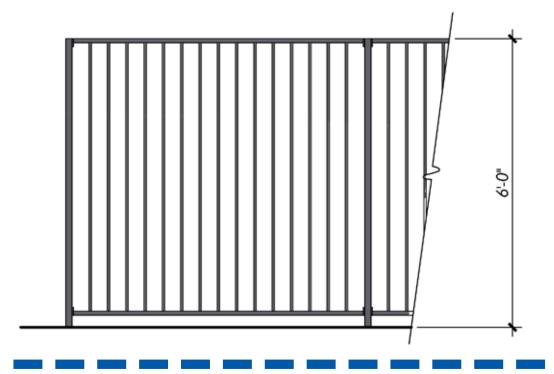
-6'-0" ht.



ENTRY WALL

-Cultured Stone Veneer with Cap

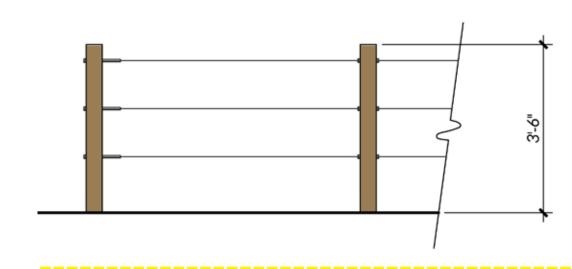
-7'-0" ht.



VIEW FENCE

-Tubular Steel

-6'-0" ht.



GUARDRAIL

-Steel Cable with Wood Posts

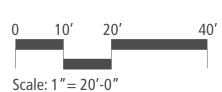
-3'-6" ht.

RETAINING WALL

-CMU Block with Cap or MSE Wall

-Height varies per Civil Engineer





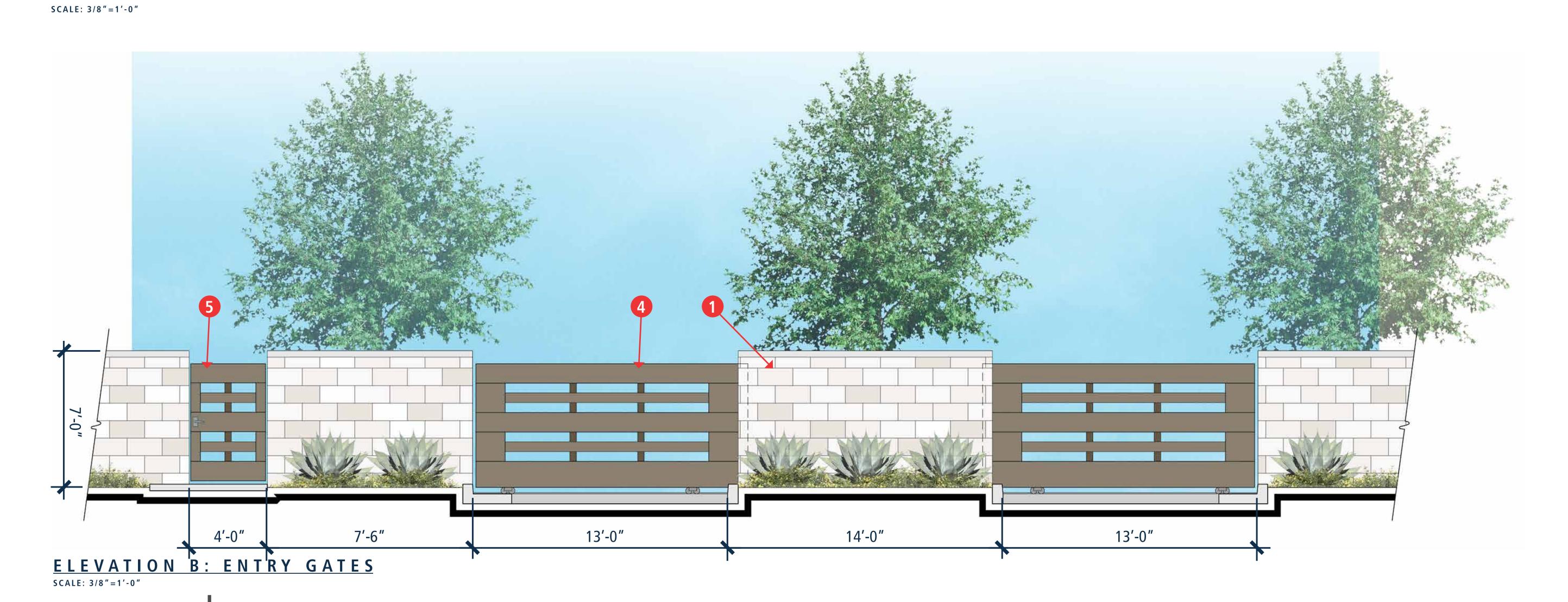




MILL CREEK 15'-6" ELEVATION A: ENTRY MONUMENT

LEGEND

- 1 Cultured Stone Veneer w/ Cap
- Project Signage
- Call Box
- 4 Rolling Vehicular Gates
- Pedestrian Gate







KHOSHBIN - ELEVATIONS









SYMBOL	SCIENTIFIC NAME	COMMON NAME	WUCOLS	
SALL AND IN	Cercidium 'Desert Museum'	Desert Museum Palo Verde	VL	
	Pistacia chinensis	Chinese Pistache	L	
	Platanus racemosa	Western Sycamore	M	
THE STORY	Podocarpus gracilior	African Fern Pine	M	
100 TO 10	Quercus virginiana	Southern Live Oak	M	
	Ulmus parvifolia	True Green Chinese Elm	M	

YMBOL	SCIENTIFIC NAME	COMMON NAME	WUCOLS
A CONTRACTOR OF THE PARTY OF TH	Cercis canadensis	Eastern Redbud	M
	Lagerstroemia ssp.	Crape Myrtle	M
	Olea europaea 'Swan Hill'	Olive	L
37.5	Platanus acerfolia	London Plane Tree	M
Signal .	Searsia lancea	African Sumac	L

PERIMETER SCREENING TREE (24" BOX MIN.) QTY 5

SYMBOL	SCIENTIFIC NAME	COMMON NAME	WUCOLS
41000	Arbutus 'Marina'	Marina Strawberry Tree	L
	Laurus nobilis	Sweet Bay	L
	Tristania confereta	Brisbane Box	M

SMALL ACCENT TREE (24" BOX MIN.) QTY 14

SYMBOL	SCIENTIFIC NAME	COMMON NAME	WUCOLS
	Cercis occidentalis	Western Redbud	L
45%	Feijoa sellowiana	Pineapple Guava	L
1860	Podocarpus elongatus 'Monmal'	Icee Blue Podocarpus	M
	Podocarpus macrophyllus	Fern Podocarpus	M
	Prunus caroliniana 'Bright and Tight'	Carolina Chorry Laurol	M

SHRUBS/VINES:

SYMBOL	SCIENTIFIC NAME	COMMON NAME	SIZE	WUCOLS
	Agave spp.	Agave	5 gal.	VL
	Aloe spp.	Aloe	5 gal.	L
	Buxus japonica 'Green Beauty'	Japanese Boxwood	5 gal.	M
	Callistemon spp.	Bottle Brush	5 gal.	L
	Cistus 'Sunset'	Magenta Rockrose	5 gal.	L
QUANTITIES:	Dasyliron spp.	Desert Spoon	5 gal.	VL
1 gal: 2680sf	Dianella ssp.	Flax Lily	5 gal.	L
	Dietes bicolor	Fortnight Lily	5 gal.	L
[670 plants]	Festuca mairei	Atlas Fescue	5 gal.	L
	Hesperaloe spp.	Yucca	5 gal.	L
5 gal: 5275 cf	Heteromeles arbutifolia	Toyon	15 gal.	VL
5 gal: 5375 sf	Juncus patens	California Gray Rush	5 gal.	M
[610 plants]	Lavandula ssp.	Lavender	5 gal.	L
	Leymus condensatus 'Canyon Prince'	Canyon Prince Wild Rye	5 gal.	L
E asl, 000 cf	Ligustrum japonicum 'Texanum'	Waxleaf Privet	5 gal.	L
15 gal: 900 sf	Lomandra spp.	Dwarf Mat Rush	5 gal.	L
[80 plants]	Olea europaea 'Montra'	Little Ollie Dwarf Olive	5 gal.	VL
	Pittosporum tobira variegata	Vairegated Mock Orange	5 gal.	M
	Rhaphiolepis spp.	Indian Hawthorn	5 gal.	L
	Salvia 'Bees Bliss'	Bee's Bliss Sage	5 gal.	L
	Westringia spp.	Coast Rosemary	5 gal.	L
	Bougainvillea spp. [V/E]	Bougainvillea	15 gal.	L
	Calliandra haematocephala [V/E]	Pink Powderpuff	15 gal.	M
	Trachelospermum jasmnoides [V/E]	Star Jasmine	15 gal.	М
	Rosa banksiae [V/E]			

GROUNDCOVERS:

SYMBOL	SCIENTIFIC NAME	COMMON NAME	SIZE	WUCOLS
	Acacia redolens	Prostrate Acacia	1 gal.	VL
等于为一种中国中国中国中	Carissa 'Boxwood Beauty'	Natal Plum	1gal.	L
Mile of Allendard Allendard	Carex tumulicola	Foothill Sedge	1 gal.	L
	Lonicera japonica	Japanese Honeysuckle	1 gal.	L
	Myoporum p. 'Putah Creek'	Creeping Myoporum	1 gal.	L
QUANTITIES:	Rhaphiolepis spp.	Indian Hawthorn	5 gal.	L
	Rosmarinus officinalis	Rosemary	5 gal.	L
3800 sf	Trachelospermum asiaticum	Asian Star Jasmine	1 gal.	M
[1600 plants]	Westringia 'Low Horizon'	Coast Rosemary	5 gal.	L





