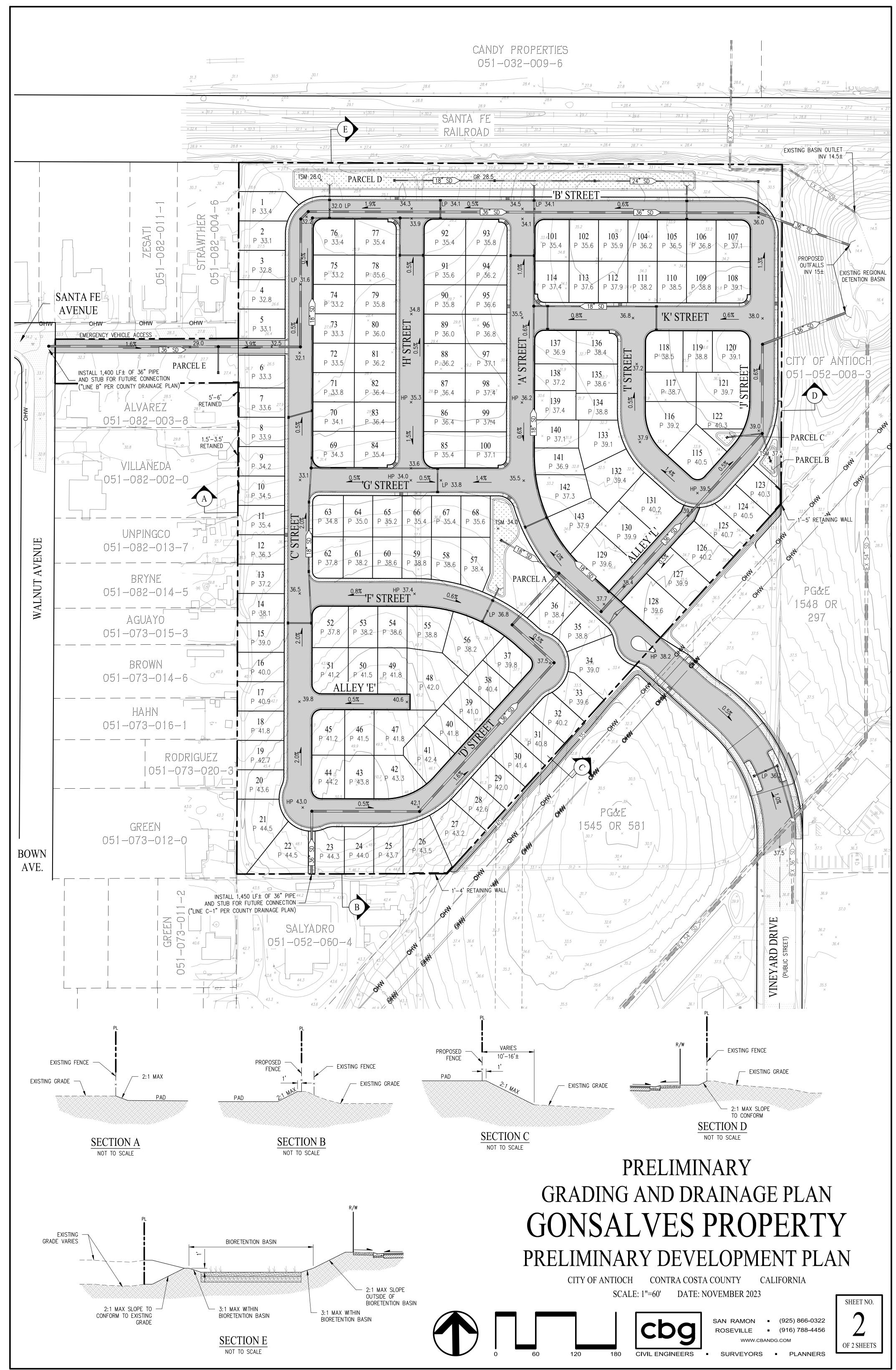
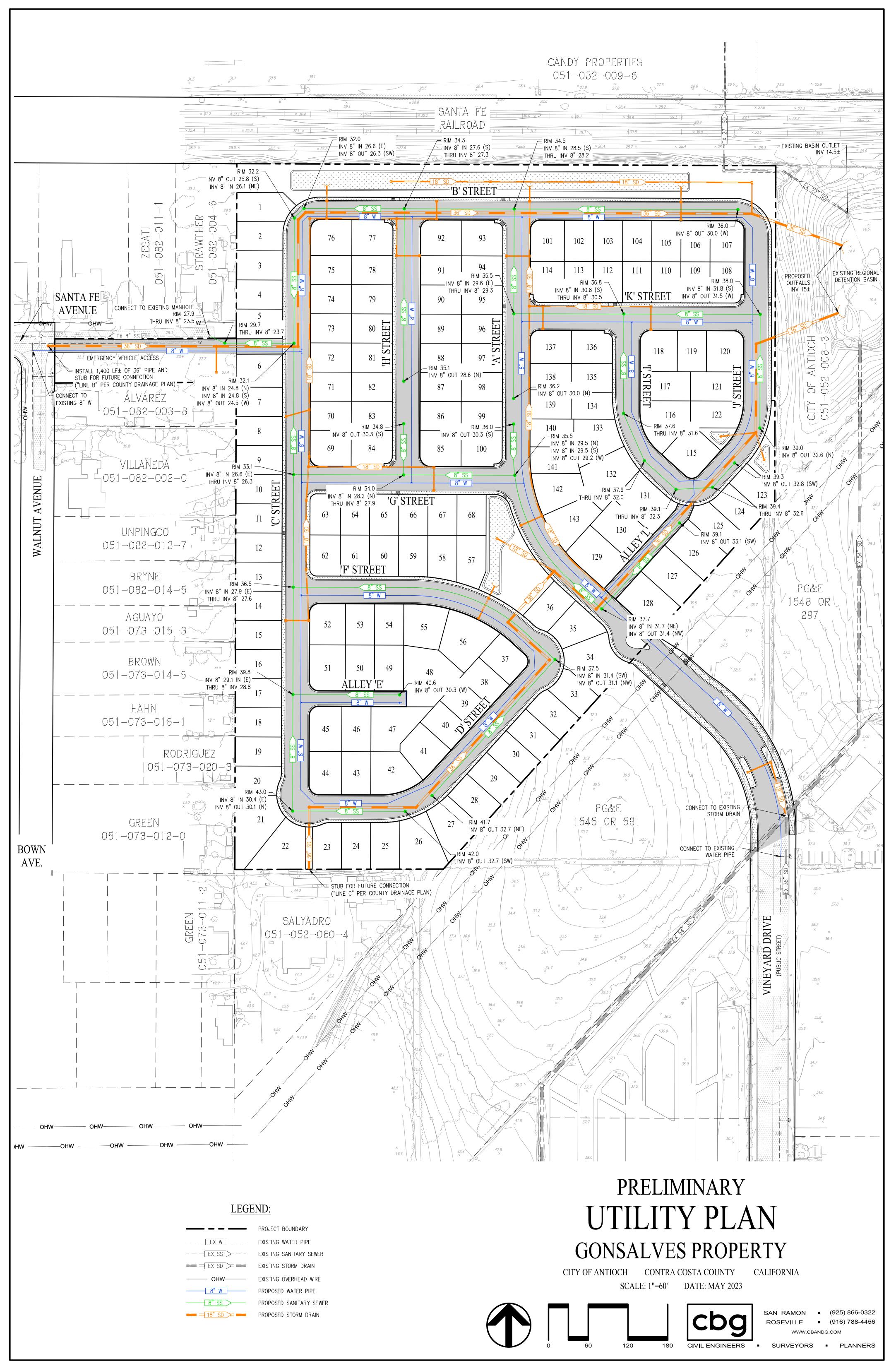


