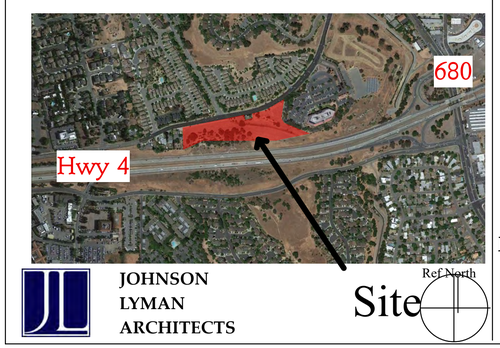
View from Arnold Drive to Building One

Amáre Apartment Homes

Martinez, California

VICINITY MAP



JOHNSON
LYMAN
ARCHITECTS

PROJECT SUMMARY

Parking Summary

104 One Bedroom Units
79 Two Bedroom Units
Total Apartments =183
275 cars Provided
(87 Garage Cars)
(188 Outdoor Cars)

Planning Code Summary

APN 161-400-009 & 010 Zoning R -1.5

Height 30' Above Adjacent Grade

Setbacks

Front Lot Line	10'
Side Lot Line	20' Min
Rear Lot Line	10' Min

Building Code Summary

No Elevator Required (Sec 11B-206.2.3)
Exception 1.2 - Less than 4 stories high

Gross Site Area = +/- 6.06 acres
Net Site Area = +/- 5.96 acres

PROJECT DESCRIPTION

The project design theme has a cottage/craftsman vernacular, with varied forms and materials that create a unique statement for the neighborhood.Three varied palettes of material and colors are dispersed thru the project.

PROJECT TEAM

Developer
The Austin Group LLC
164 Oak Road
Alamo, CA 94507

Architect
Johnson Lyman Architects
1375 Locust St., #202
Walnut Creek, CA 94596
925.930.9690
925.930.9039

Civil Engineer
Humann Company, Inc..
1021 Brown Ave.,
Lafayette, CA 94549
Ph. 925.284.0265
Fax. 925.283.3578

Landscape Architect
Thomas Baak & Associates
1620 North Main Street
Walnut Creek, CA 94596
925.933.2583

SHEET INDEX

A0
10.1.21

Aerial View from Arnold Drive looking south

View from Arnold Drive looking Southeast

JOHNSON
LYMAN
ARCHITECTS

1375 Locust Street, #202, Walnut Creek, CA 94596
925.930.9690 930.9039 fax

Amáre Apartment Homes

Martinez, California

P1

10.1.21

View to Building Five

JOHNSON
LYMAN
ARCHITECTS

1375 Locust Street, #202, Walnut Creek, CA 94596
925.930.9690 930.9039 fax

Amáre Apartment Homes

Martinez, California

View to Gym

View to Common Area

View to Office Area

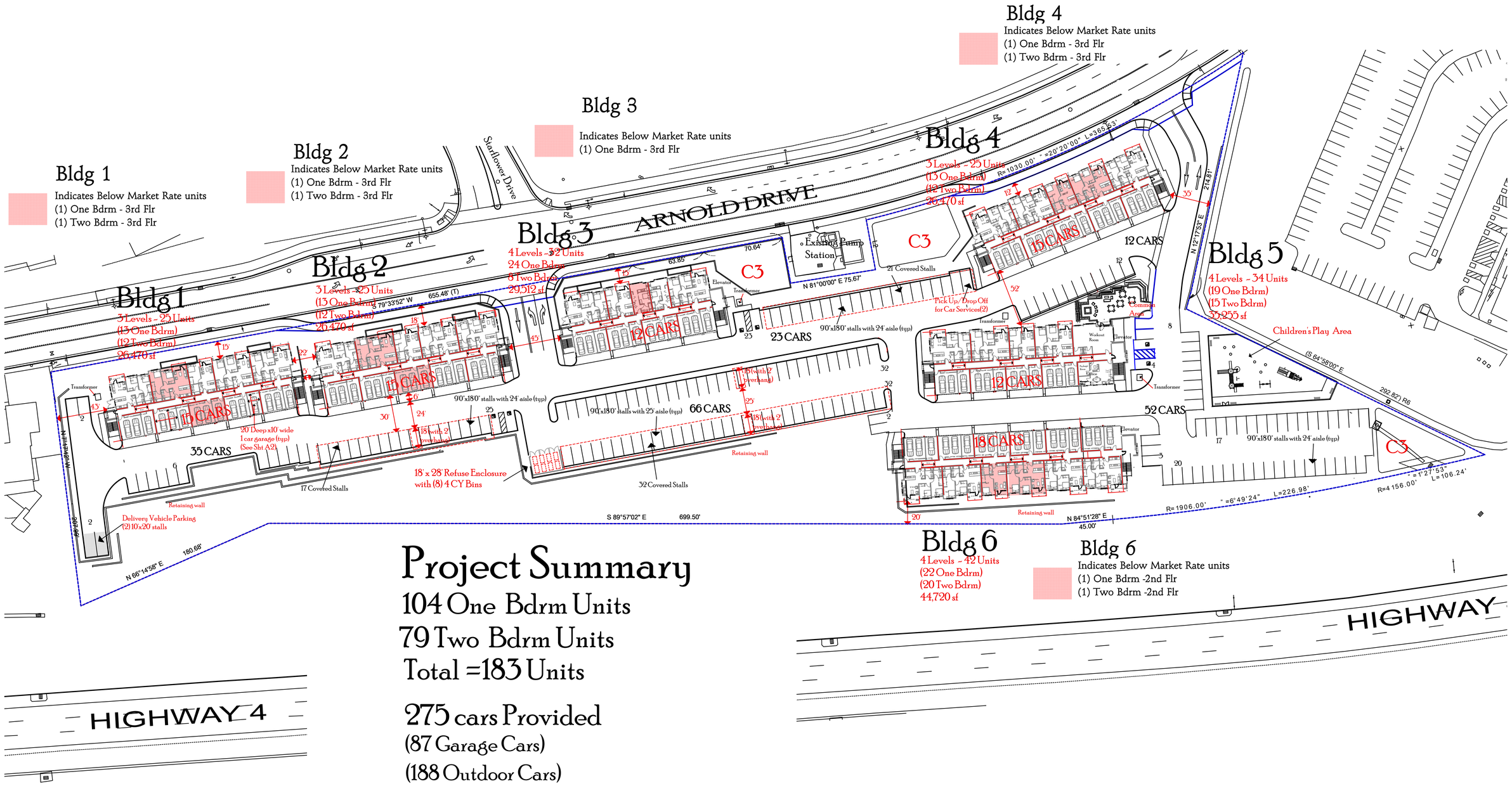
Typical Apartment

JOHNSON
LYMAN
ARCHITECTS

1375 Locust Street, #202, Walnut Creek, CA 94596
925.930.9690 930.9039 fax

Amáre Apartment Homes

Martinez, California



Project Summary

104 One Bdrm Units
79 Two Bdrm Units
Total =183 Units

275 cars Provided
(87 Garage Cars)
(188 Outdoor Cars)

223 cars Required (Per State Density Standards)
(104 cars for One Bdrm)
119 cars for Two Bdrm

JOHNSON
LYMAN
ARCHITECTS
1375 Locust Street, #202, Walnut Creek, CA 94596
925.930.9690 930.9039 fax

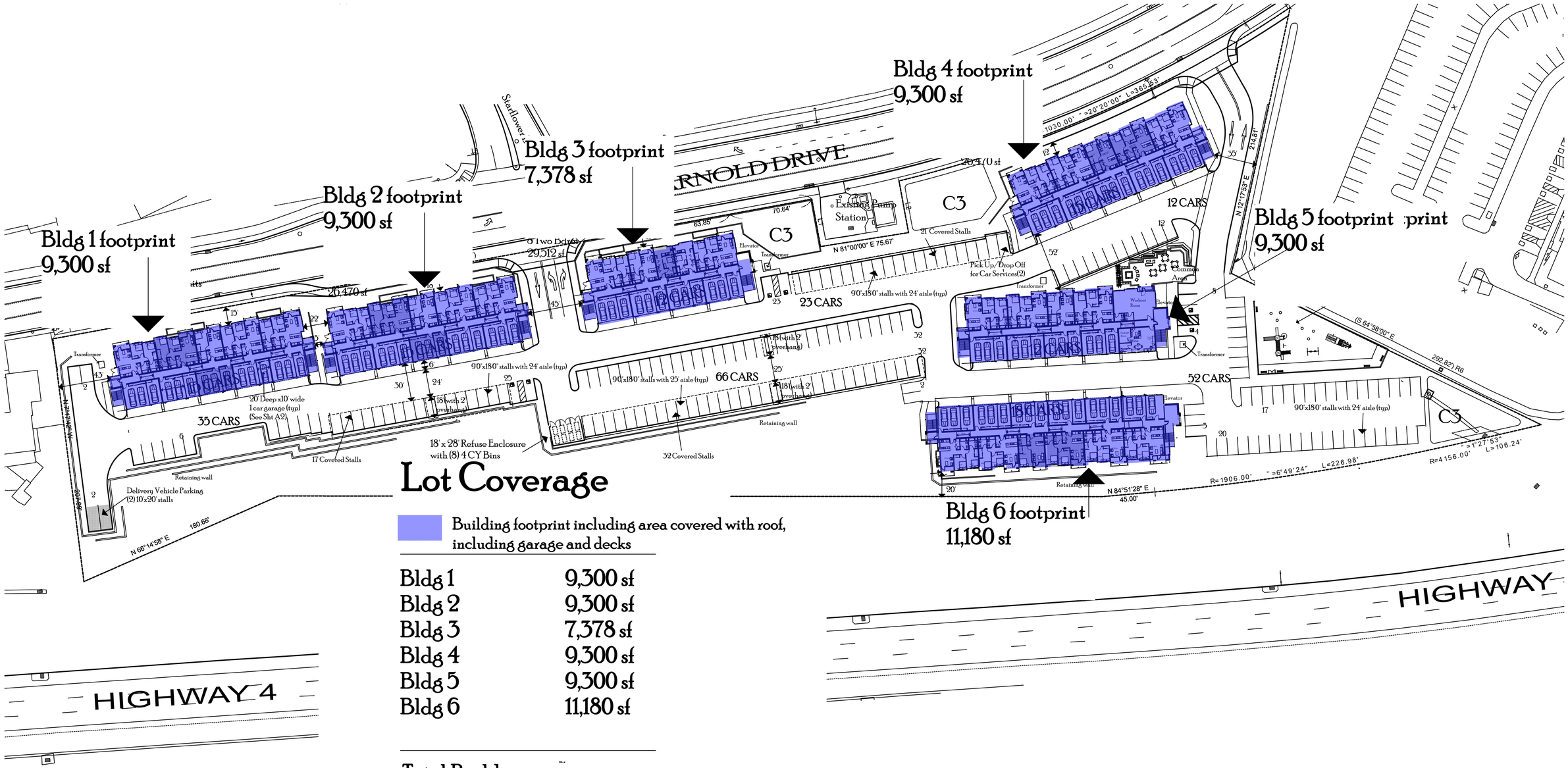
Amáre Apartment Homes

Martinez, California

Site Plan
1" = 40'

North

A1
10.1.21



Lot Coverage

Building footprint including area covered with roof, including garage and decks

Bldg 1	9,300 sf
Bldg 2	9,300 sf
Bldg 3	7,378 sf
Bldg 4	9,300 sf
Bldg 5	9,300 sf
Bldg 6	11,180 sf

Total Building Footprint	55,758 sf
Total Site Area	259,618 sf (5.96 ac)
Lot Coverage	21.4%

JOHNSON
LYMAN
ARCHITECTS
1375 Locust Street, #202, Walnut Creek, CA 94596
925.930.9690 930.9039 fax