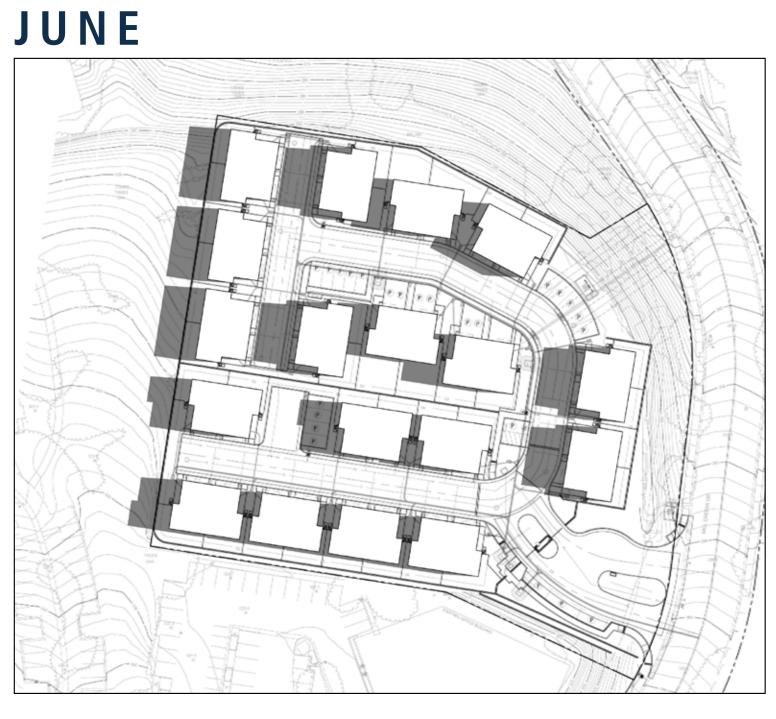


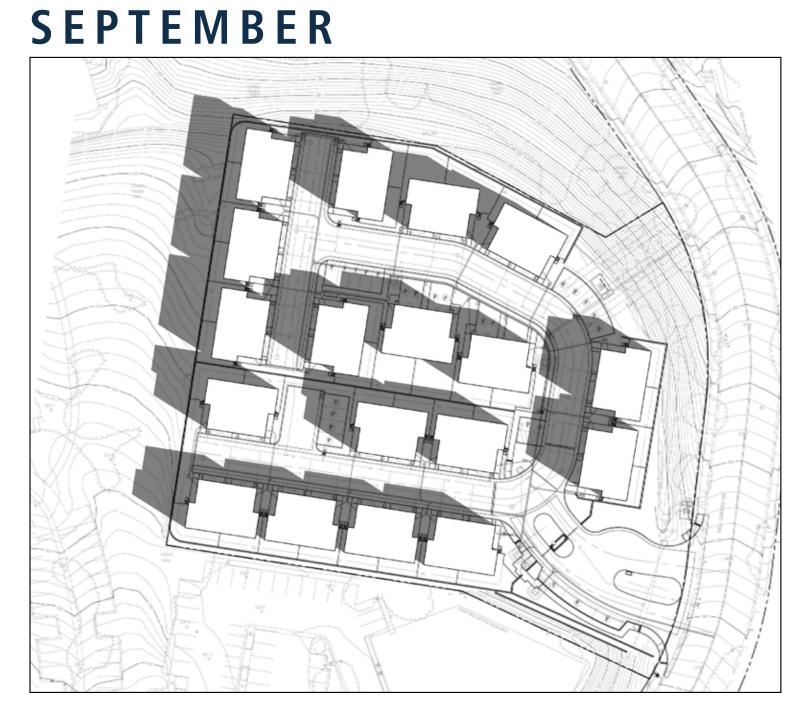


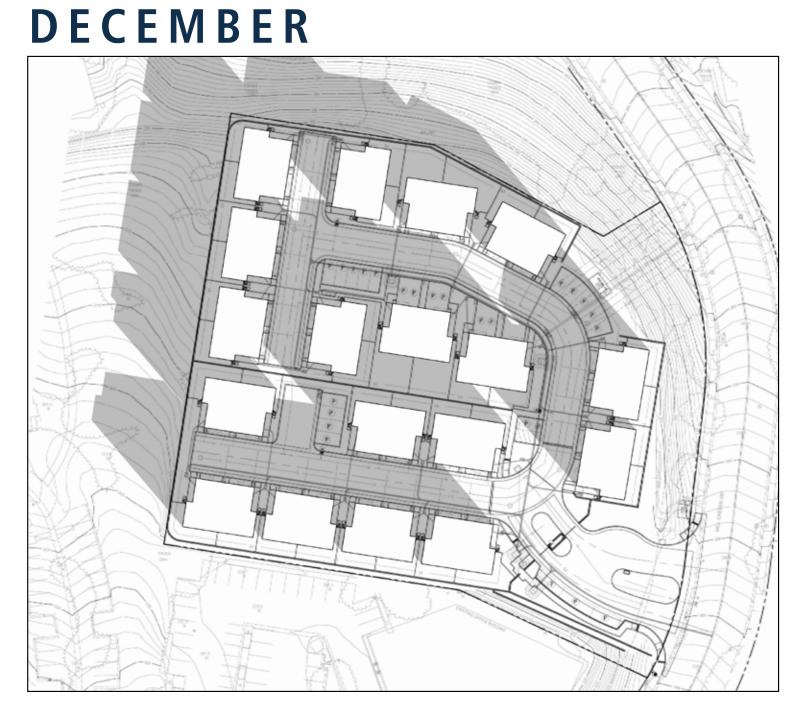


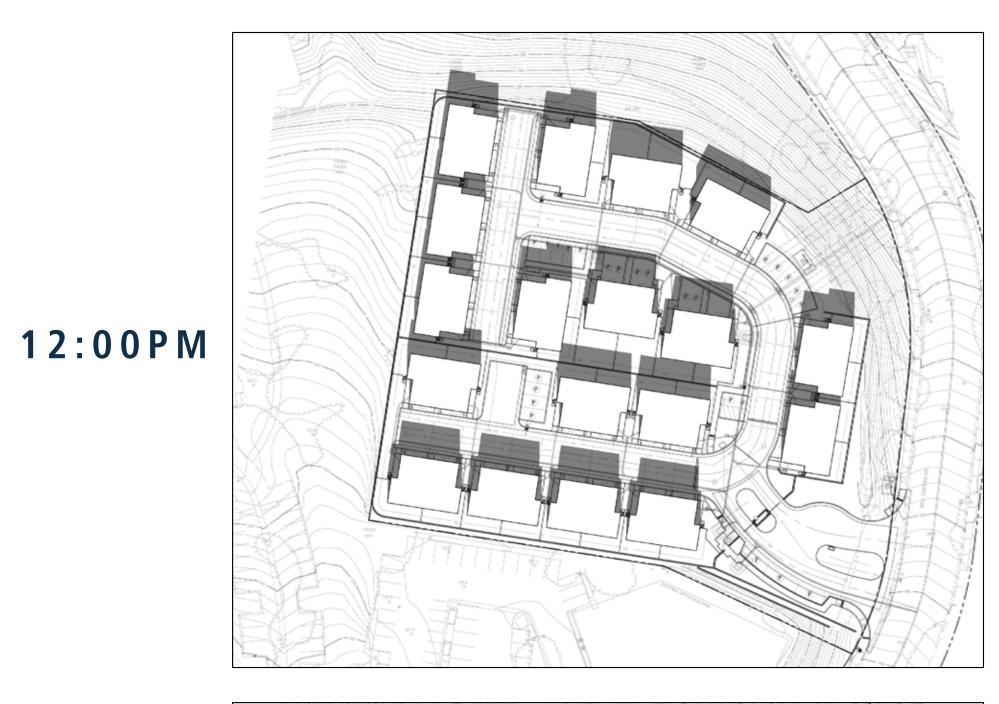


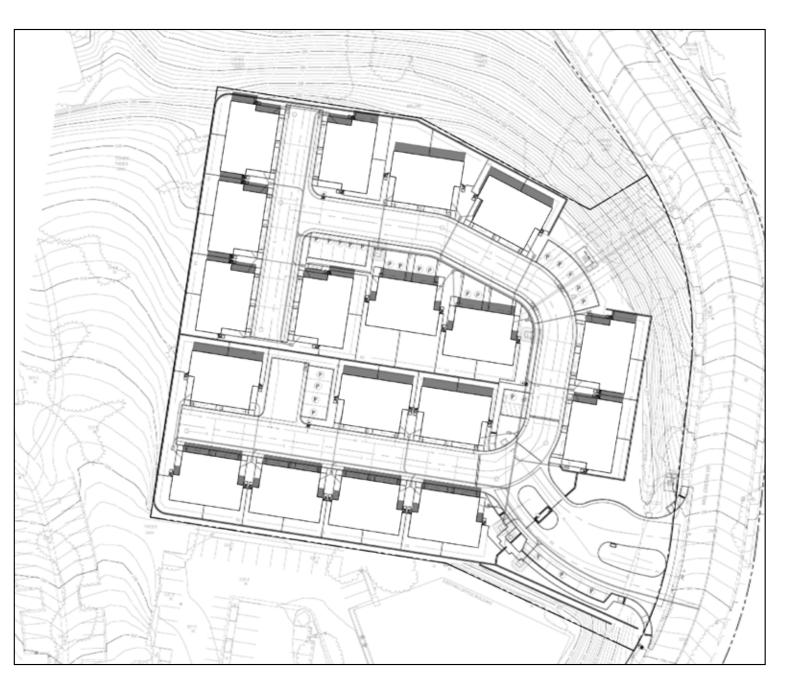
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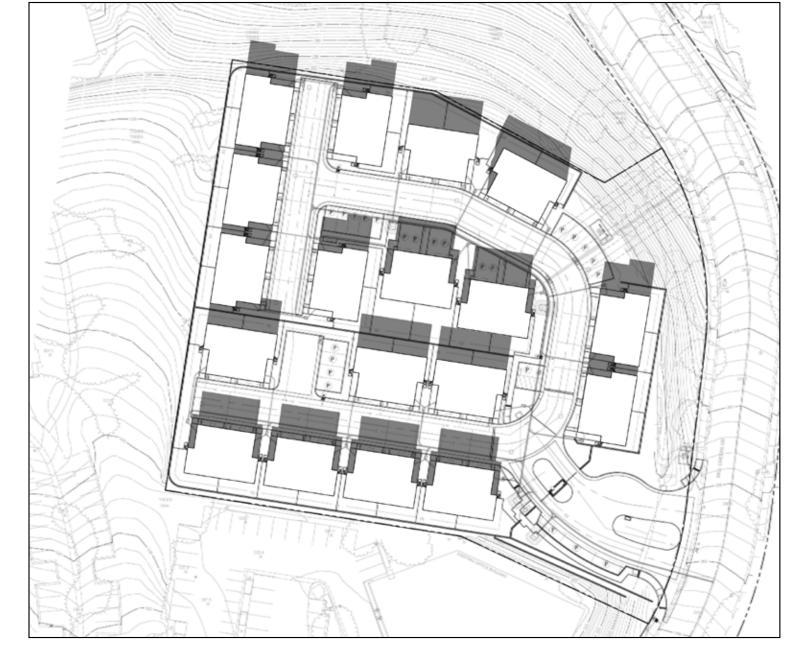