H:\3601-000\ACAD\PDP\SITE PLAN.DWG



H:\3601-000\ACAD\PDP\GRADING AND DRAINAGE PLAN.DWG



H:\3601-000\ACAD\EXHIBITS\XB_OVERALL UTILITY PLAN.DWG



PLANTING NOTES

- 1. THE PLANTING DESIGN FOR THE SITE IS DROUGHT TOLERANT AND CONSISTS OF A BALANCE OF EVERGREEN AND DECIDUOUS PLANTING AS WELL AS NATIVE AND ORNAMENTAL PLANTING.
- ALL SHRUBS AND GROUNDCOVER MATERIAL SELECTED HAVE A WUCOLS WATER USE RATING OF VERY LOW TO MODERATE.
- UTILITY METERS, TRANSFORMERS AND OTHER SERVICES ELEMENTS SHALL BE SCREENED WITH PLANT MATERIAL WHERE POSSIBLE PER EAST LONE TREE SPECIFIC PLAN.
- 4. TREES, SHRUBS AND GROUNDCOVERS SHALL BE PROTECTED FROM VEHICULAR ENCROACHMENT BY CURBS PER CITY ODS 3.3.1.G.
- 5. TREES, SHRUBS AND GROUNDCOVERS SHALL NOT INTERFERE WITH SITE LIGHTING OR RESTRICT EMERGENCY ACCESS TO FIRE HYDRANTS OR FIRE ALARM BOXES PER CITY ODS 3.3.1.H.
- PROPOSED TREE LOCATIONS ARE BASED ON STANDARD JOINT TRENCH LOCATIONS. FINAL TREE LOCATIONS TO BE DETERMINED WHEN FINAL UTILITY LOCATIONS ARE PROVIDED. TREE PLACEMENT MAY BE ADJUSTED AND FINAL TREE COUNT MAY CHANGE.
- TREES AND LARGE SHRUBS SHALL NOT BE LOCATED UNDER OVERHEAD LINES OR ON UNDERGROUND UTILITIES. TREES AND LARGE SHRUBS SHALL BE LOCATED:

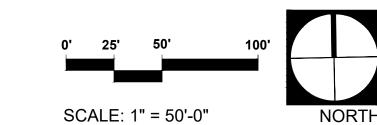
 a. 6' MINIMUM FROM EDGE OF DRIVEWAY, WATER METER, GAS METER AND SEWER LATERALS.
 b. 20' MINIMUM FROM BEGINNING OF CURB RETURNS AT INTERSECTIONS.
 c. 15' MINIMUM FROM UTILITY POLES AND STREETLIGHTS.
 d. 8' MINIMUM FROM FIRE HYDRANTS, SPRINKLER AND STANDPIPE CONNECTIONS.
- 8. TREES PLANTED WITHIN 10' OF PAVEMENT SHALL HAVE ROOT BARRIER INSTALLED PER CITY ODS 3.3.1.I.
- 9. PROPOSED TREE CANOPIES ARE SHOWN AT 85% MATURE GROWTH DIAMETER IN ORDER TO ENSURE THERE IS SUFFICIENT ROOM FOR TREE GROWTH AND HEALTH.
- 10. PROPOSED TREES SHALL BE INSTALLED SECURELY WITH DOUBLE STAKING PER CITY ODS 3.3.1.I.

PROPOSED TREE LEGEND **BOTANICAL NAME COMMON NAME** ACER R. 'REDPOINTE' REDPOINTE MAPLE ARBUTUS X 'MARINA' MADRONE CERCIS OCCIDENTALIS ∞ WESTERN REDBUD MAIDENHAIR TREE GINKGO B. 'PRINCETON SENTRY' LAGERSTROEMIA I. 'MUSKOGEE' CRAPE MYRTLE LAURUS X 'SARATOGA' $\bigcirc K \lessdot$ SWEET BAY PISTACIA C. 'KEITH DAVEY' CHINESE PISTACHE 0 QUERCUS ILEX HOLLY OAK TILIA C. 'GREENSPIRE' LITTLELEAF LINDEN ZELKOVA S. 'CITY SPRITE' JAPANESE ZELKOVA

NOTES:

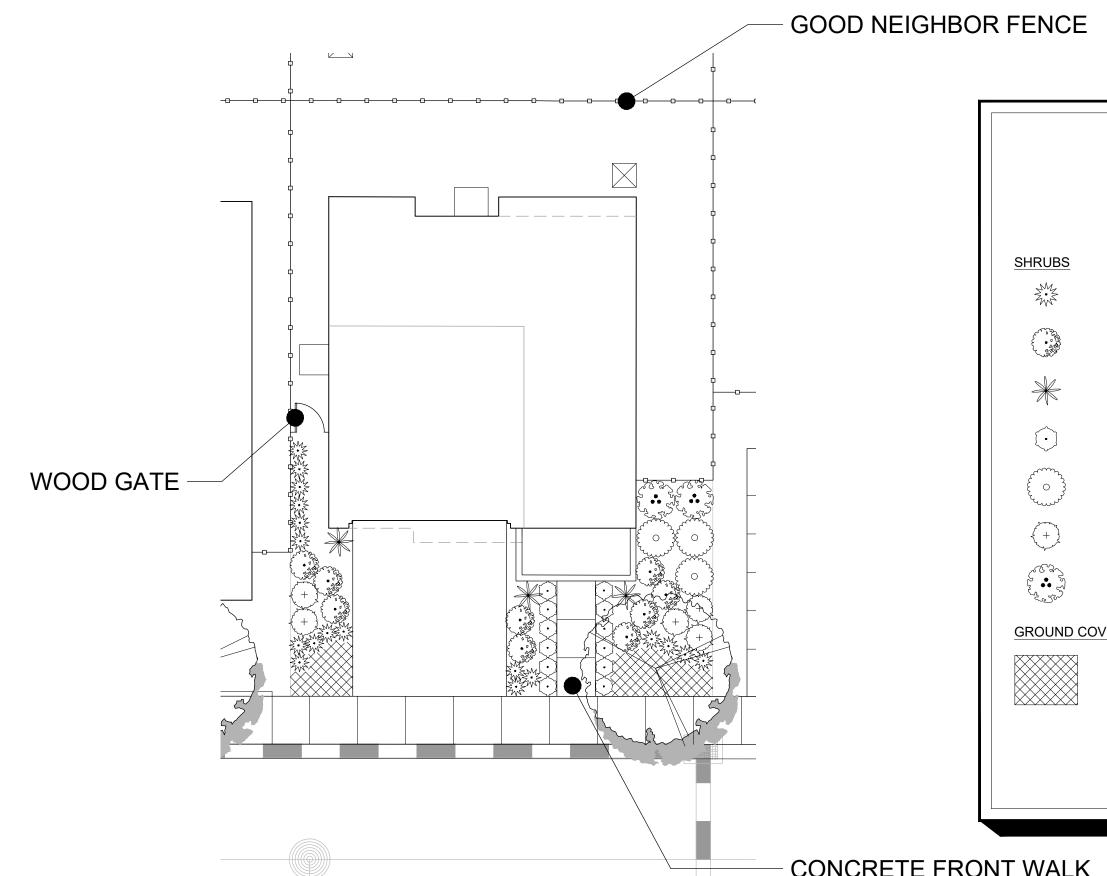
- SEE SHEET L-2 FOR COMPLETE PLANT PALETTE INCLUDING PROPOSED TREES, SHRUBS, GROUNDCOVERS, GRASSES, BIORETENTION PLANTING, AND TURF. COMPLETE PLANT PALETTE IDENTIFIES BOTANICAL NAME, COMMON NAME, WATER USE, SPECIES NATIVE OR ADAPTIVE, CONTAINER SIZE, AND HEIGHT AND WIDTH OF PROPOSED PLANT MATERIAL.
- LANDSCAPED AREAS SHALL INCORPORATE PLANTINGS UTILIZING THREE-TIER SYSTEM: (1) GRASSES AND GROUNDCOVERS, (2) SHRUBS AND VINES, AND (3) TREES PER CITY OF ANTIOCH ODS 3.3.1.C.

MWELO STATEMENT OF COMPLIANCE "I HAVE COMPLIED WITH THE CRITERIA OF THE CITY OF ANTIOCH WATER EFFICIENT LANDSCAPING ORDINANCE AND APPLIED THEM ACCORDINGLY FOR THE EFFICIENT USE OF WATER IN THE LANDSCAPE AND IRRIGATION DESIGN PLAN." PHILIP A. VANDERTOOLEN, PRESIDENT VANDERTOOLEN ASSOCIATES, INC. CA LICENSE # 2798





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TYPICAL FRONT YARD SHRUB & GROUNDCOVER LEGEND

	BOTANICAL NAME	COMMON NAME	SIZE	WATER USE	<u>NATIVE/</u> ADAPTIVE	НХW	TIER*
				WATER OOL		117(11)	
	CALAMAGROSTIS X ACUTIFLORA `KARL FOERSTER`	FEATHER REED GRASS	1 GAL	LOW	A	3' X 2'	1
	CALLISTEMON C. `LITTLE JOHN`	DWARF BOTTLE BRUSH	5 GAL	LOW	A	3' X 3'	2
	CHONDROPETALUM TECTORUM	CAPE RUSH	5 GAL	LOW	А	3' X 3'	1
	PENSTEMON H. `MARGARITA BOP`	BEARD TONGUE	1 GAL	LOW	Ν	2' X 2'	1
	PITTOSPORUM T. `WHEELER`S DWARF`	DWARF PITTOSPORUM	5 GAL	LOW	A	3' X 4'	2
	SALVIA LEUCANTHA `SANTA BARBARA`	MEXICAN BUSH SAGE	1 GAL	LOW	A	3' X 3'	2
	WESTRINGIA FRUTICOSA	COAST ROSEMARY	5 GAL	LOW	A	5' X 8'	2
COVERS							
	MYOPORUM PARVIFOLIUM	TRAILING MYOPORUM	1 GAL	LOW	A	6" X 5'	1
	NOTE						

NOTE:

LANDSCAPED AREAS SHALL INCORPORATE PLANTINGS UTILIZING THREE-TIER SYSTEM: (1) GRASSES AND GROUNDCOVERS, (2) SHRUBS AND VINES, AND (3) TREES PER CITY OF ANTIOCH ODS 3.3.1.C.