Amáre Apartment Homes

Martinez, California

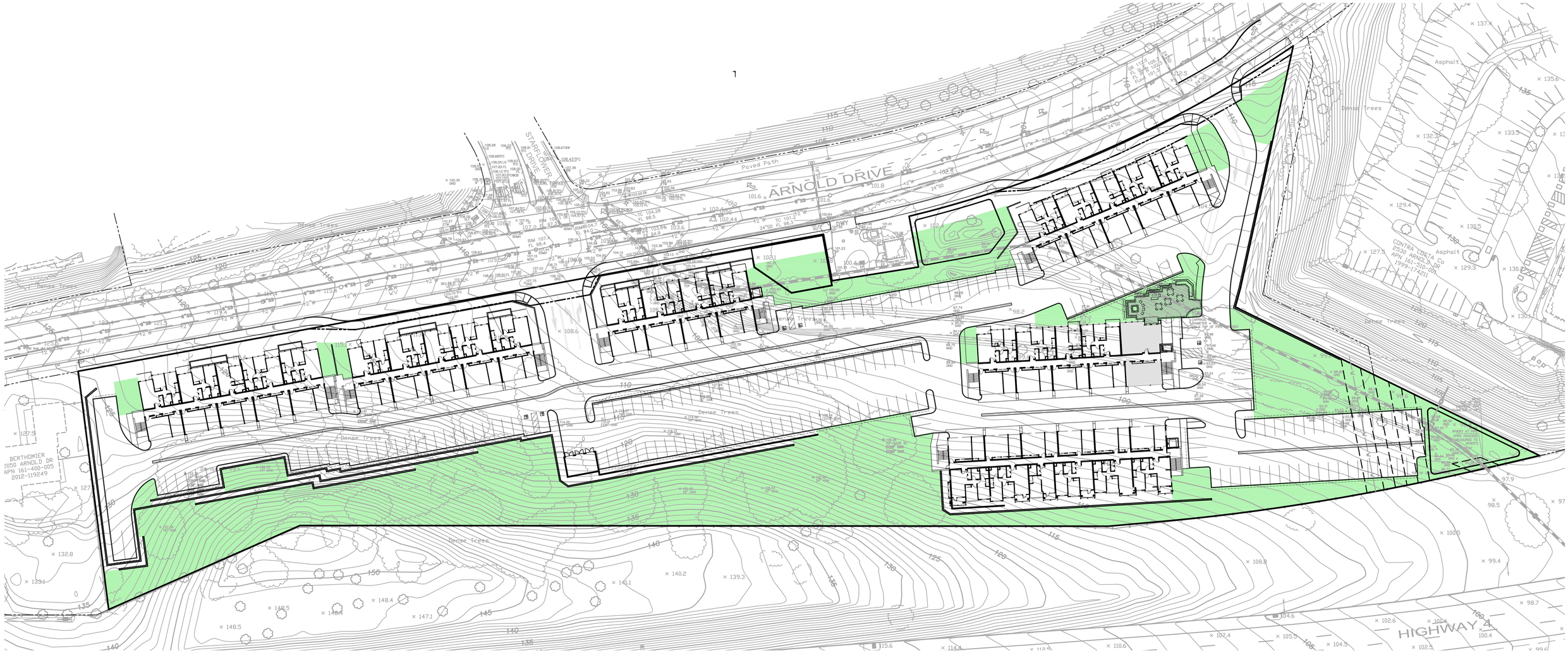
Lot Coverage Exhibit

1" = 40'

North

A1.1

10.1.21



Usable Open Space

Open Space required 73,200 sf (400sf/unitx183)

Open Space Provided 77,855sf

JOHNSON
LYMAN
ARCHITECTS

1375 Locust Street, #202, Walnut Creek, CA 94596
925.930.9690 930.9039 fax

Amáre Apartment Homes

Martinez, California

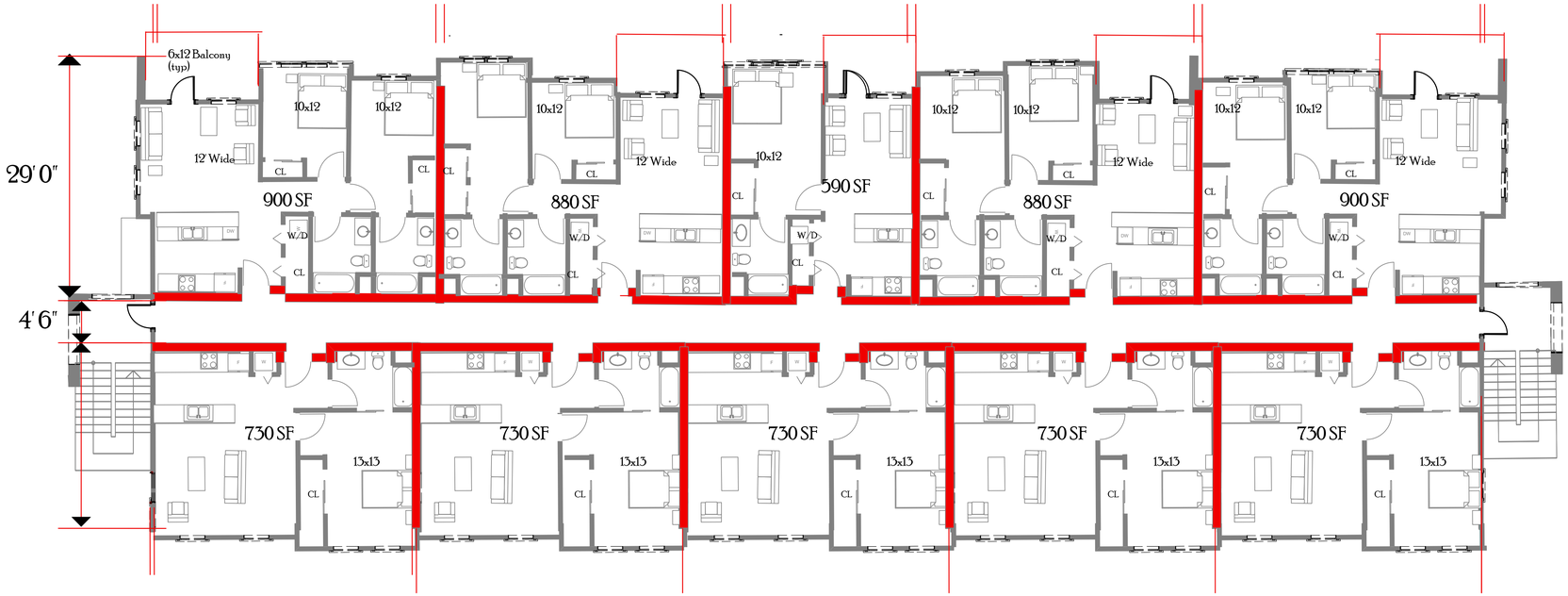
Open Space Exhibit

1" = 40'

North

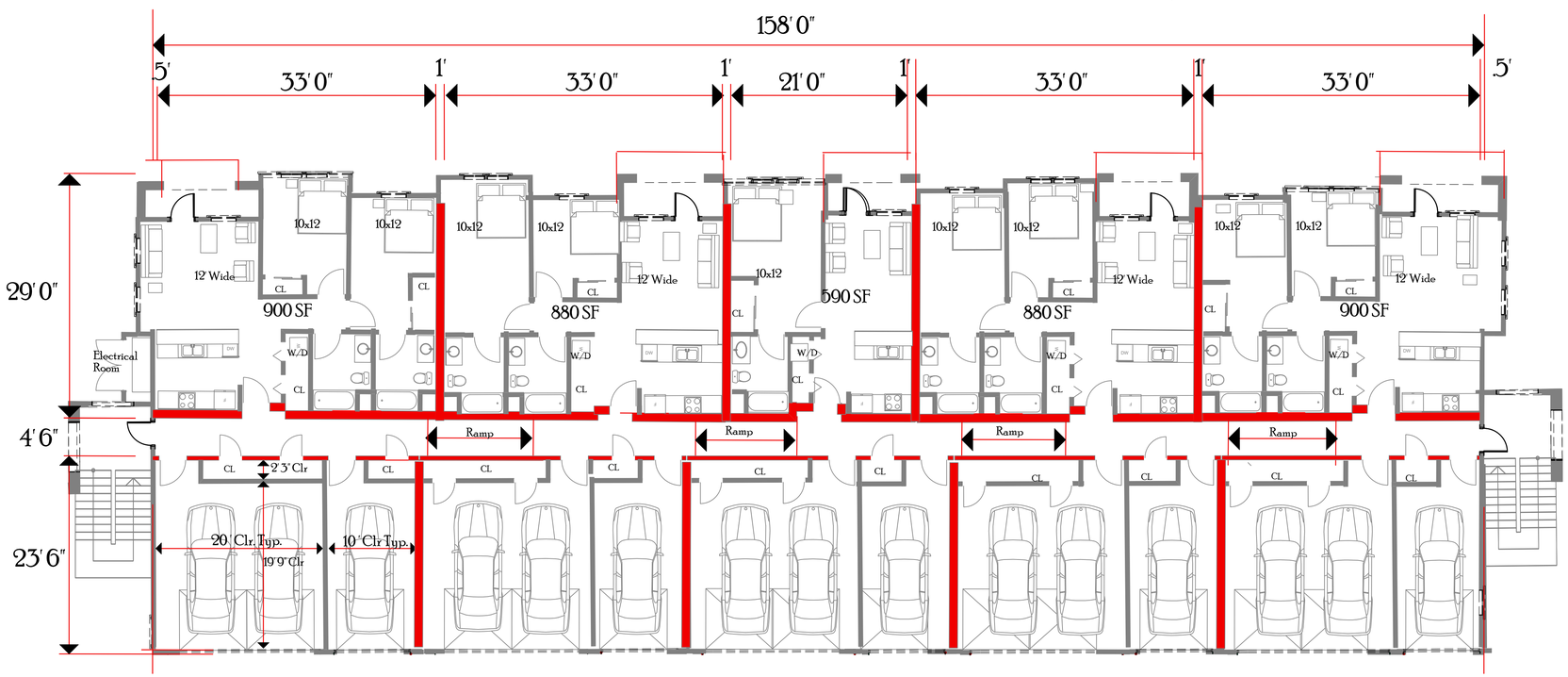
A1.2

10.1.21



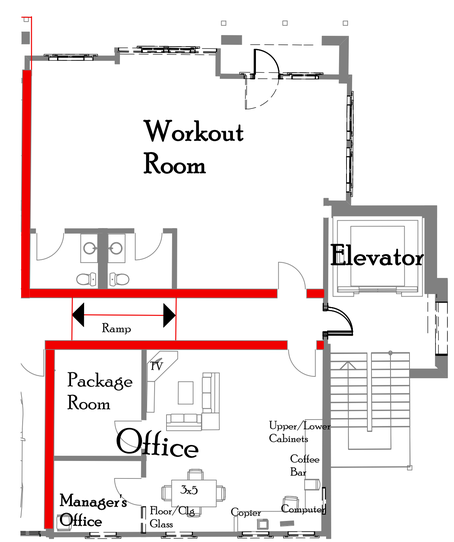
Second Level (Third Level Similar) (Fourth Level @ Bldg 5 & 6 Similar)

1/8"=1'0"



Ground Level

1/8"=1'0"



Ground Level

(Bldg 5 only ~ 4 story)

JOHNSON
LYMAN
ARCHITECTS

1375 Locust Street, #202, Walnut Creek, CA 94596
925.930.9690 930.9039 fax

Amáre Apartment Homes

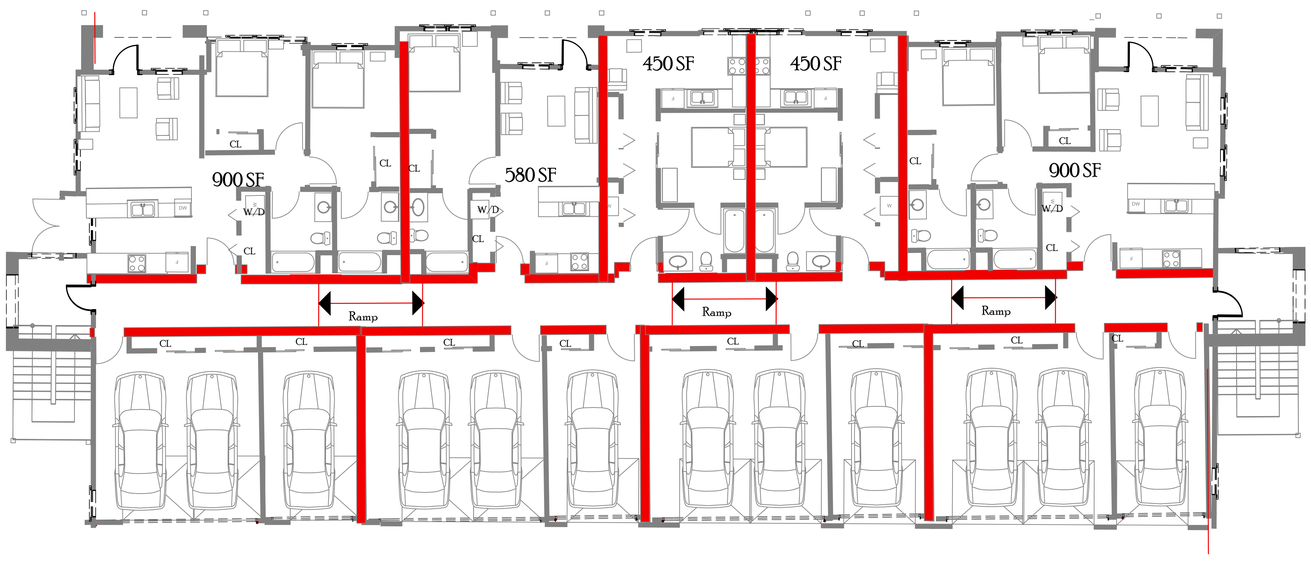
Typical Plan

A2

10.1.21

Second Level (Third Level Similar)