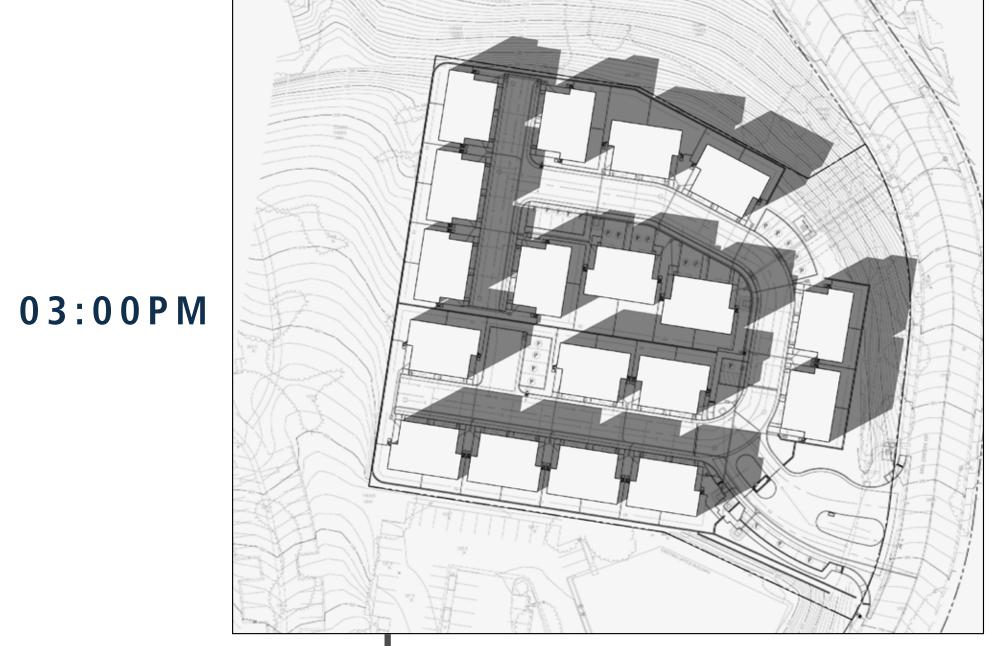






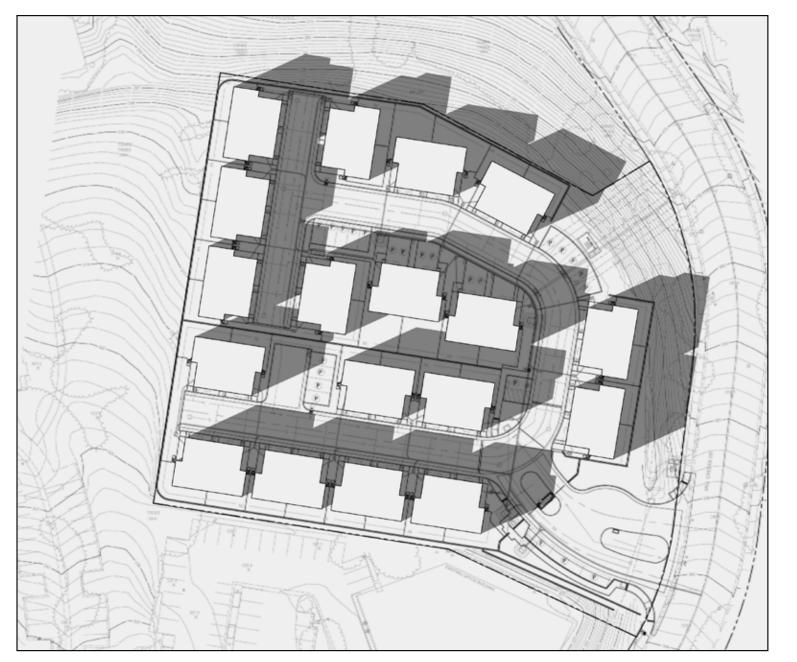






LAGUNA HILLS, CA







Toll Brothers[®]

KHOSHBIN - SHADE STUDY ANALYSIS

LEGEND

LARGE CANOPY TREE [25' CANOPY]

Cercidium 'Desert Museum' Desert Museum Palo Verde Chinese Pistache Pistacia chinensis Western Sycamore Platanus racemosa African Fern Pine Podocarpus gracilior Southern Live Oak Quercus virginiana Ulmus parvifolia True Green Chinese Elm

MEDIUM ACCENT TREE [20' CANOPY]

Eastern Redbud Cercis canadensis Crape Myrtle Lagerstroemia ssp. Olea europaea 'Swan Hill' Platanus acerfolia London Plane Tree African Sumac Searsia lancea

PERIMETER ACCENT TREE [15' CANOPY]

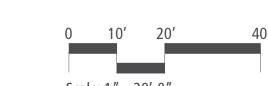
Marina Strawberry Tree Arbutus 'Marina' Sweet Bay Laurus nobilis Brisbane Box Tristania confereta

SMALL ACCENT TREE [10' CANOPY]

Cercis occidentalis Western Redbud Feijoa sellowiana Pineapple Guava Podocarpus elongatus 'Monmal' Icee Blue Podocarpus Podocarpus macrophyllus Fern Podocarpus Prunus caroliniana 'Bright and Tight' Carolina Cherry Laurel