CONCRETE FRONT WALK

SCALE: 1" = 20'-0"

DL	BOTANICAL NAME	COMMON NAME W	ATER USE	NATIVE/ ADAPTIVE	SIZE	нхи
	TREES (TIER 3)					
)	ACER R. 'REDPOINTE'	ARMSTRONG MAPLE	М	A	15 GAL	40' X 2
ļ	ARBUTUS X 'MARINA'	MADRONE	L	A	15 GAL	35' X 2
	CERCIS OCCIDENTALIS	WESTERN REDBUD	VL	N	15 GAL	15' X ⁻
	GINKGO B. 'PRINCETON SENTRY'	MAIDENHAIR TREE	М	A	15 GAL	45' X
	LAGERSTROEMIA I. 'MUSKOGEE'	CRAPE MYRTLE	L	A	24" BOX	20' X ⁻
	LAURUS X 'SARATOGA'	SARATOGA SWEET BAY	L	A	15 GAL	30' X 2
	PISTACIA C. 'KEITH DAVEY'	CHINESE PISTACHE	L	А	24" BOX	50' X (
	QUERCUS ILEX	HOLLY OAK	L	A	24" BOX	50' X (
					-	
	TILIA C. 'GREENSPIRE'	LITTLELEAF LINDEN	М	A	24" BOX	35' X 2
	ZELKOVA S. 'CITY SPRITE'	SAWLEAF ZELKOVA	М	A	15 GAL	24' X ⁻
	SHRUBS (TIER 2)					
	CALLISTEMON VIMINALIS 'LITTLE JOHN' CISTUS SPP.	DWARF BOTTLEBRUSH ROCKROSE	L	A A	5 GAL 5 GAL	3' X 3' 4' X 4'
	DIETES SPP. DODONAEA V. 'PURPUREA'	FORTNIGHT LILY HOPSEED BUSH	L	A A	5 GAL 5 GAL	3' X 3' 12' X 2
	GALVEZIA SPECIOSA 'FIRECRACKER'	ISLAND SNAPDRAGON	L	Ν	5 GAL	2' X 3'
	GREVILLEA X 'NOELLI' LIGUSTRUM JAPONICUM 'TEXANUM'	GREVILLEA WAXLEAF PRIVET	L	A A	5 GAL 5 GAL	4' X 4' 9' X 5'
	LOROPETALUM C. 'RAZZLEBERRI'	CHINESE FRINGE FLOWER	M	A	5 GAL	5' X 4'
	NANDINA DOMESTICA	HEAVENLY BAMBOO	L	А	5 GAL	6' X 3'
	PHORMIUM SPP. PITTOSPORUM TOBIRA	NEW ZEALAND FLAX TOBIRA	L	A A	5 GAL 5 GAL	3' X 3' 5' X 5'
	RHAMNUS CALIFORNICA 'EVE CASE'	COFFEE BERRY	L	N	5 GAL	6' X 6'
	RHAPHIOLEPIS INDICA	INDIA HAWTHORN	М	A	5 GAL	4' X 4
	SALVIA SPP. SOLLYA HETEROPHYLLA	SAGE AUSTRALIAN BLUEBELL CREEPE	L R L	A A	5 GAL 5 GAL	3' X 3 4' X 4
	TEUCRIUM FRUTICANS 'COMPACTUM'	BUSH GERMANDER	L	A	5 GAL	2' X 2
	VERBENA LILACINA 'DE LA MINA' WESTRINGIA FRUTICOSA	CEDROS ISLAND VERBENA COASTAL ROSEMARY	L L	A A	5 GAL 5 GAL	2' X 3 5' X 8
	ACCENT SHRUBS & GROUND	· · · · · · · · · · · · · · · · · · ·				
	ACHILLEA SPP. ANIGOZANTHOS 'KANGA RED'	YARROW KANGAROO PAW	L	N A	1 GAL 1 GAL	24" X 2 24" X 2
	ERIGERON KARVINSKIANUS	SANTA BARBARA DAISY	L	А	1 GAL	12" X 3
		CREEPING LILY TURF MYOPORUM	M	A A	1 GAL 1 GAL	12" X 12" X 9
	MYOPORUM PARVIFOLIUM NEPETA FAASSENII 'WALKER'S LOW'	CATMINT	L	А	1 GAL	12" X 2
	PENSTEMON H. 'MARGARITA BOP' SCAEVOLA 'MAUVE CLUSTERS'	PENSTEMON SCAEVOLA	L L	N A	1 GAL 1 GAL	24" X 2 6" X 48
	GRASSES (TIER 1)					
	BOUTELOUA G. 'BLONDE AMBITION'	BLUE GRAMA	L	N	1 GAL	2' X 2
	CALAMAGROSTIS X A. 'KARL FOERSTER' CHONDROPETALUM TECTORUM	FEATHER REED GRASS SMALL CAPE RUSH	L	A A	1 GAL 5 GAL	3' X 2 3' X 3
	FESTUCA MAIREI HELICTOTRICHON SEMPERVIRENS	ATLAS FESCUE BLUE OAT GRASS	– L L	A A	1 GAL 1 GAL	2' X 3 2' X 3
	BIORETENTION (TIER 1)					
		BERKELEY SEDGE	1	N	1 GAL	1' X 2' 2' X 2'
	ELYMUS C. 'CANYON PRINCE' JUNCUS PATENS	WILD RYE GRASS CALIFORNIA GRAY RUSH	L	N N	1 GAL 1 GAL	2' X 3' 2' X 2'
	MUHLENBERGIA RIGENS BIOFILTRATION SOD	DEER GRASS AVAILABLE AT DELTA BLUEGRAS	L SS L	N N	1 GAL SOD	4' X 4' N/A
	TURF (TIER 1)	(800) 637-8873				
			н	A	SOD	N/A
-	RHIZOMATOUS TALL FESCUE (RTF)	SELF-HEALING TURF			500	11/74