1/8"=1'0"



Ground Level

1/8"=1'0"

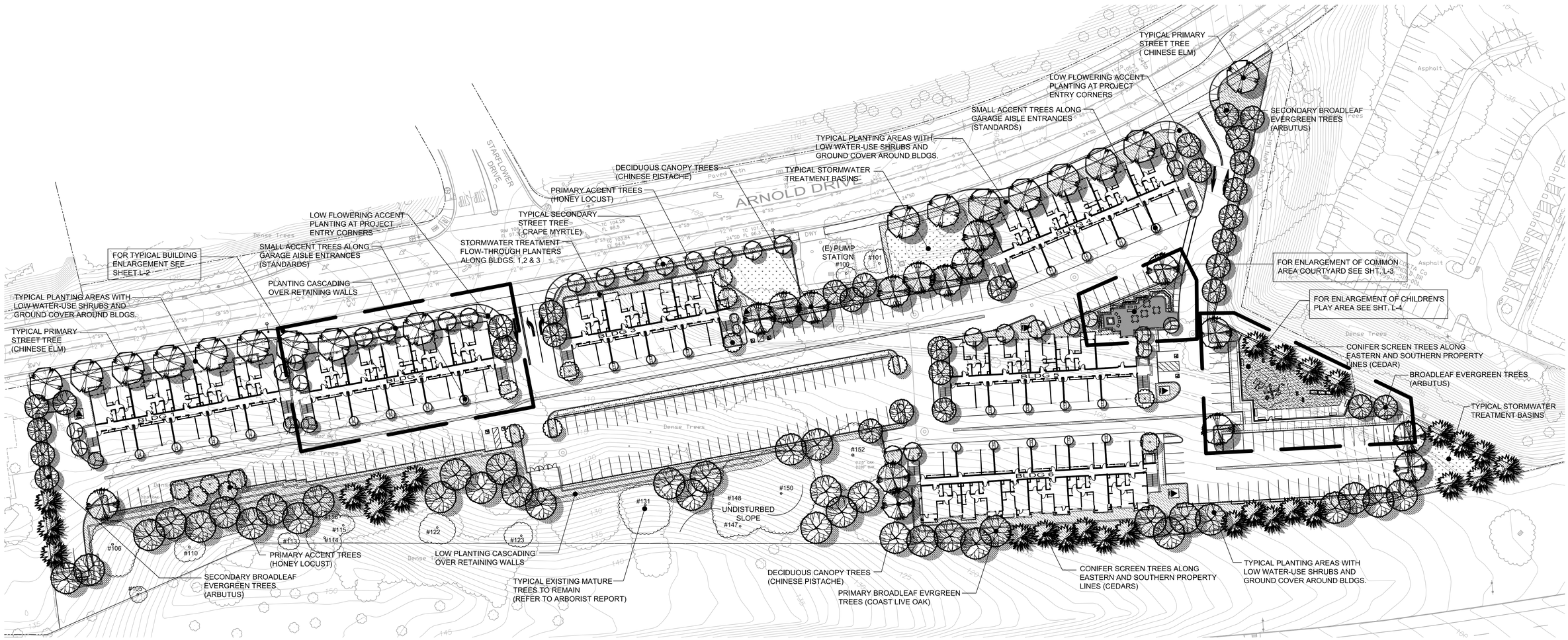
JOHNSON
LYMAN
ARCHITECTS
1375 Locust Street, #202, Walnut Creek, CA 94596
925.930.9690 930.9039 fax

Amáre Apartment Homes

Plan ~ Building 3

A2A

10.1.21



PROJECT TREE KEY

PRIMARY STREET TREE:
ULMUS PARVIFOLIA (CHINESE ELM)- STREET TREE

SECONDARY STREET TREE:
LAGERSTROEMIA 'TUSCAROSA' (STANDARD)

DECIDUOUS CANOPY TREES:
QUERCUS COCCINEA (SCARLET OAK)

PRIMARY BROADLEAF EVERGREEN TREES:
ARBUTUS MARINA (STRAWBERRY TREE)

SECONDARY BROADLEAF EVERGREEN TREES:
QUERCUS AGRIFOLIA (CALIFORNIA LIVE OAK)

SITE CONIFER TREES:
CEDRUS DEODARA (DEODAR CEDAR)

PRIMARY ACCENT TREES:
GLEDITSIA TRIACANTHOS 'STREET KEEPER' (HONEY LOCUST)

SECONDARY ACCENT TREES:
LAGERSTROEMIA SPECIES (CRAPE MYRTLE)

SMALL ACCENT TREES:
CERCIS OCCIDENTALIS (WESTERN REDBUD)

MINOR ACCENT TREES: (TRAINED-UP SHRUBS)
JUNIPERUS 'HETZ COLUMN' (COLUMNAR JUNIPER)
RHAPHIOLEPIS 'MAJESTIC BEAUTY' (INDIA HAWTHORN)

GENERAL PLANTING NOTES:

1. TOTAL IRRIGATED LANDCAPE AREA: 64,918 SQ. FT.
2. EXISTING TREE TO REMAIN SHOWN PER ARBORIST REPORT PREPARED BY TRAVERSO TREE SERVICE, MAY 16, 2016
3. EXISTING TREES TO BE REMOVED: 43 TREES
   EXISTING TREES TO REMAIN: 17 TREES
   PROPOSED TREES: 178 TREES (+ 28 STANDARDS)
   (206 PROPOSED TREES TOTAL)
4. ALL PROPOSED PLANTING SHALL BE WATERED BY A FULL AUTOMATIC, WATER-CONSERVING IRRIGATION SYSTEM, COMPRISED OF DRIP AND BUBBLER APPLICATION (NO TURF); SYSTEM OPERATED BY A WEATHER BASED CONTROLLER WITH RAIN SENSOR CONTROL.
5. REFER TO SHEET L-2 FOR RECOMMENDED PLANT LIST

AMÁRE APARTMENT HOMES

MARTINEZ, CALIFORNIA

CONCEPTUAL LANDSCAPE PLAN

GRAPHIC SCALE

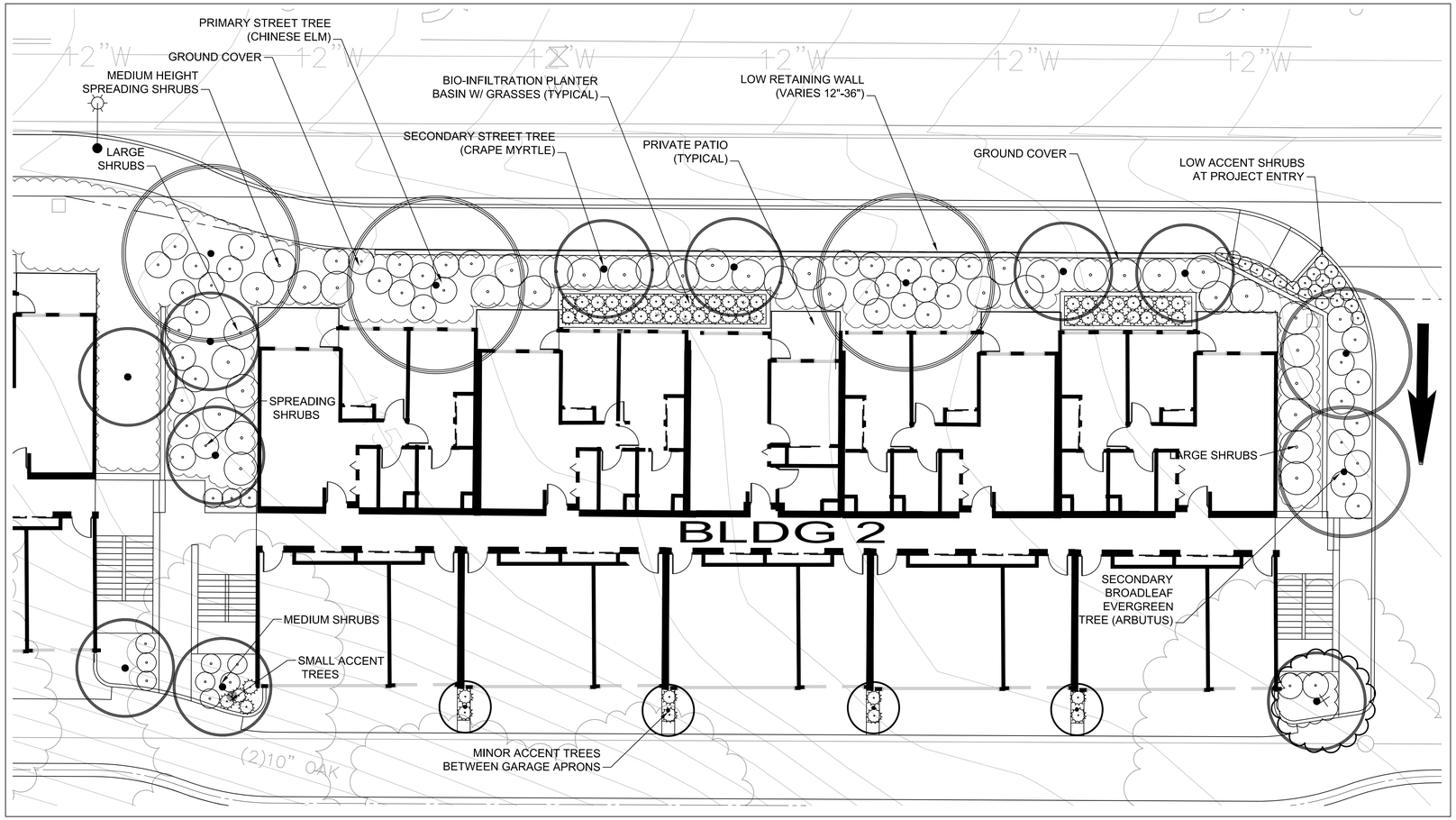
40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

L1

SEPTEMBER 15, 2020

Thomas Baak & Associates, LLP
Landscape Architects
1620 North Main Street, Suite 4
Walnut Creek, CA 94596
Ph: 925.933.2583



PLAN VIEW: TYPICAL BUILDING LANDSCAPE

SCALE:1"=10'

AMÁRE APARTMENT HOMES

MARTINEZ, CALIFORNIA

Thomas Baak & Associates, LLP
Landscape Architects
1620 North Main Street, Suite 4
Walnut Creek, CA 94596
Ph: 925.933.2583

SUGGESTED PLANT PALETTE

TREES:

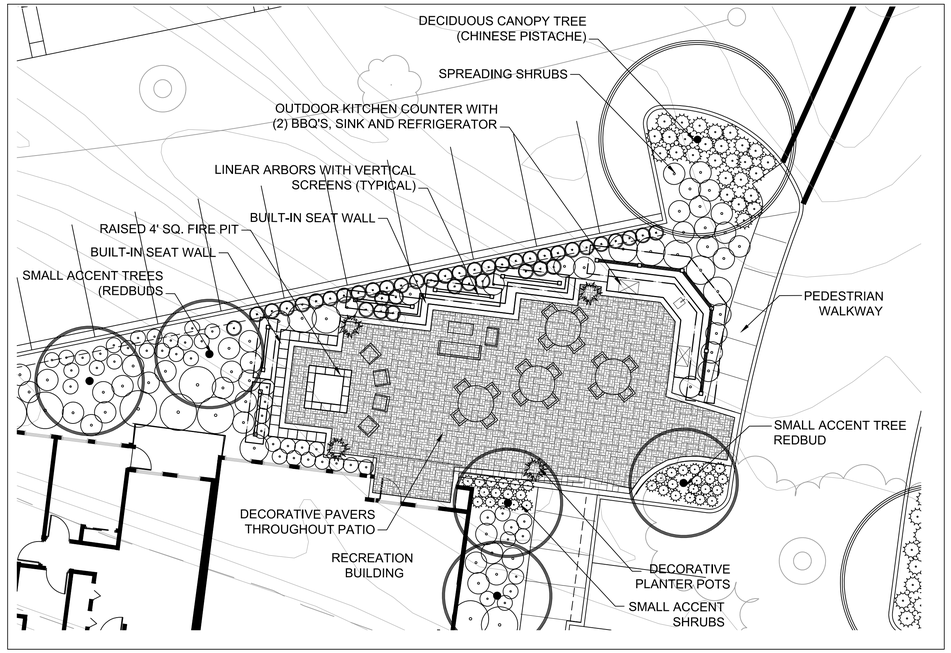
BOTANICAL NAME	COMMON NAME	WATER USE	COUNT
PRIMARY STREET TREES: 15 GALLON SIZE			
ULMUS PARVIFOLIA	CHINESE ELM	LOW	17
SECONDARY STREET TREES: 15 GALLON SIZE			
LAGERSTROEMIA 'TUSCAROA'	CRAPE MYRTLE (STANDARD)	LOW	12
DECIDUOUS CANOPY TREES: 15 GALLON SIZE			
QUERCUS COCCINEA	SCARLET OAK	LOW	17
PRIMARY BROADLEAF EVERGREEN TREES: 15 GALLON SIZE			
QUERCUS AGRIFOLIA	CALIFORNIA LIVE OAK	VERY LOW	38
SECONDARY BROADLEAF EVERGREEN TREES: 15 GALLON SIZE			
ARBUTUS 'MARINA'	STRAWBERRY TREE	LOW	34
SITE CONIFER SCREEN TREES: 15 GALLON SIZE			
CEDRUS DEODARA	DEODAR CEDAR	LOW	29
PRIMARY ACCENT TREES: 15 GALLON SIZE			
GLEDITSIA TRIACAN. 'STREET KEEPER'	HONEY LOCUST	LOW	16
SECONDARY ACCENT TREES: 15 GALLON SIZE			
LAGERSTROEMIA SPECIES	CRAPE MYRTLE	LOW	10
SMALL ACCENT TREES: 15 GALLON SIZE			
CERCIS OCCIDENTALIS	WESTERN REDBUD	LOW	15
SMALL TREES/ STANDARDS: 15 GALLON SIZE			
JUNIPERUS 'HETZ COLUMN'	COLUMNAR JUNIPER	LOW	16
RHAPHIOLEPIS 'MAJESTIC BEAUTY'	INDIA HAWTHORN	LOW	15