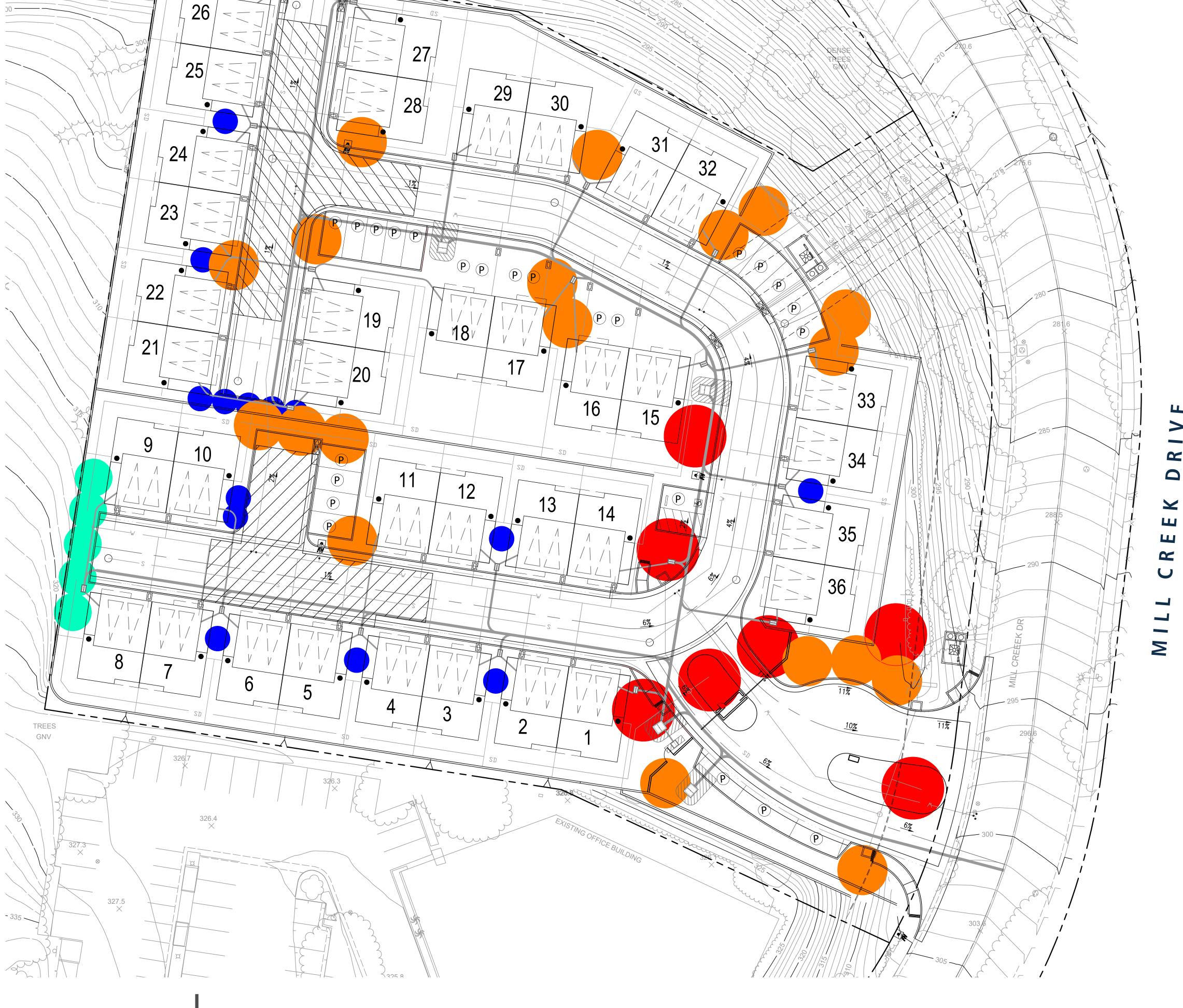


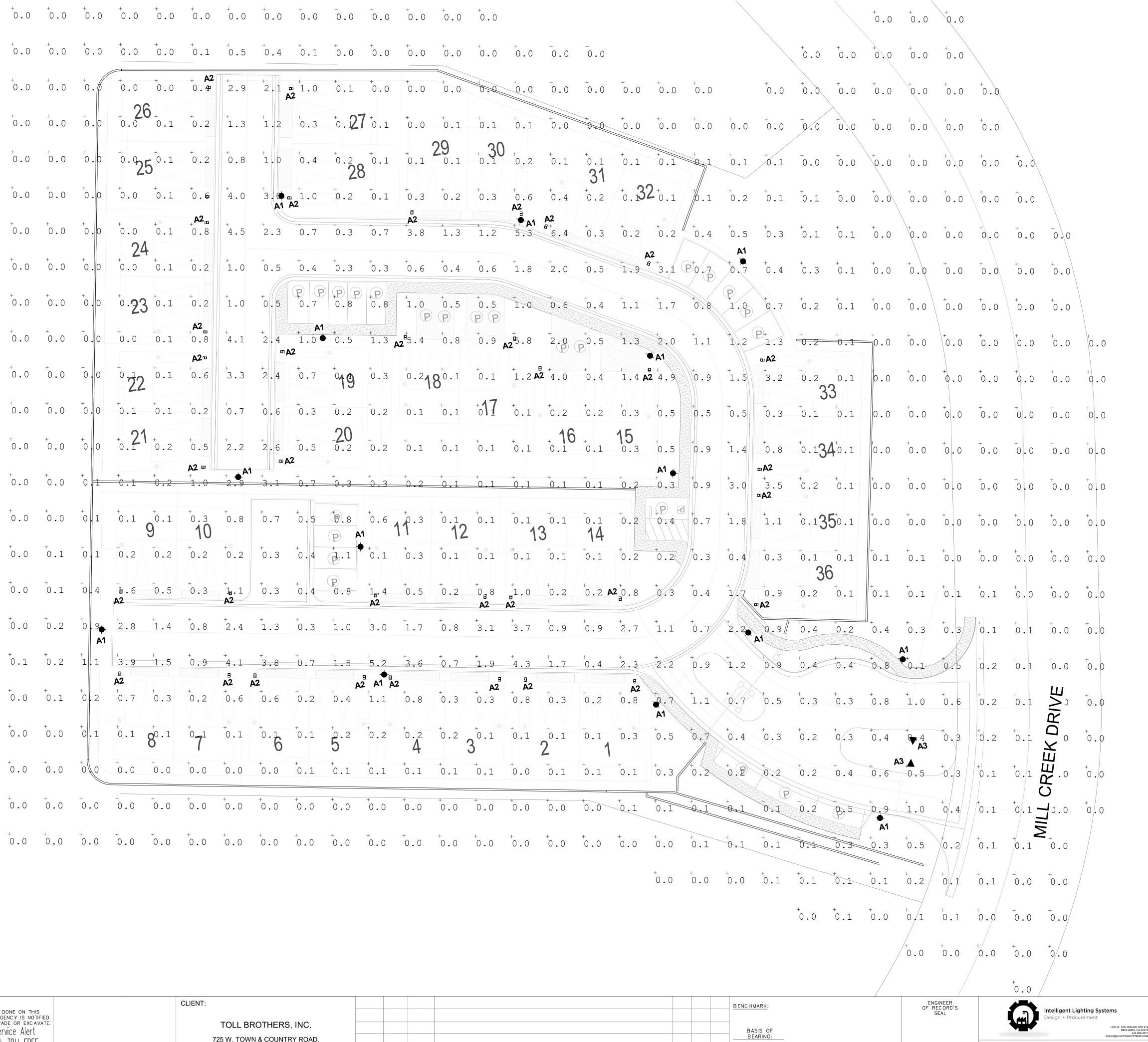




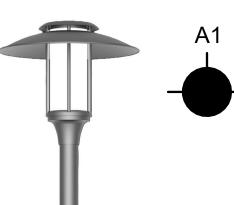








LIGHTING FIXTURE LEGEND



36W LED POST LIGHT ON 16FT POLE TYPE 3 DISTRIBUTION WITH HOUSE SIDE SHIELD 3000K - 3096 LUMENS



BUILDING COACH LIGHT



A3

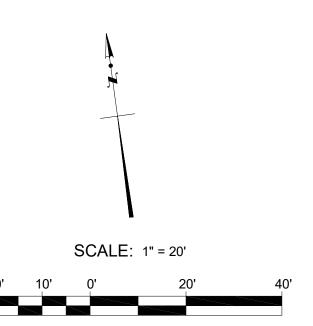
12.6W LED SIGN LIGHT 3000K - 1119 LUMENS

PHOTOMETRIC RESULTS

HOTOMETRIC RESULTS OBTAINED USING A LLF OF 0.9.

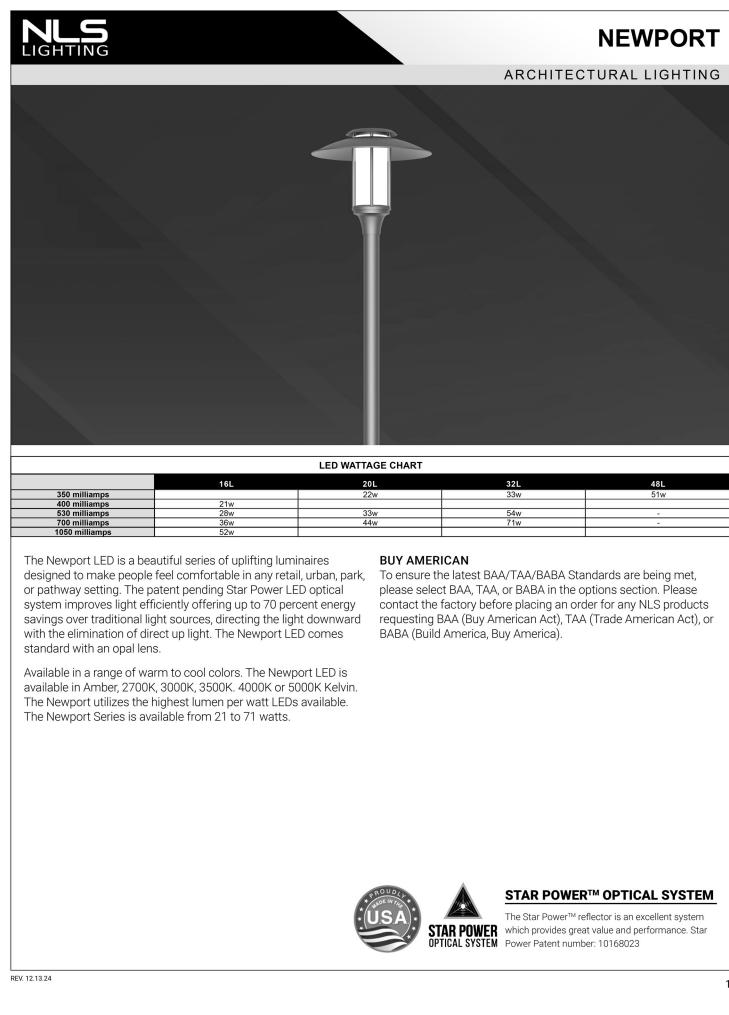
CALCULATION SURFACE	MIN	MAX	AVERAGE
ON-SITE STREETS	0.2 FC	6.1FC	1.35 FC
OVERALL SITE	0.0 FC	6.4 FC	0.44 FC

*OFF-SITE STREET LIGHTING NOT INCLUDED IN CALCULATION.



							0.0		
NO WORK SHALL BE DONE ON THIS SITE UNTIL BELOW AGENCY IS NOTIFIED	CLIENT:				BENCHMARK:	ENGINEER OF RECORD'S SEAL	Intelligent Lighting Systems Design + Procurement	CITY OF LAGUNA HILLS ORANGE COUNTY	ACCT. NO.
NO WORK SHALL BE DONE ON THIS SITE UNTIL BELOW AGENCY IS NOTIFIED OF INTENTION TO GRADE OR EXCAVATE. Underground Service Alert Call: TOLL FREE	TOLL BROTHERS, INC. 725 W. TOWN & COUNTRY ROAD, SUITE 200				BASIS OF BEARING:		1255 W. COLTON AVE STE 619 REDLANDS, CA 92374 424.666.9071 SALES@LIGHTINGSYSTEMS.COM PLANS PREPARED UNDER THE SUPERVISION OF:	KHOSHBIN	
1-800 227-2600	SUITE 200 ORANGE, CA 92868 TEL: (949) 297-3850	MARK DATE INITIAL	DESC RIPTION	DEC ADDR DATE	_		UNDER THE SUPERVISION OF.	LAGUNA HILLS, CA PHOTOMETRIC SITE PLAN	SHEET EP1 OF 2
TWO WORKING DAYS BEFORE YOU DIG		E.O.R.	REVISION	REC. APPR DATE			NAME R.C.E. # EXP. DATE	W.O	CITI I. D. INC.