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10.	PROPOSED TREES SHALL BE INSTALLED SECURELY WITH DOUBLE STAKING PER CITY ODS 3.3.1.1.

IRRIGATION NOTES

- THE IRRIGATION DESIGN FOR THE SITE SHALL COMPLY WITH THE STATE MANDATED MODEL WATER EFFICIENT LANDSCAPE ORDINANCE (MWELO).
- 2. THE IRRIGATION SYSTEMS WILL BE AUTOMATICALLY CONTROLLED BY AN ET/'SMART' IRRIGATION CONTROLLER

LANDSCAPED AREAS SHALL INCORPORATE PLANTINGS UTILIZING THREE-TIER SYSTEM: (1) GRASSES AND GROUNDCOVERS, (2) SHRUBS AND VINES, AND (3) TREES PER CITY OF ANTIOCH ODS 3.3.1.C.

- CAPABLE OF MULTIPLE PROGRAMMING AND INDEPENDENT TIMING OF INDIVIDUAL IRRIGATION SYSTEMS. THE CONTROLLER WILL HAVE A 24-HOUR CLOCK TO ALLOW MULTIPLE START TIMES AND REPEAT CYCLES TO ADJUST FOR SOIL PERCOLATION RATES.
- THE IRRIGATION SYSTEMS WILL CONSIST PRIMARILY OF LOW VOLUME, LOW FLOW BUBBLERS FOR TREES, AND POINT SOURCE DRIP IRRIGATION FOR SHRUBS AND GROUNDCOVERS. 3.
- 4. PLANTS WILL BE GROUPED ONTO SEPARATE VALVES ACCORDING TO SUN EXPOSURE AND WATER USE TO ALLOW FOR IRRIGATION APPLICATION BY HYDROZONE. THE IRRIGATION SCHEDULING WILL REFLECT THE REGIONAL EVAPO-TRANSPIRATION RATES. THE ENTIRE SITE WILL BE DESIGNED TO RUN DURING NIGHTTIME HOURS WHEN IRRIGATION IS MOST EFFICIENT.
- 5. ALL MWELO DOCUMENTATION INCLUDING IRRIGATION PLANS, WATER USE CALCULATIONS AND CERTIFICATES SHALL BE SUBMITTED WITH THE LANDSCAPE IMPROVEMENT PLANS FOR REVIEW AND APPROVAL.

MWELO STATEMENT OF COMPLIANCE

"I HAVE COMPLIED WITH THE CRITERIA OF THE CITY OF ANTIOCH WATER EFFICIENT LANDSCAPING ORDINANCE AND APPLIED THEM ACCORDINGLY FOR THE EFFICIENT USE OF WATER IN THE LANDSCAPE AND IRRIGATION DESIGN PLAN."

> PHILIP A. VANDERTOOLEN, PRESIDENT VANDERTOOLEN ASSOCIATES, INC. CA LICENSE # 2798



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NOTE: Artist's Conception, Colors Materials and Application May Vary.