RECOMMENDED SHRUBS:

LARGE SHRUBS: (5 GALLON SIZE @ 6'-8' SPACING)		
CEANOTHUS 'BLUE JEANS'	WILD LILAC	LOW
ELEAEGNUS PUNGENS 'GILT EDGE'	SILVERBERRY	LOW
FEIJOA SELLOWIANA	PINEAPPLE GUAVA	LOW
HETEROMELES ARBUTIFOLIA	TOYON	LOW
MYRICA CALIFORNICA	CALIFORNIA MYRTLE	LOW
PRUNUS ILICIFOLIA	HOLLY LEAF CHERRY	LOW
MEDIUM SIZE SHRUBS: (5 GALLON SIZE @ 4'-5' SPACING)		
BUXUS JAPONICA 'GREEN BEAUTY'	JAPANESE BOXWOOD	LOW
GALVEZIA 'FIRECRACKER'	BUSH SNAPDRAGON	LOW
MAHONIA 'ORANGE FLAME'	MAHONIA	LOW
MYRTUS COMMUNIS 'COMPACTA'	DWARF MYRTLE	LOW
NANDINA DOMESTICA 'COMPACTA'	HEAVENLY BAMBOO	LOW
LAVATERA THURINGLACA 'RED RUM'	TREE MALLOW	LOW
LEPTOSPERMUM 'RUBY GLOW'	TEA TREE	LOW
PITTOSPORUM TOBIRA	MOCK ORANGE	LOW
RHAPHIOLEPIS INDICA	INDIA HAWTHORN	LOW
RHAMNUS 'EVE CASE'	CALIFORNIA COFFEEBERRY	LOW
ROSA 'MAGIC CARPET'	CARPET ROSE	MEDIUM
ROSMARINUS 'BLUE SPIRES'	BLUE ROSEMARY	LOW
SALVIA GREGGII	AUTUMN SAGE	LOW
TEUCRIUM FRUTICANS	GERMANDER	LOW
MEDIUM SIZE SPREADING SHRUBS: (5 GALLON SIZE @ 4'-5' SPACING)		
ARCTOSTAPHYLOS SPECIES	MANZANITA	LOW
CEANOTHUS 'ANCHOR POINT'	WILD LILAC	LOW
CISTUS SALVIFOLIUS	SAGELEAF ROCKROSE	LOW
GREVILLEA 'COASTAL GEM'	GREVILLEA	LOW
PLUMBAGO AURICULATA	CAPE PLUMBAGO	LOW
CLIMBING VINES ON RETAINING WALLS: (ONE GALLON SIZE @ 10' SPACING)		
FICUS PUMILA	CREEPING EVERGREEN FIG	MEDIUM
ACCENT PERENNIALS AND GRASSES: (ONE GALLON SIZE @ 2'-3' SPACING)		
ERIGERON KARVINSKIANUS 'MOERHEIMII'	SANTA BARBARA DAISY	LOW
FESTUCA C. 'SERPENTINE BLUE'	BLUE FESCUE	LOW
LAVANDULA ANGUSTIFOLIA	ENGLISH LAVENDER	LOW
PENNISETUM 'RED BUNNY TAILS'	DWARF FOUNTAIN GRASS	LOW
PHORMIUM SPECIES	DWARF FLAX	LOW
SALVIA SPECIES	PURPLE SAGE	LOW
TEUCRIUM LUCIDRYS	DWARF GERMANDER	LOW
GROUND COVER: (ONE GALLON SIZE @ 3'-4' SPACING)		
ARCTOSTAPHYLOS 'POINT REYES'	MANZANITA	LOW
COPROSMA 'VISTA VERDE'	CREEPING COPROSMA	LOW
ROSMARINUS 'PROSTRATUS'	PROSTRATE ROSEMARY	LOW
STORMWATER TREATMENT BASINS: (MIX OF 4" POTS AT 12" SPACING)		
CAREX BUCHANNANII	LEATHER SEDGE	MEDIUM
CAREX DIVULSA	BERKELEY SEDGE	MEDIUM
CAREX ELATA 'AUREA'	YELLOW SEDGE	MEDIUM

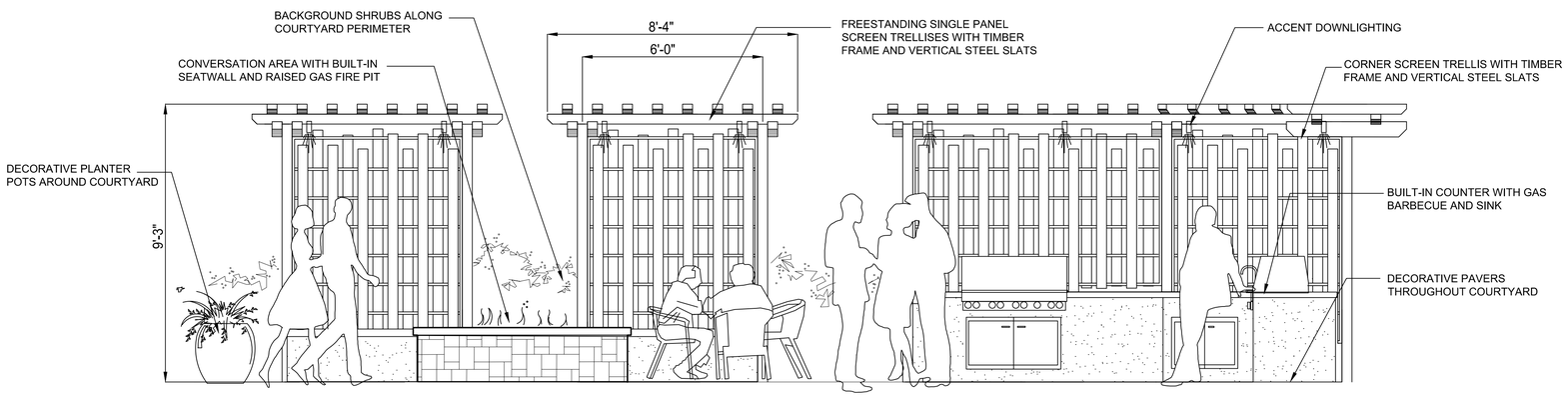
NON IRRIGATED HYDROSEED MIX APPLIED TO OPEN SPACE DISTURBED AREAS:
(PACIFIC COAST SEED MIXTURE)
ESCHSCHOLZIA CALIFORNICA (CALIFORNIA POPPY) 4 LBS/ACRE
HORDEUM BRACHYANTHERUM (CALIFORNIA BARLEY) 10 LBS/ACRE
'HYCON' ROSE CLOVER (6 LBS/ACRE)
NASELLA PULCHRA (PURPLE NEEDLE GRASS) 1 LBS/ACRE
MELICA CALIFORNICA (CALIFORNIA ONION GRASS) 4.5 LBS/ACRE
NASELLA CERNUA (NODDING NEEDLEGRASS) 1 LBS/ACRE
LUPINUS BICOLOR (PIGMY-LEAVED LUPINE) 4 LBS/ACRE
LEYMUS TRITICOIDES- 12 LBS/ACRE
SISYRINCHIUM BELLUM (BLUE EYED GRASS) .5 LBS/ACRE

SEPTEMBER 15, 2020



PLAN VIEW: COMMON AREA COURTYARD

SCALE:1"=10'



COMMON AREA COURTYARD WITH OUTDOOR KITCHEN

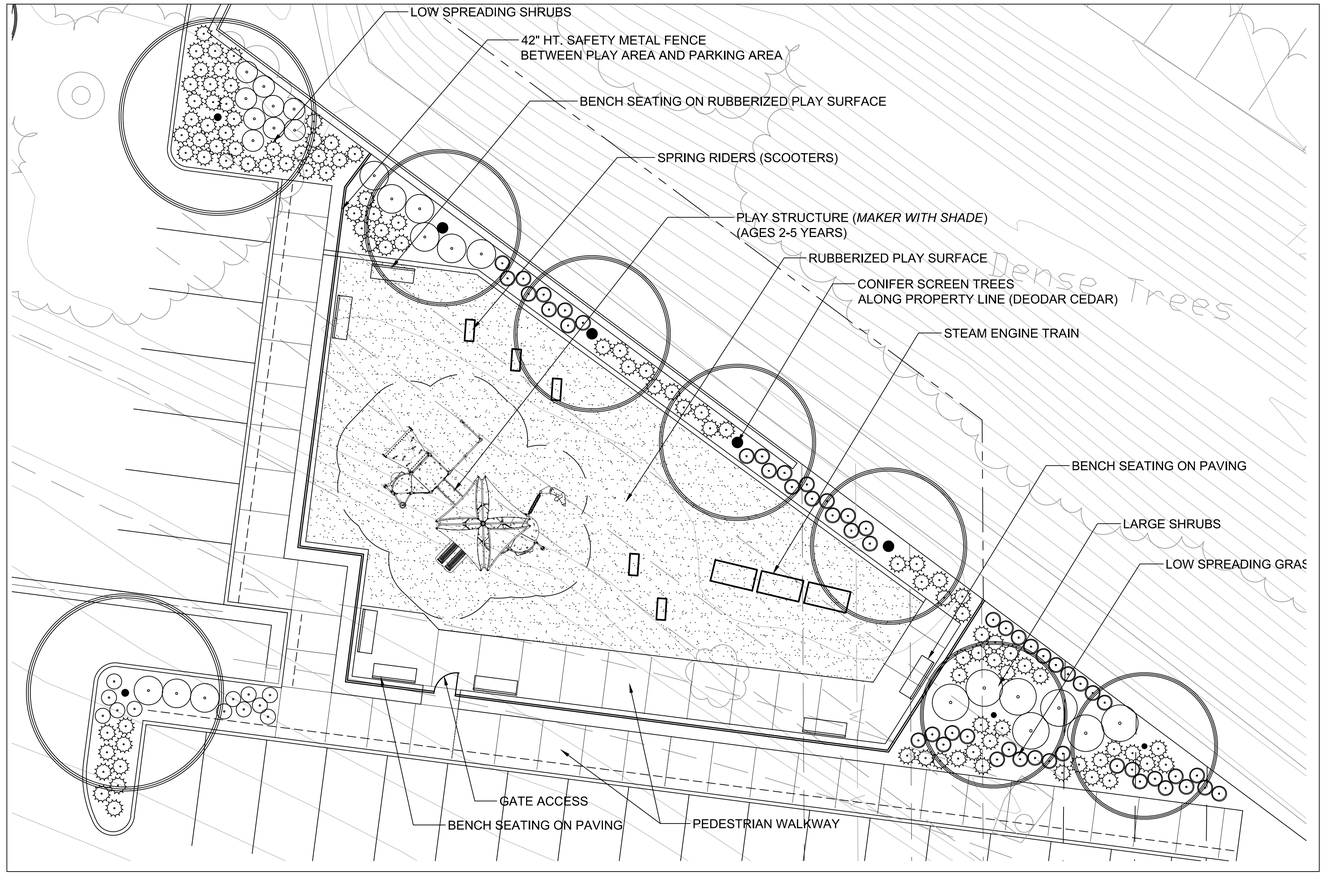
AMÁRE APARTMENT HOMES

MARTINEZ, CALIFORNIA

Thomas Baak & Associates, LLP
Landscape Architects
1620 North Main Street, Suite 4
Walnut Creek, CA 94596
Ph: 925.933.2583

L3

SEPTEMBER 15, 2020



PLAN VIEW: CHILDREN'S PLAY AREA

SCALE:1"=10'

NOTE:

1. SELECTED PLAY EQUIPMENT IS FOR CHILDREN AGES 2 TO 5 YEARS OLD.
2. STORMWATER PIPES AND EASEMENT AREA AVOIDED WITH ANY PLAY EQUIPMENT FOOTINGS.
3. PLAY AREA SURFACE TO BE RUBBERIZED TILE OR POUR-IN-PLACE; ALL ADA ACCESSIBLE AREA.