FIXTURE TYPE A1



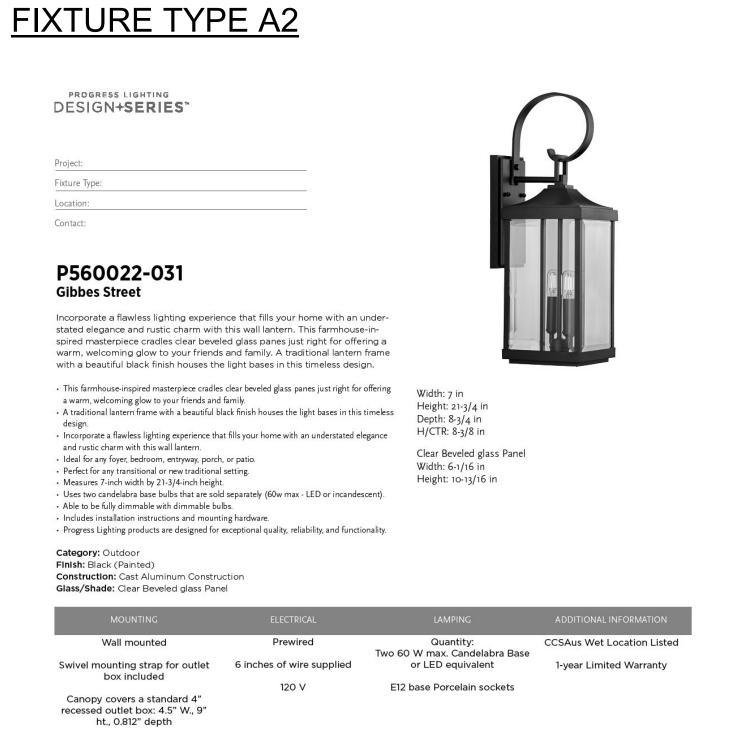
		0			
NEWPORT Cat#	ORDERING Shade	# of Bars	Light Dist.	# of LEDs	Miliamps
Newport 1 (NWP-1)	Shade 1 (S1) Shade 2 (S2) Shade 3 (S3)	2 Bar Mounting (2B) 4 Bar Mounting (4B)	Type 3 (T3) Type 5 (T5)	16 (16L) 20 (20L) ¹ 32 (32L) 48 (48L) ²	350 (35) 400 (40) ⁷ 530 (53) 700 (7) 1050 (1) ⁷
Kelvin	Volts	Mounting	Color	Controls Options	Options
Amber 586-600nM (AMBER) 9, 11, 12 2700K, 70 CRI (27K7) 2700K, 80 CRI (27K8) 3 3000K, 70 CRI (30K7) 3000K, 80 CRI (30K8) 3 3500K, 80 CRI (35K8) 3 4000K, 70 CRI (40K7) 4000K, 80 CRI (40K8) 3 5000K, 70 CRI (50K7) 5000K, 80 CRI (50K7) 5000K, 80 CRI (50K8) 3	120-277 (UNV)	Post Top Over 3" OD (PT3) 4	Bronze Textured (BRZ) White Textured (WHT) Smooth White Gloss (SWT) Silver Metallic (SVR) Black Textured (BLK) Smooth Black Gloss (SBK) Graphite Textured (GPH) Grey Textured (GRY) Green Textured (GRN) Hunter Green Textured (HGN) Custom (CS)	Custom Controls Integration (CCI) 8 Button Type Photocell (PC) 5	Marine Grade Finish (MGF) Decorative Band (DB) Clear Lens (CL) 6 Buy American Act (BAA) 10 Trade Agreement Act (TAA) 10 Build America Buy America (BABA) 10
1. Type 3 Only 2. 350mA Max 3. Consult Factory for Lead 4. Consult Factory for othe 5. Universal Voltage 120-2: 6. Clear Lens utilizes (DB) I 7. 16L Only 8. Please contact Factory f	r provisions. 77 Decorative Band option for Custom Control Integrati restron, DMX/RDM, Synaps systems) AA/TAA/BABA requests I Time	ion requests			
NLS 701 K	(ingshill Place, Carson, C Is Today (310) 341-2037	CA 90746			nlslighting.com

NO WORK SHALL BE DONE ON THIS SITE UNTIL BELOW AGENCY IS NOTIFIED

Underground Service Alert

TWO WORKING DAYS BEFORE YOU DIG

OF INTENTION MIRE FRANCE FEED WITH Carolina 29607



CLIENT:

www.progresslighting.com TOLL BROTHERS, INC.

725 W. TOWN & COUNTRY ROAD, SUITE 200 ORANGE, CA 92868 TEL: (949) 297-3850

MARK DATE | INITIAL |

E.O.R.

DESCRIPTION

REVISION



C-Series LED 16221-16222 C-Series LED

120V-277V LED Small Flood, 12W & 23W



Kichler's 120V-277V LED flood lighting fixtures are designed for outdoor lighting applications requiring uniform light sources, with long life, and little maintenance requirements.

CONSTRUCTION

Die-cast aluminum construction with durable polyester powder coating. Vandal resistant hardware, reinforced knuckle design, a water draining front end with an integrated cowl.

(4kV) comes standard.

ETL listed to UL and CSA Standards for 120V-277 VAC (50/60 Hz), and suitable for wet locations. Integrated surge protection

BENCHMARK:

REC. APPR DATE

BASIS OF

BEARING:

Utilizes a single LED chip-on-board light source that provides for center-to-edge uniformity and enhances beam control. NEMA 6 x 5 wide flood. Three-step binning for tight color consistency.

LISTINGS

ETL wet label listed to UL and CSA Standards. IP66 rated. FCC compliant.

ORDERING MATRIX (Model # +Finish & CCT Codes) & LUMEN INFORMATION

The standard model is the Knuckle Mount Fixture. For Slip Fit or Trunnion, add SL or TR respectively.

Model #	Finish	CCT (30 / 40)	Mount	Wattage	CRI	Lumen	Lm/W	L70 (hrs)
*16221	AZT or BKT	3000K	Knuckle	12.6	80 (+)	1119	89	60,000
*16221	AZT or BKT	4000K	Knuckle	12.0	80 (+)	1210	100	60,000
16222	AZT or BKT	3000K	Knuckle	23.8	80 (+)	2049	86	60,000
16222	AZT or BKT	4000K	Knuckle	23.4	80 (+)	2082	89	60,000



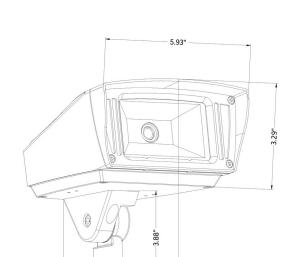
*DLC Qualified Products. For the most current listing, visit www.designlights.org

Example: 16221BKT40 is model 16221 in Textured Black, 4000K (to then change from knuckle to Slip Mount, add SL after 40) Each model is available with a finish in BKT - Textured Black or AZT - Textured Architectural Bronze

KICHLER.

120V-277V LED Small Flood, 12W & 23W

DIMENSIONS



1

INCLUDED ACCESSORIES Three (3) King Innovation Gel-Filled twist-on wire connectors

ACCESSORIES

Ordered & shipped separately (for knuckle only) **15645 AZT, BKT** - 6" Stem **15656 AZT, BKT** - 12" Stem aluminum alloy with **15657 AZT, BKT** - 18" Stem baked thermoset

15658 AZT, BKT - 24" Stem powder coating. 15276 BKT - Power Post: A Fast, One-Step Connector Made of Impact / Corrosion Resistant PVC 2.25" Inside Diameter to Accommodate Conduits

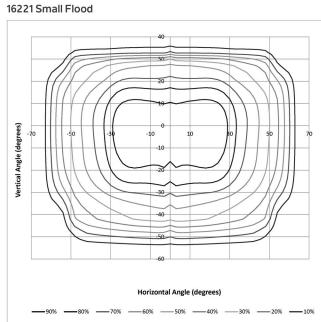
of Different Sizes Accepts .50 NPSM Thread

Designed For 120V-277V Line Voltage Landscape Lighting, Eliminating Need For Above or Below Ground Boxes. Built-in Stabilizer Removes Need For Concrete

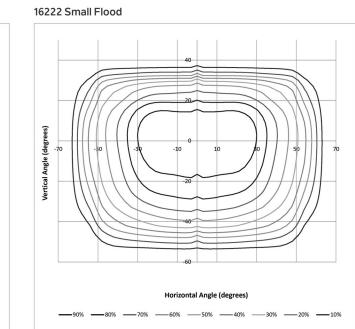
15601 AZT, BKT - Cast Aluminum Surface Mounting Flange with Bronze or Black Finish, Neoprene Gasket For Watertight Seal

15609 AZT, BKT - Junction Box Mounting Bracket Corrosion Resistant Cast Aluminum Alloy with Baked Thermoset Bronze or Black Powder Coat Finish

PHOTOMETRIC DIAGRAMS



16221BKT30 shown (1000 Lumens)



16222BKT30 shown (2000 Lumens)

ENGINEER OF RECORD'S SEAL Intelligent Lighting Systems Design + Procurement		CITY OF LAGUNA HILLS ORANGE COUNTY	ACCT. NO.
	1255 W. COLTON AVE STE 619 REDLANDS, CA 92374 424 669 9071 SALES@ILIGHTINSSYSTEMS.COM	KHOSHBIN	
	PLANS PREPARED UNDER THE SUPERVISION OF:	LAGUNA HILLS, CA	500
		FIXTURE CUT SHEETS	SHEET EP2 OF 2
	NAME R.C.E. # EXP. DATE	FOR: W.O CITY	Y I. D. NO.