PLAN 1C - COTTAGE

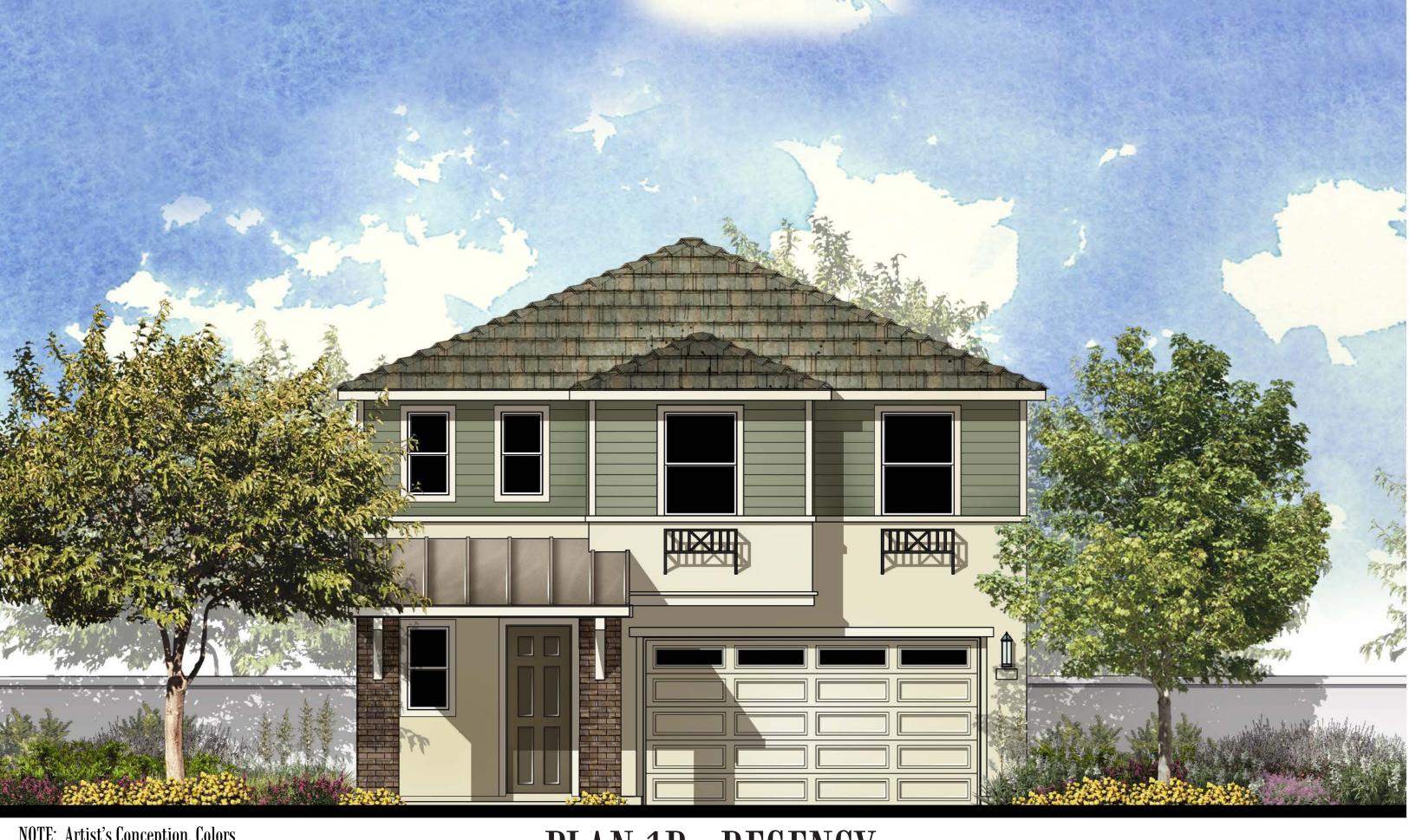




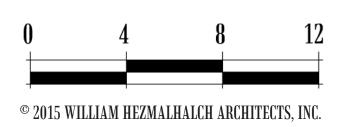
TYPICAL STREETSCENE



PLAN 2BR - REGENCY



NOTE: Artist's Conception, Colors Materials and Application May Vary.