STEAM ENGINE TRAIN

SPRING RIDERS (SCOOTERS)

PLAY STRUCTURE (MAKER WITH SHADE)

AMARE APARTMENT HOMES

MARTINEZ, CALIFORNIA

Thomas Baak & Associates, LLP
Landscape Architects
1620 North Main Street, Suite 4
Walnut Creek, CA 94596
Ph: 925.933.2583

SEPTEMBER 15, 2020

PRIMARY - CHINESE ELM

SECONDARY - CRAPE MYRTLE

STREET TREES

PRIMARY - HONEY LOCUST

SECONDARY - CRAPE MYRTLE

SMALL - WESTERN REDBUD

ACCENT TREES

DECIDUOUS CANOPY TREE - SCARLET OAK

SITE CONIFER TREE - DEODAR CEDAR

PRIMARY - CALIFORNIA LIVE OAK

SECONDARY - STRAWBERRY TREE

BROADLEAF EVERGREEN TREES

'HETZ COLUMNAR' JUNIPER

INDIA HAWTHORN

MINOR TREES - STANDARDS

PROPOSED TREE IMAGES

AMÁRE APARTMENT HOMES

MARTINEZ, CALIFORNIA

Thomas Baak & Associates, LLP
Landscape Architects
1620 North Main Street, Suite 4
Walnut Creek, CA 94596
Ph: 925.933.2583

SEPTEMBER 15, 2020

Trim

Composition Shingles

Plaster 1

Plaster 2

Cementatious Wall Shingles

Ledgestone

Colors/Materials

Material Palette A ~ View from Arnold Drive ~ Building One

JOHNSON
LYMAN
ARCHITECTS
1375 Locust Street, #202, Walnut Creek, CA 94596
925.930.9690 930.9039 fax

Amáre Apartment Homes

Martinez, California

A3

10.1.21

Trim

Composition Shingles

Plaster 1

Plaster 2

Brick

Cementatious Wall Shingles

Colors/Materials

Material Palette B ~ View from Arnold Drive ~ Building Two

JOHNSON
LYMAN
ARCHITECTS
1375 Locust Street, #202, Walnut Creek, CA 94596
925.930.9690 930.9039 fax

Amáre Apartment Homes

Martinez, California

A4

10.1.21

Trim

Composition Shingles

Plaster 1

Plaster 2

Cementatious Wall Shingles

Roughcut Stone

Colors/Materials

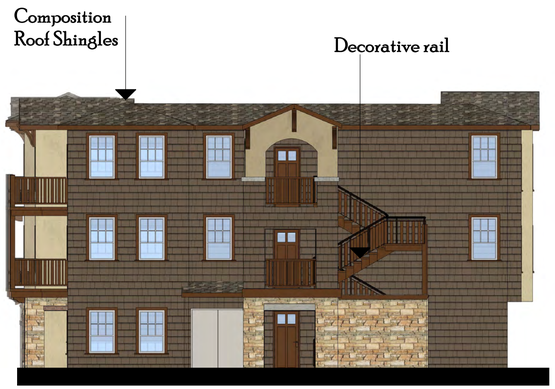
Material Palette C ~ View from Arnold Drive ~ Building Three

JOHNSON
LYMAN
ARCHITECTS
1375 Locust Street, #202, Walnut Creek, CA 94596
925.930.9690 930.9039 fax

Amáre Apartment Homes

Martinez, California

A5
10.1.21



West Elevation

1/8"=1'0"

South Elevation

1/8"=1'0"

East Elevation

1/8"=1'0"

North Elevation

View from Arnold Drive

1/8"=1'0"

JOHNSON
LYMAN
ARCHITECTS

1375 Locust Street, #202, Walnut Creek, CA 94596
925.930.9690 930.9039 fax

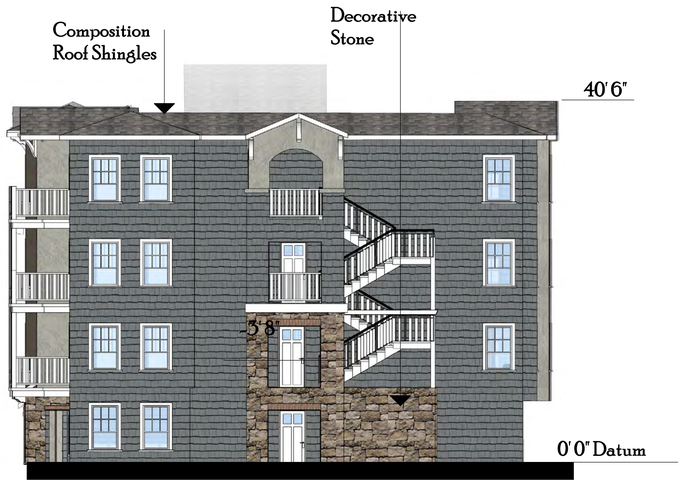
Amáre Apartment Homes

Martinez, California

Typical Elevation
Three Story Building

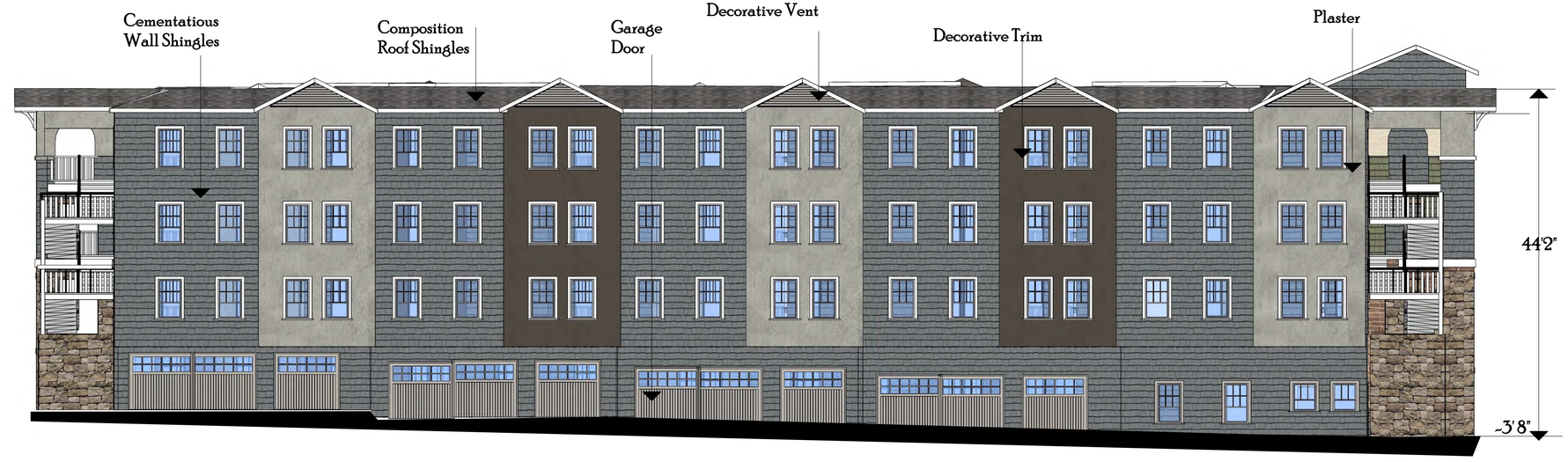
A6

10.1.21



West Elevation

1/8"=1'0"



South Elevation

1/8"=1'0"

East Elevation

1/8"=1'0"

North Elevation

1/8"=1'0"

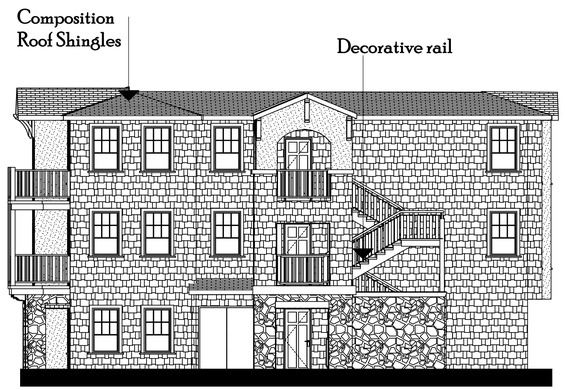
JOHNSON
LYMAN
ARCHITECTS
1375 Locust Street, #202, Walnut Creek, CA 94596
925.930.9690 930.9039 fax

Amáre Apartment Homes

Martinez, California

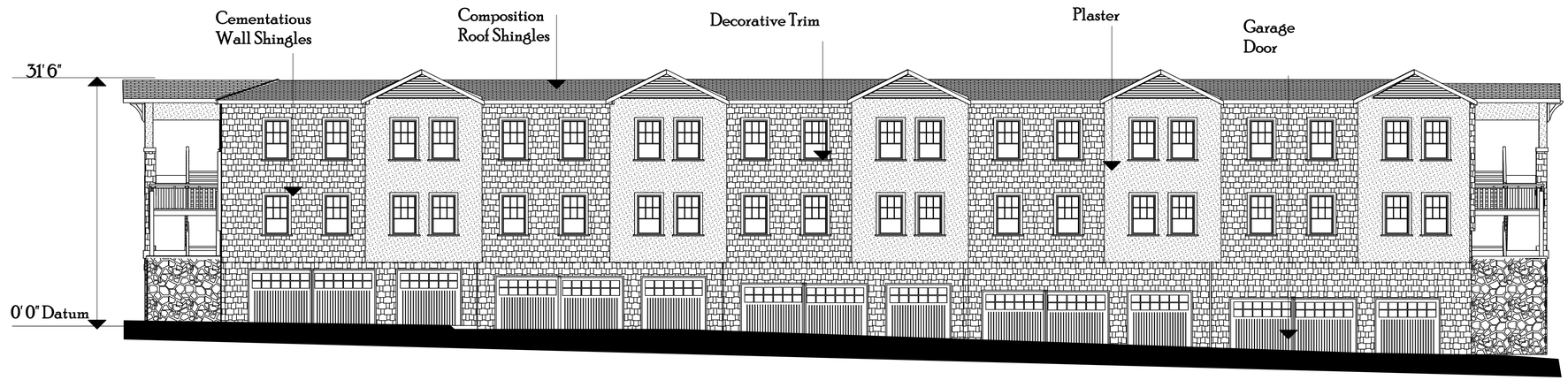
Building Five Elevations
Four Story Building

A7
10.1.21



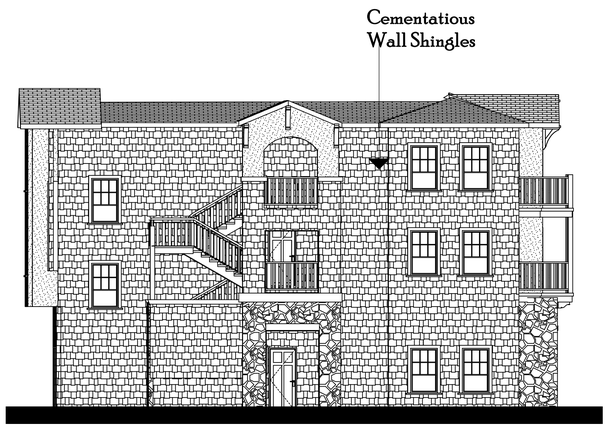
West Elevation

1/8"=1'0"