VIEW A - PROJECT ENTRY



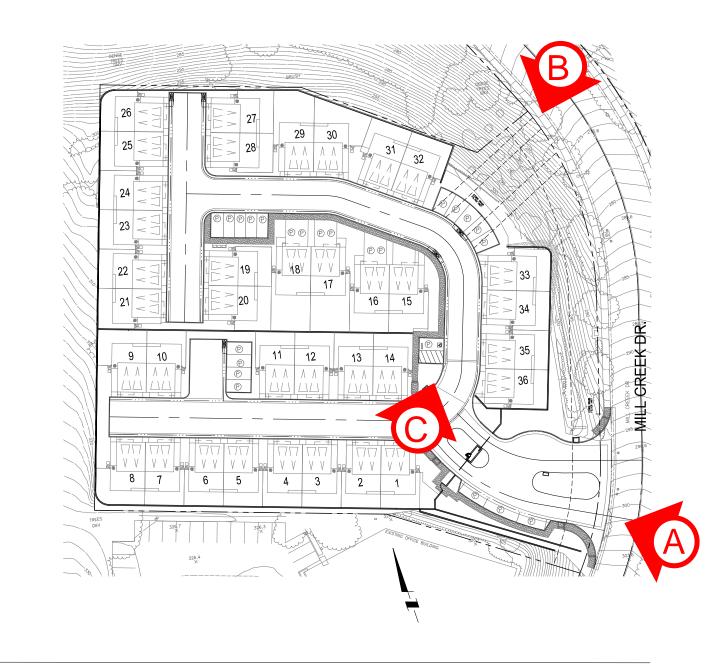
VIEW B - MILL CREEK DRIVE



COLOR RENDERINGS

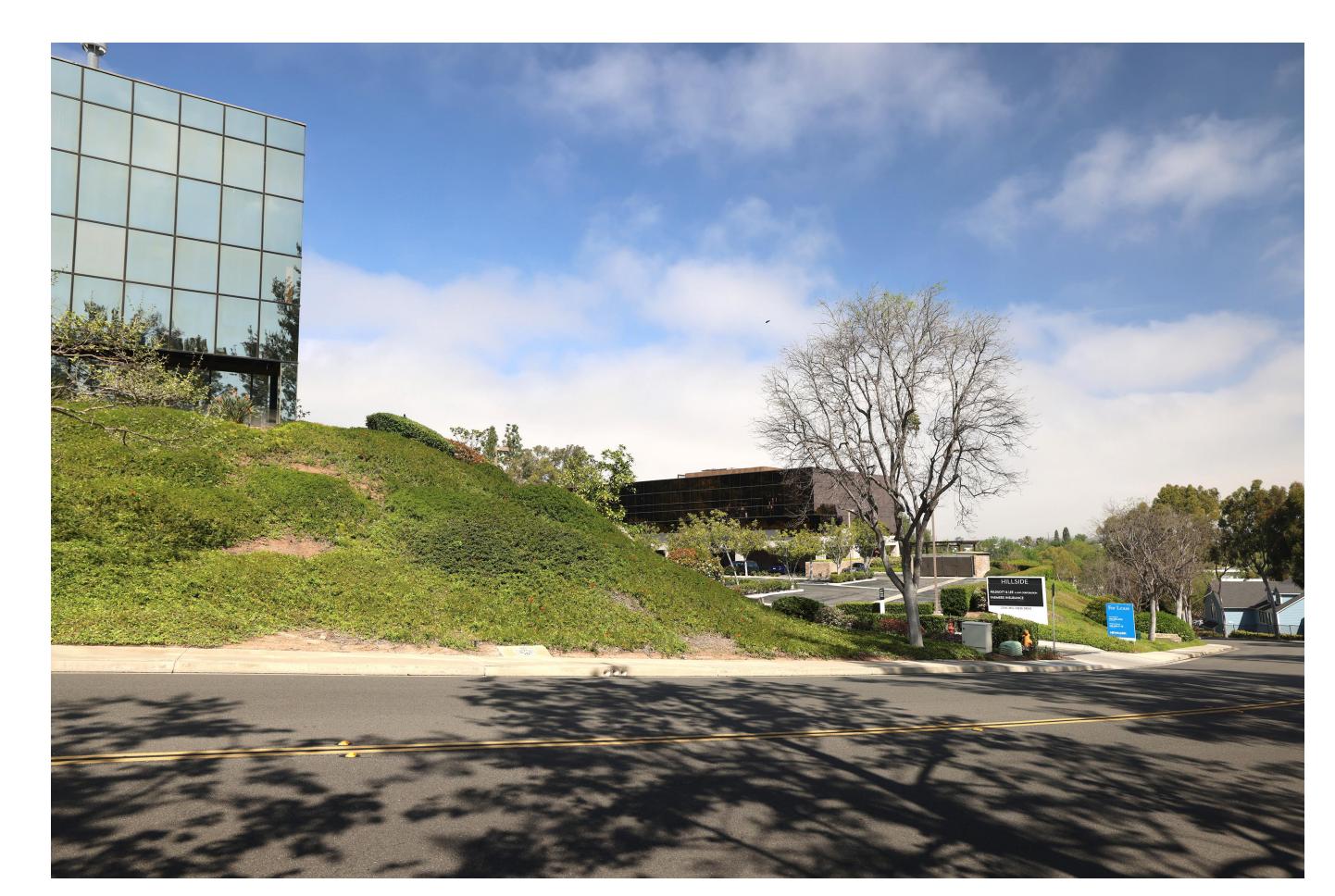


VIEW C - PRIVATE WAY





VIEW A1 - PROJECT ENTRY EXISTING



VIEW A4 - PROJECT ENTRY EXISTING



VIEW A1 - PROJECT ENTRY PROPOSED



VIEW A4 - PROJECT ENTRY PROPOSED



COLOR RENDERINGS (EXISTING AND PROPOSED)



VIEW B2 - PROJECT FRONTAGE EXISTING



VIEW D2 - PROJECT SIDE EXISTING



VIEW B2 - PROJECT FRONTAGE PROPOSED

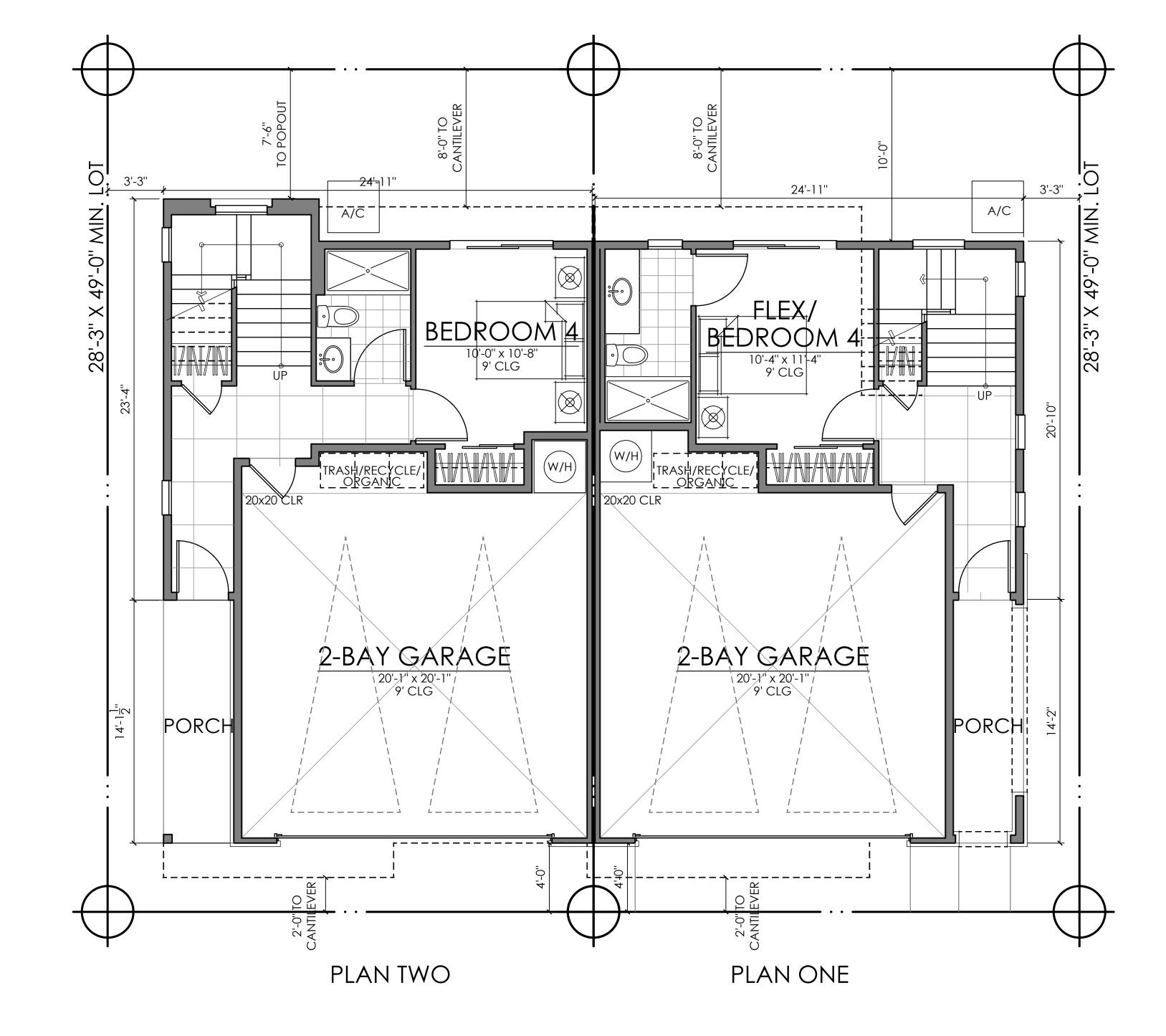


VIEW D2 - PROJECT SIDE PROPOSED



COLOR RENDERINGS (EXISTING AND PROPOSED)





PLAN TWO

LOWER LEVEL 378 SQ. FT.