FRONT ELEVATIONS





PLAN 1A - MEDITERRANEAN

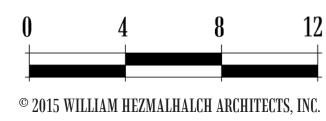


PLAN 1C - COTTAGE

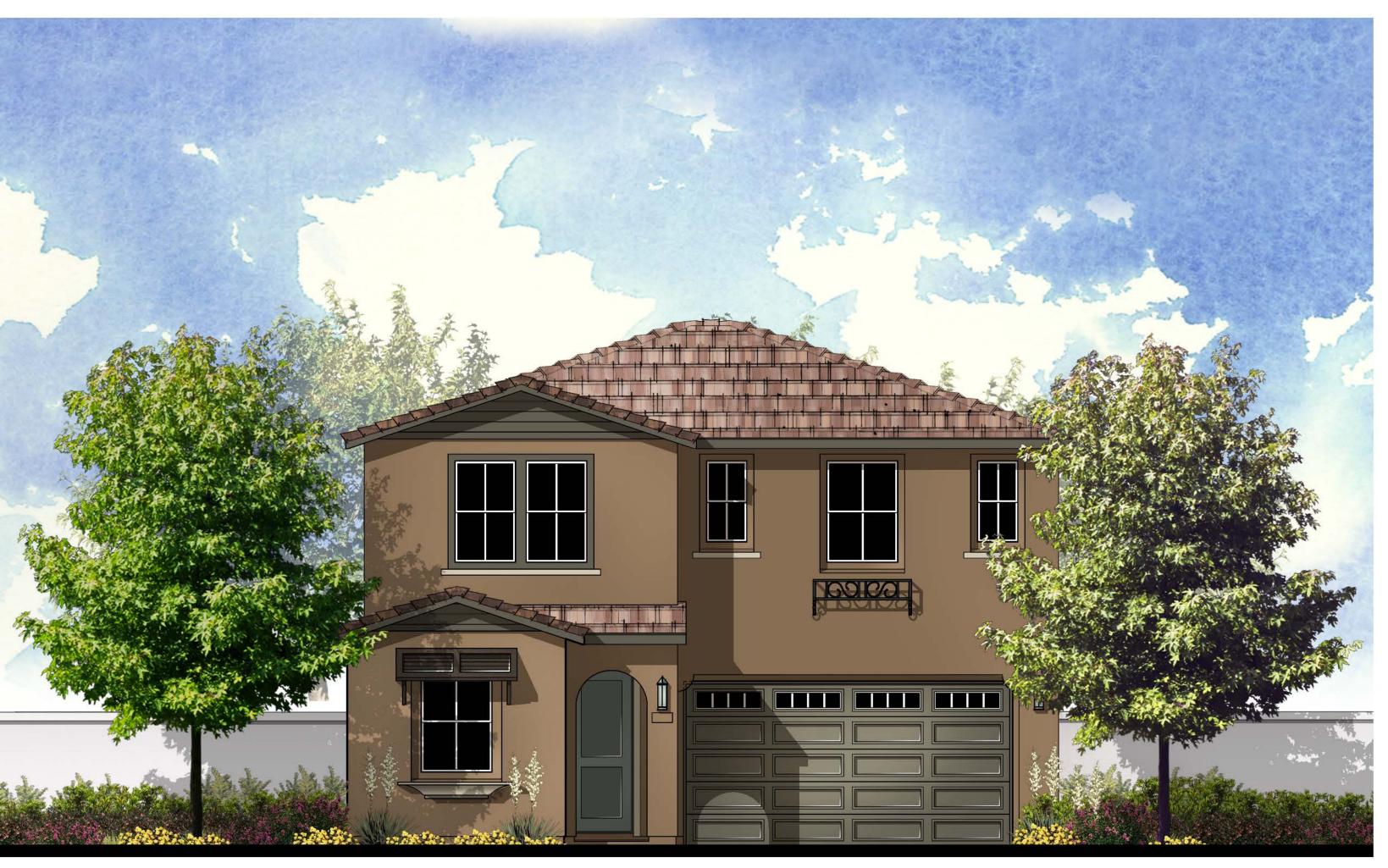


NOTE: Artist's Conception, Colors Materials and Application May Vary.

PLAN 2B - REGENCY







PLAN 2A - MEDITERRANEAN





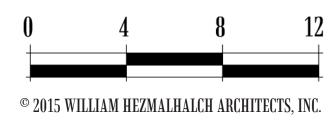
FRONT ELEVATIONS





NOTE: Artist's Conception, Colors Materials and Application May Vary.

PLAN 3B - REGENCY







PLAN 3A - MEDITERRANEAN



FRONT ELEVATIONS

PLAN 3C - COTTAGE





FIRST FLOOR PLAN (1,239 S.F. + 498 S.F. JADU) (1,737 TOTAL S.F.)