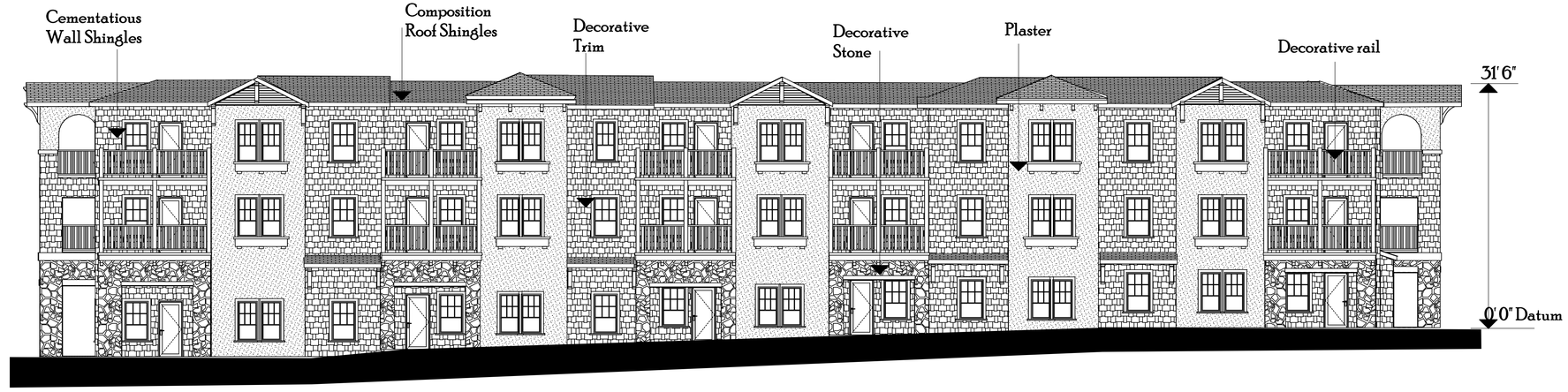
South Elevation

1/8"=1'0"



East Elevation

1/8"=1'0"



North Elevation

View from Arnold Drive

1/8"=1'0"

JOHNSON
LYMAN
ARCHITECTS

1375 Locust Street, #202, Walnut Creek, CA 94596
925.930.9690 930.9039 fax

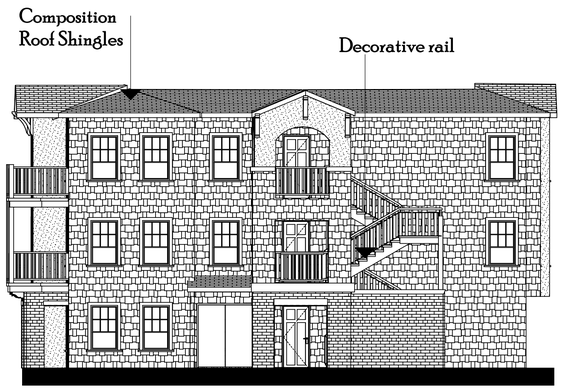
Amáre Apartment Homes

Martinez, California

Building 1 Elevation

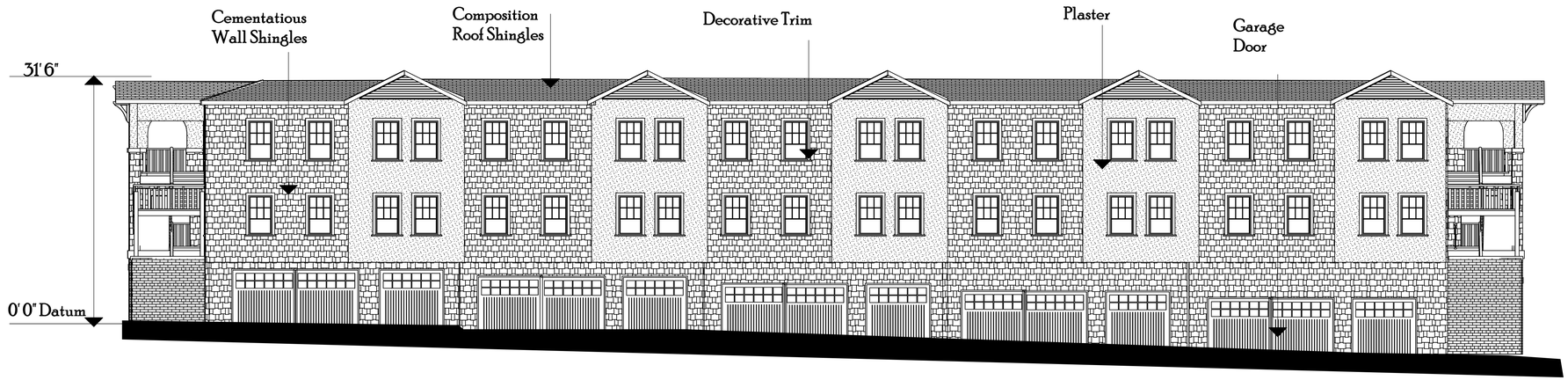
A8.1

10.1.21



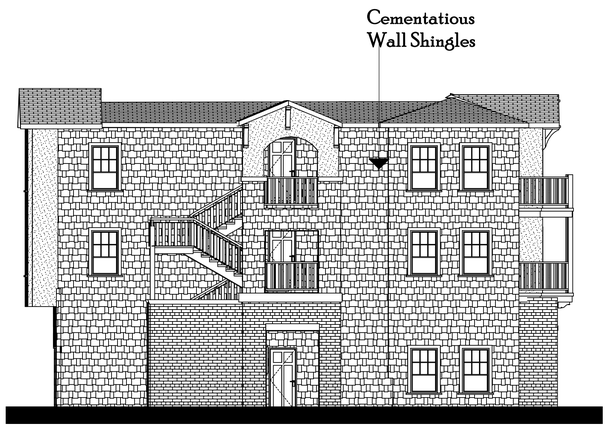
West Elevation

1/8"=1'0"



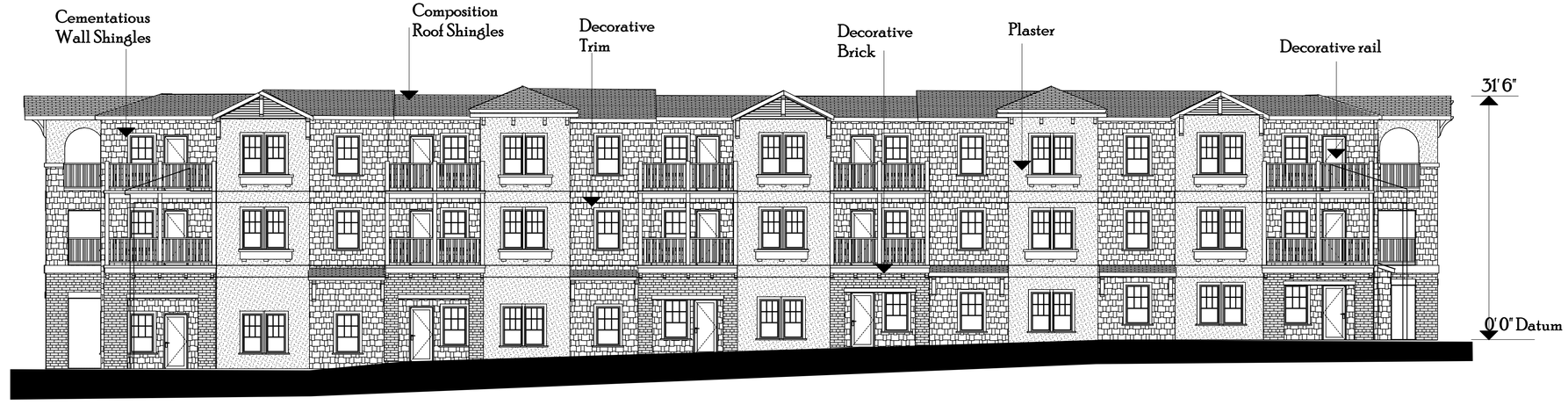
South Elevation

1/8"=1'0"



East Elevation

1/8"=1'0"



North Elevation

View from Arnold Drive

1/8"=1'0"

JOHNSON
LYMAN
ARCHITECTS

1375 Locust Street, #202, Walnut Creek, CA 94596
925.930.9690 930.9039 fax

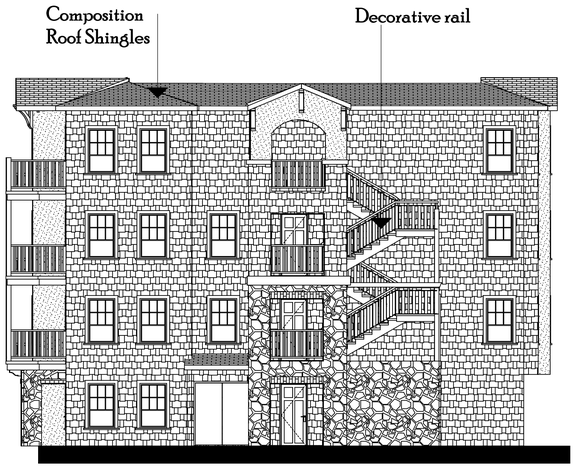
Amáre Apartment Homes

Martinez, California

Building 2 Elevation

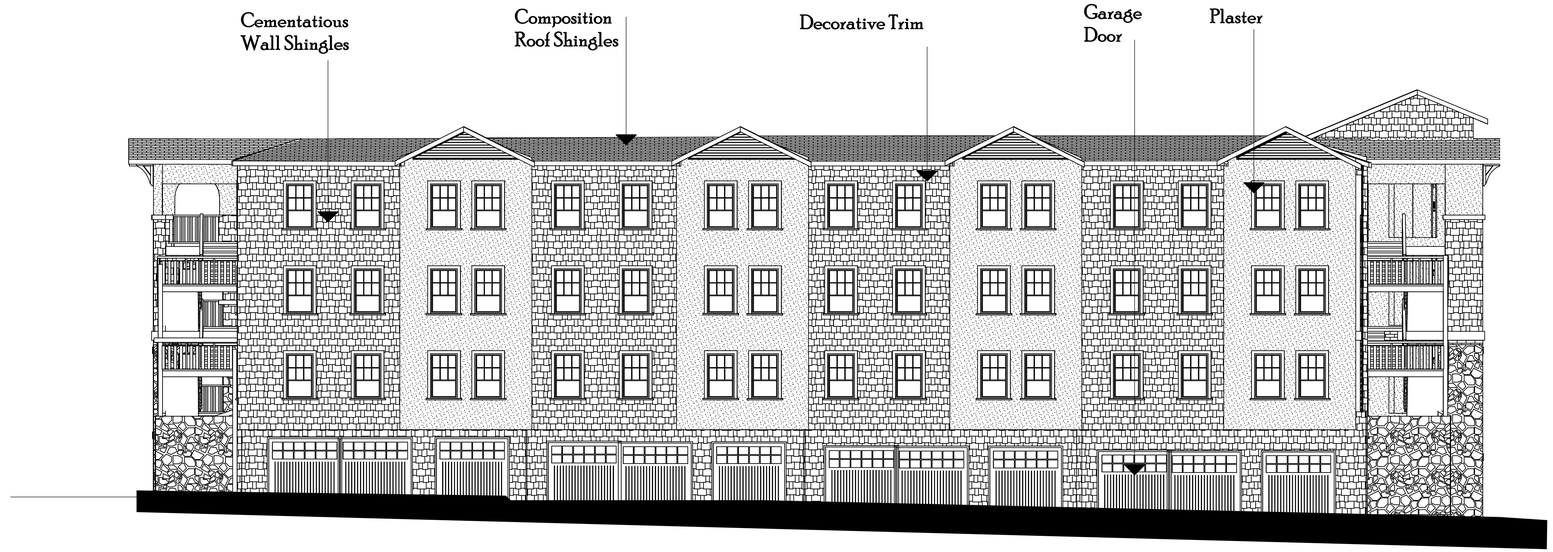
A8.2

10.1.21



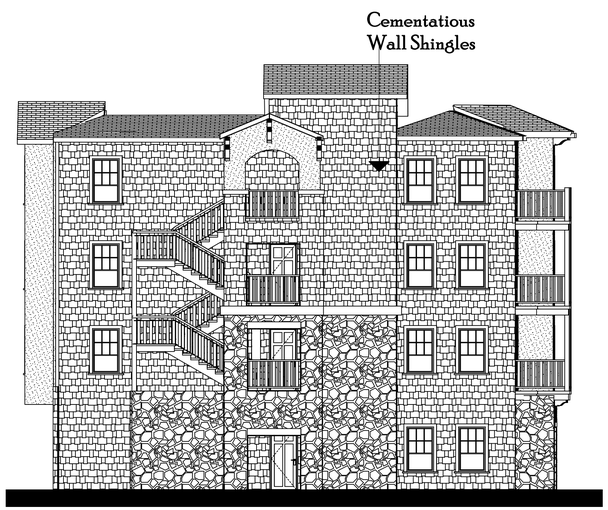
West Elevation

1/8"=1'0"



South Elevation

1/8"=1'0"



East Elevation

1/8"=1'0"

North Elevation

View from Arnold Drive

1/8"=1'0"