MAIN LEVEL 776 SQ. FT.

UPPER LEVEL 879 SQ. FT.

TOTAL LIVING 2033 SQ. FT.

GARAGE 450 SQ.FT.

PLAN ONE

LOWER LEVEL 363 SQ. FT.

MAIN LEVEL 770 SQ. FT.

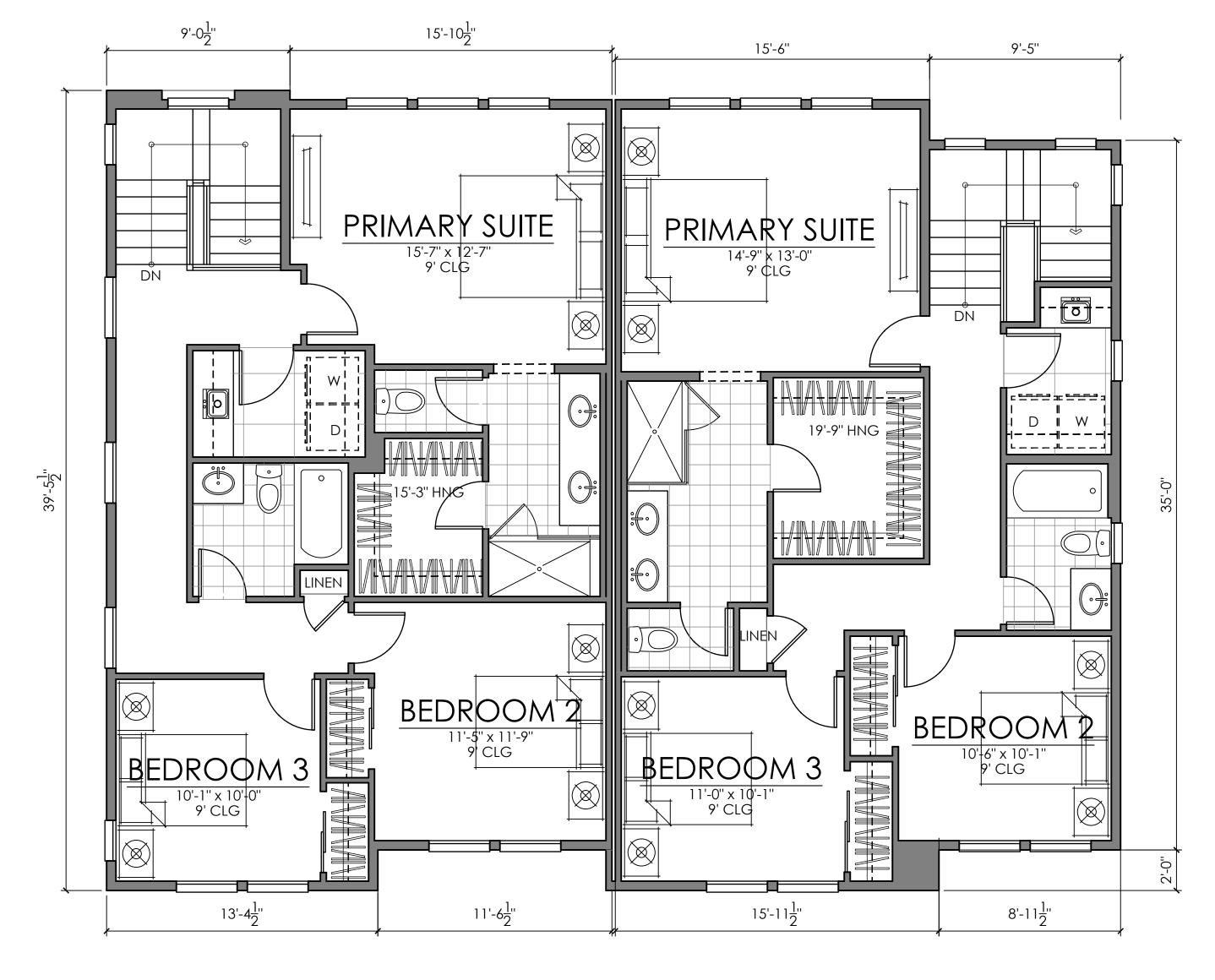
UPPER LEVEL 858 SQ. FT.

TOTAL LIVING 1991 SQ. FT.

GARAGE 446 SQ.FT.

DUETS





PLAN TWO

PLAN ONE

PLAN TWO			PLAN ONE	
LOWER LEVEL	378 SQ. FT.		LOWER LEVEL	363 SQ. FT.
MAIN LEVEL	776 SQ. FT.		MAIN LEVEL	770 SQ. FT.
UPPER LEVEL	879 SQ. FT.		UPPER LEVEL	858 SQ. FT.
TOTAL LIVING	2033 SQ. FT.		TOTAL LIVING	1991 SQ. FT.
GARAGE	450 SQ.FT.	DUETO	GARAGE	446 SQ.FT.
		DUETS		



MATERIAL NOTES:

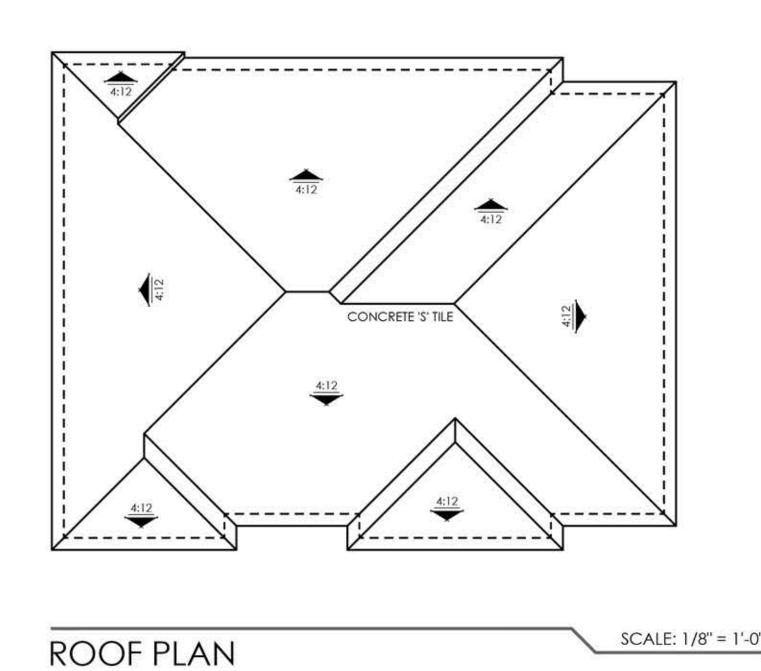
- 1. 'S' TILE ROOF
- 2. STUCCO BODY
- 3. STUCCO OVER FOAM WINDOW TRIM
- 4. DECORATIVE CORBELS
- 5. CULTURED STONE VENEER
- 6. COACH LIGHT & ADDRESS



DUETS ELEVATIONS



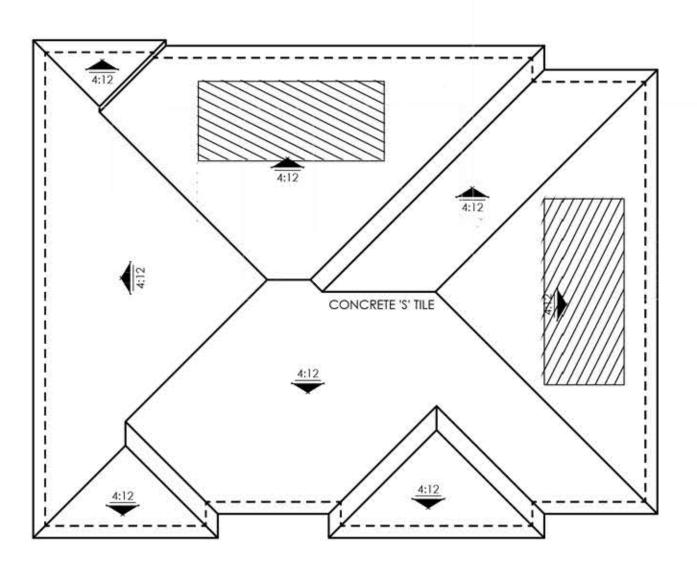
03.12.25



03.12.25



SCALE: 1/4" = 1'-0" LEFT ELEVATION



ROOF PLAN WITH SOLAR

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



RIGHT ELEVATION

woodley architectural group,inc

23161 MILL CREEK DRIVE | TOLL BROTHERS

DUETS ELEVATIONS

Solar Panel Assessment - 23161 Mill Creek

My Location Anguna hills, co Separate S

Home Size = ~ 2,000 sq. ft. – Home Electricity Consumption: 6,677 kWh/yr using NREL Data →

Title 24 Estimation: Photovoltaic Sizing 3.2 kW (8 panels) producing 5,300 kWh/yr yielding ~ 80% Offset Systems installed on south & west roofs for T24 Compliance per CA Energy Comm.