JOHNSON
LYMAN
ARCHITECTS

1375 Locust Street, #202, Walnut Creek, CA 94596
925.930.9690 930.9039 fax

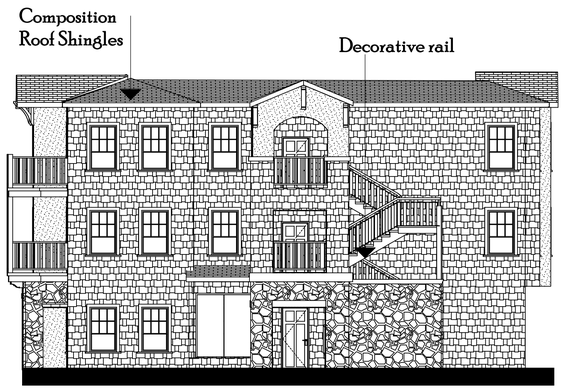
Amáre Apartment Homes

Martinez, California

Building 3 Elevation

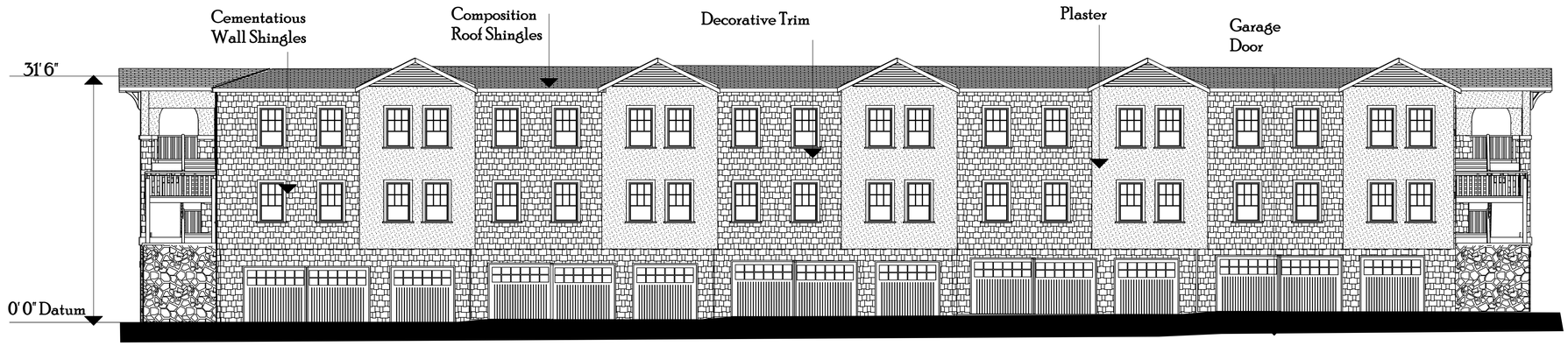
A8.3

10.1.21



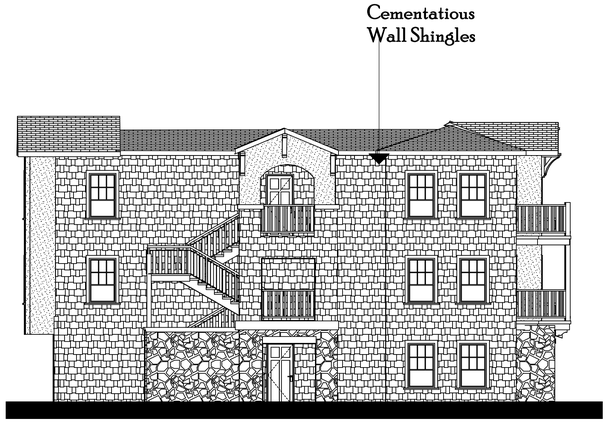
West Elevation

1/8"=1'0"



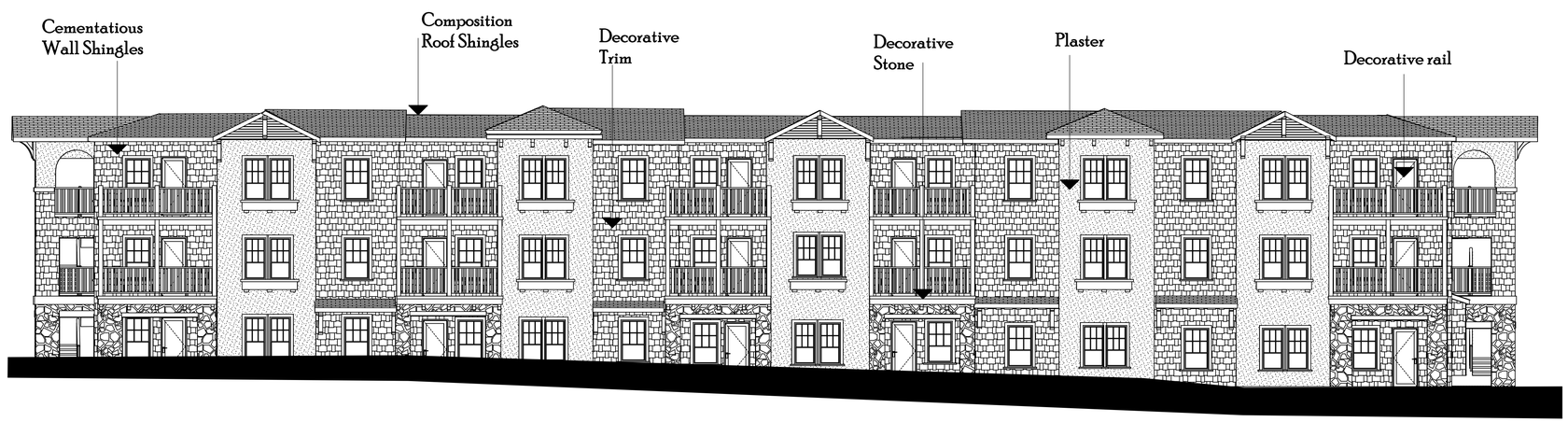
South Elevation

1/8"=1'0"



East Elevation

1/8"=1'0"



North Elevation

1/8"=1'0"

JOHNSON
LYMAN
ARCHITECTS
1375 Locust Street, #202, Walnut Creek, CA 94596
925.930.9690 930.9039 fax

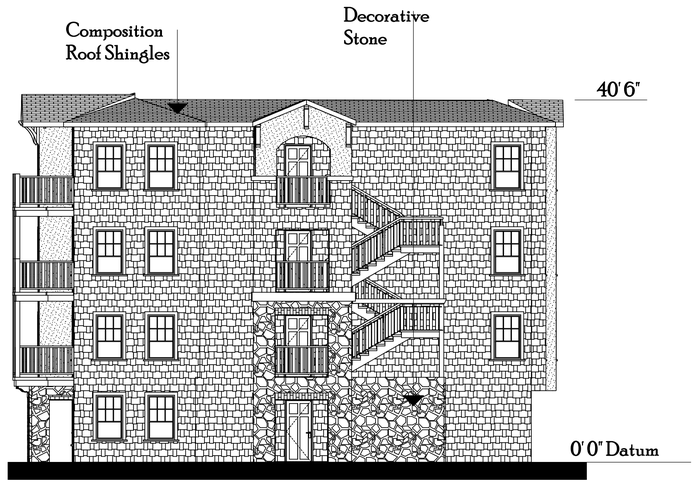
Amáre Apartment Homes

Martinez, California

Building 4 Elevation

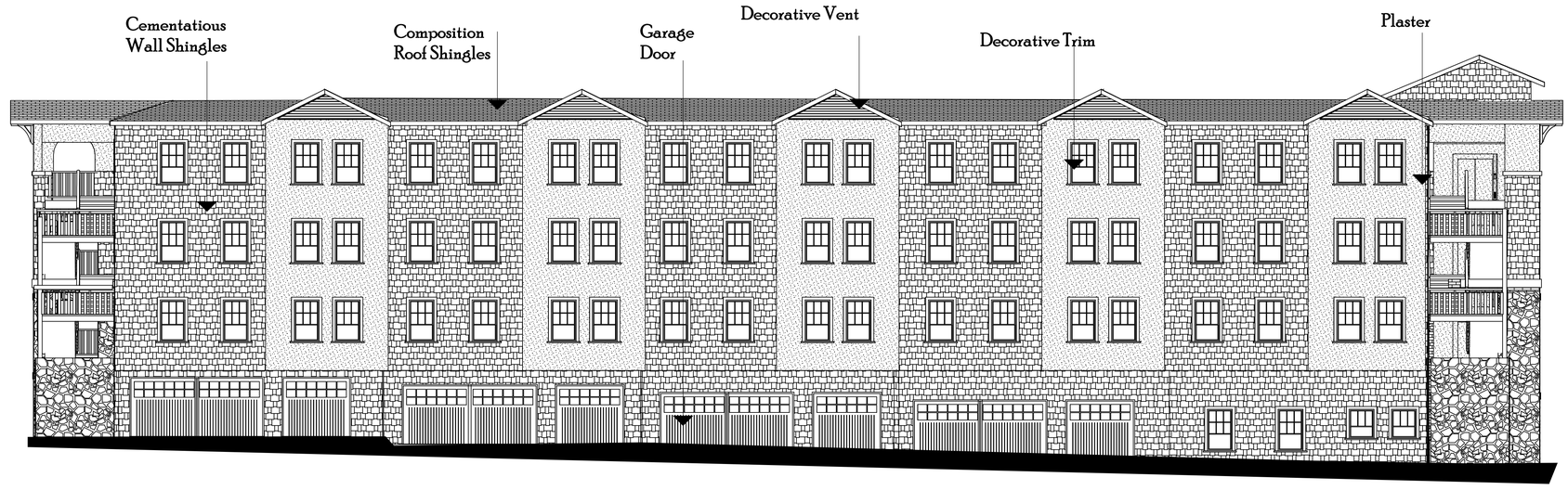
A8.4

10.1.21



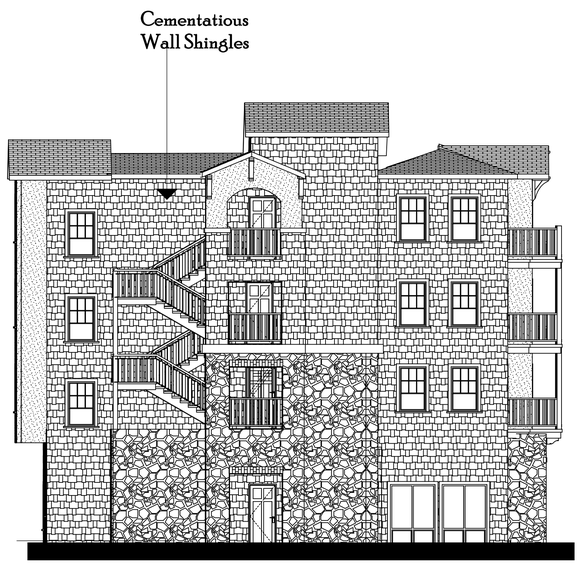
West Elevation

1/8"= 1'0"



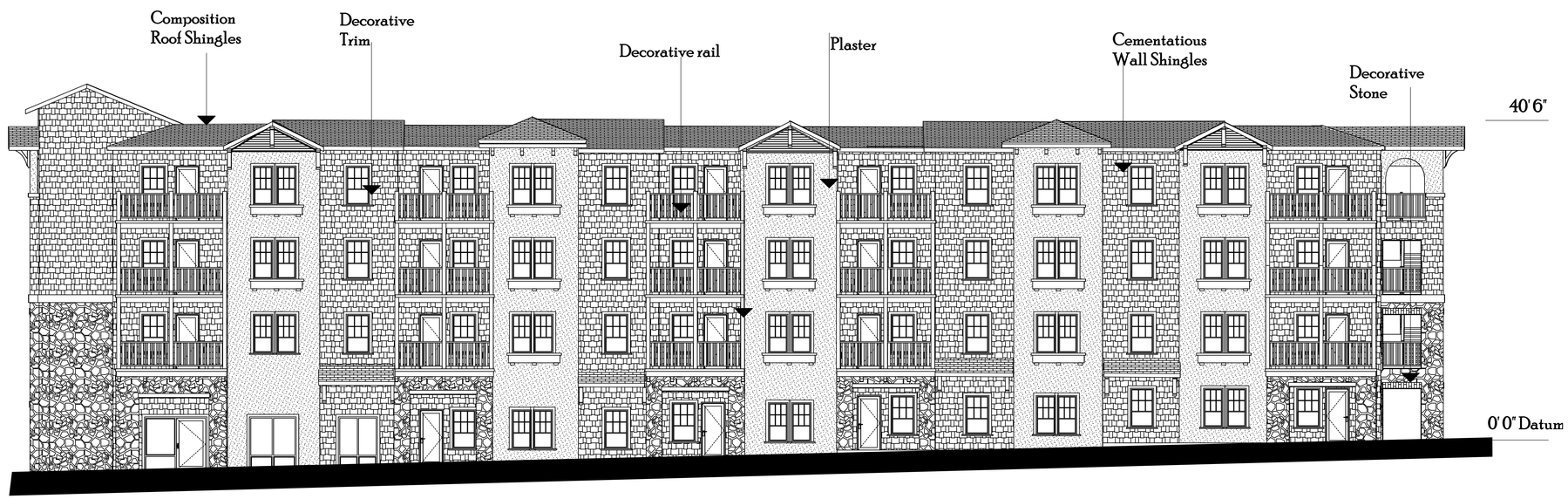
South Elevation

1/8"= 1'0"