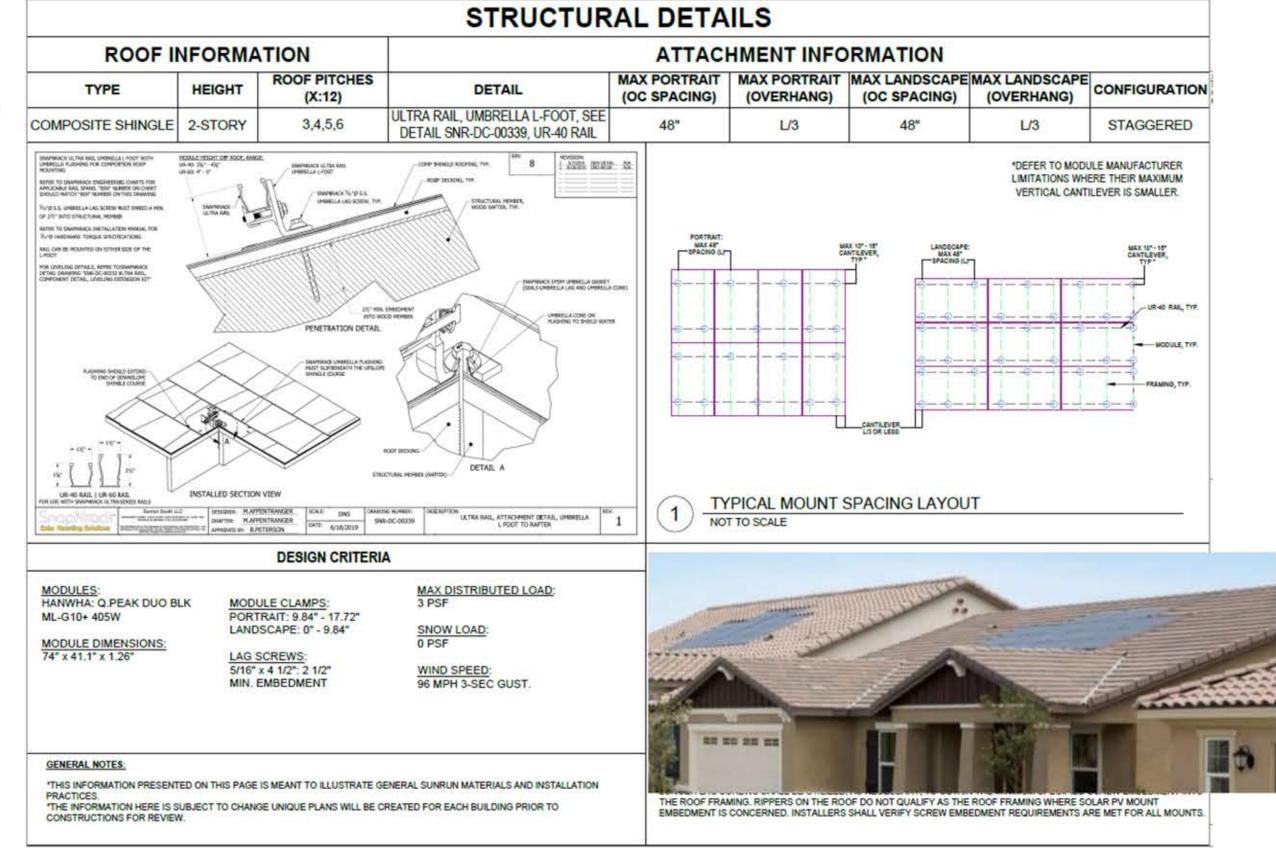






Addison Marks
New Homes Sales Director Sunrun Corp.

Sample INSET Installation On Comp Pad



SOLAR PANEL ASSESSMENT

woodley architectural group,inc colorado // 731 southpark dr. suite B littleton, co 80120 / 303 683.7231 california // 2943 pullman st. suite A santa ana, ca 92705 / 949 553.8919

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03.12.25



Therma Tru

Driftwood

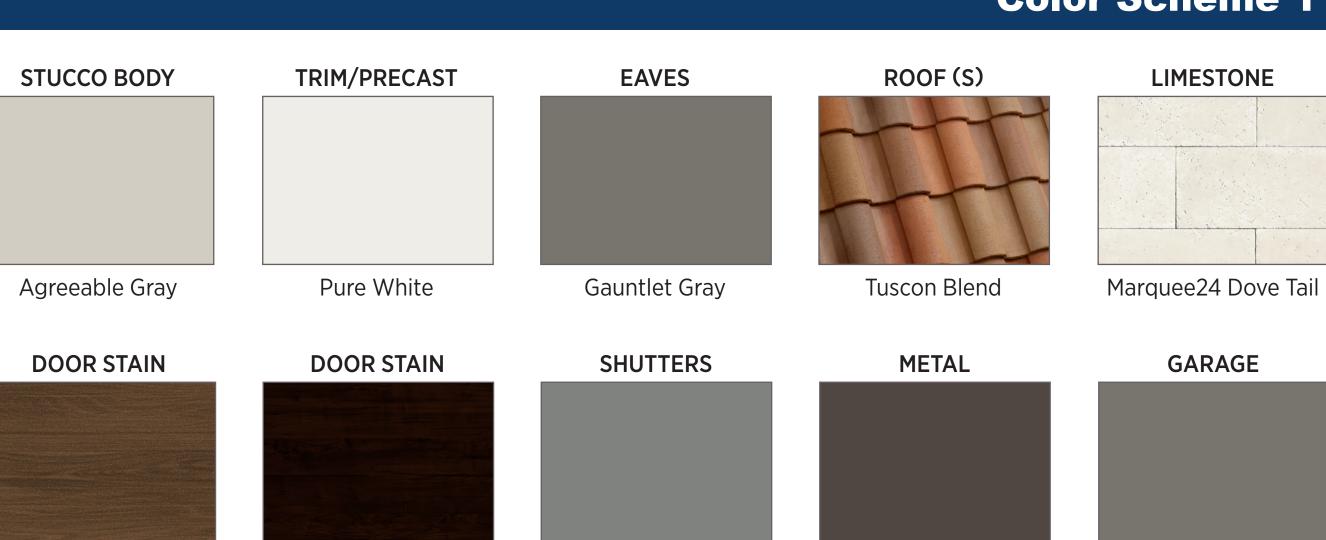
Jeld-Wen

Ebony

Mediterranean Elevation Color Schemes

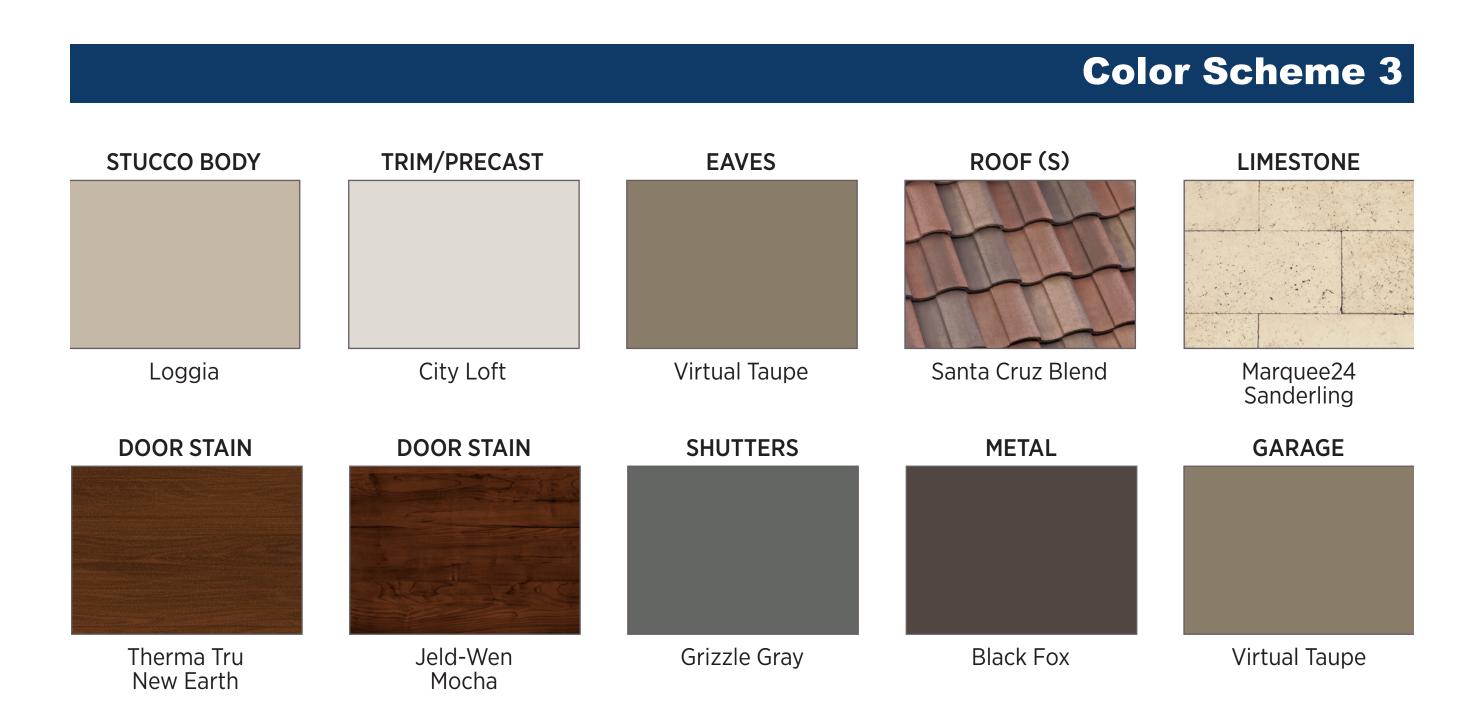
Color Scheme 1

Gauntlet Gray



Cityscape

Black Fox



Color Scheme 2 STUCCO BODY TRIM/PRECAST **EAVES** ROOF(S) **LIMESTONE** Relaxed Khaki Foothills Santa Cruz Blend Marquee24 Dove Tail Creamy **GARAGE DOOR STAIN DOOR STAIN SHUTTERS METAL** Black Fox Foothills Therma Tru Jeld-Wen Web Gray New Earth Mocha