East Elevation

1/8"= 1'0"



North Elevation

1/8"= 1'0"

JOHNSON
LYMAN
ARCHITECTS

1375 Locust Street, #202, Walnut Creek, CA 94596
925.930.9690 930.9039 fax

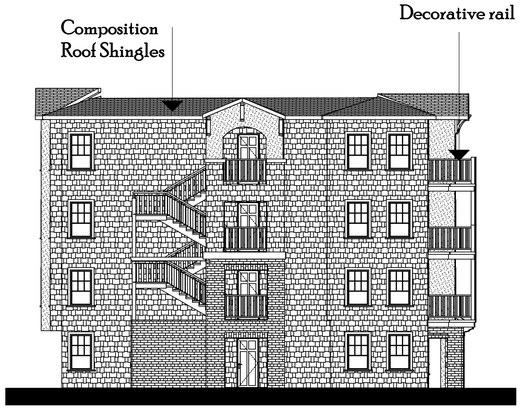
Amáre Apartment Homes

Martinez, California

Building 5 Elevation

A8.5

10.1.21

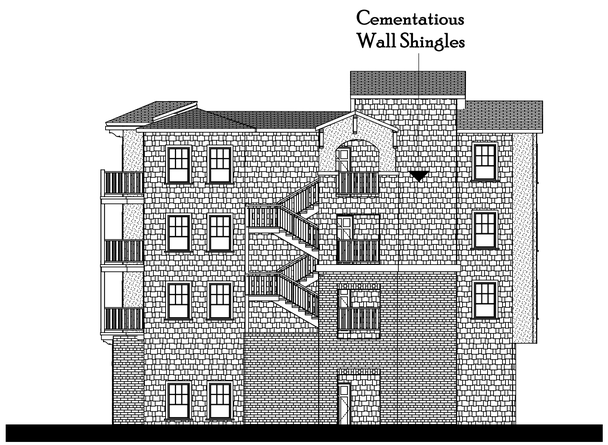


West Elevation

1" = 10'

South Elevation

1" = 10'



East Elevation

1" = 10'

North Elevation

1" = 10'

JOHNSON
LYMAN
ARCHITECTS

1375 Locust Street, #202, Walnut Creek, CA 94596
925.930.9690 930.9039 fax

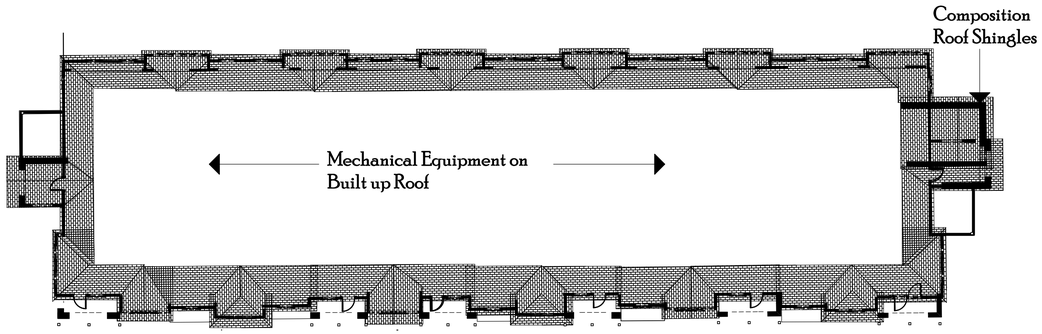
Amáre Apartment Homes

Martinez, California

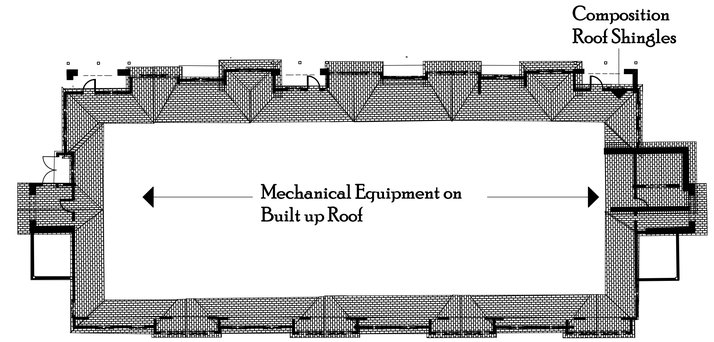
Building 6 Elevation

A8.6

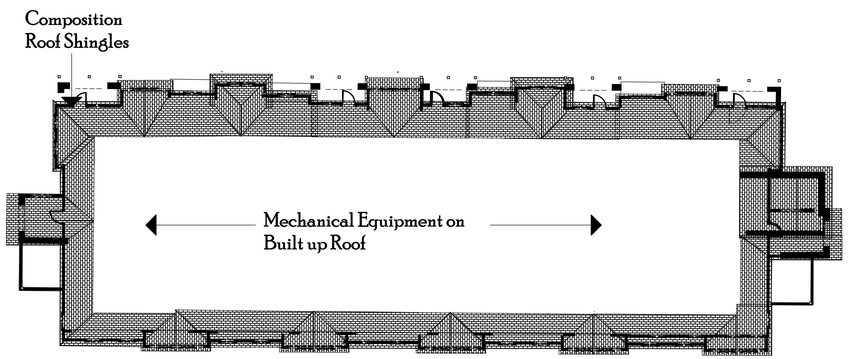
10.1.21



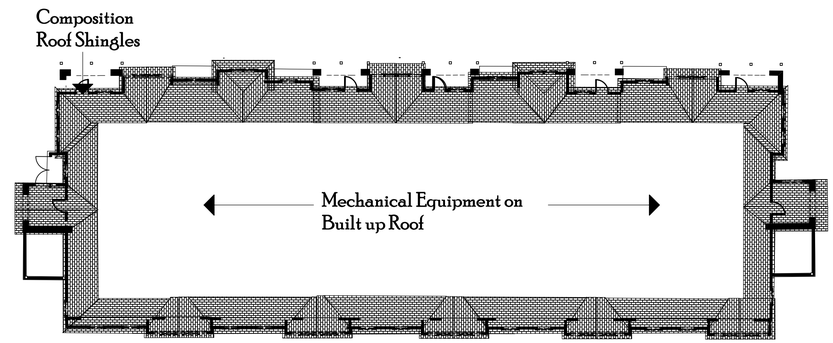
Building Six



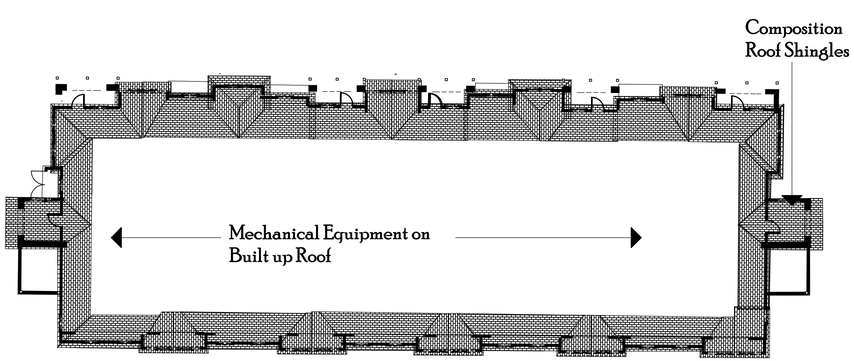
Building Three



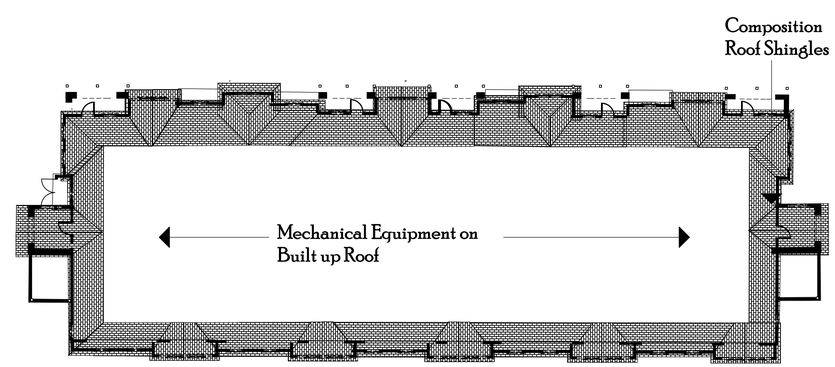
Building Five



Building Two



Building Four



Building One

JOHNSON
LYMAN
ARCHITECTS
1375 Locust Street, #202, Walnut Creek, CA 94596
925.930.9690 930.9039 fax

Amáre Apartment Homes

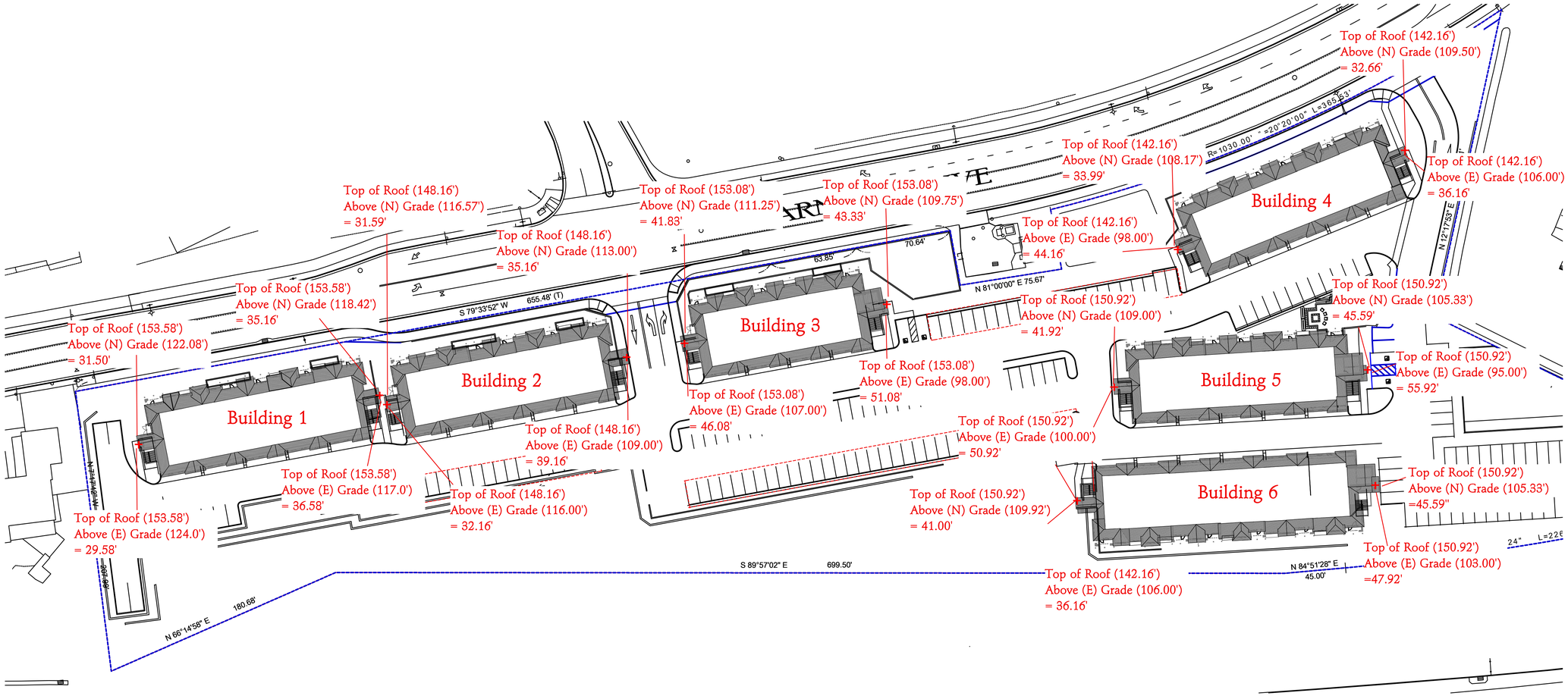
Martinez, California

Typical Roof Plan

1/16" = 1'0"

A9

10.1.21



JOHNSON
LYMAN
ARCHITECTS
1375 Locust Street, #202, Walnut Creek, CA 94596
925.930.9690 930.9039 fax

Amáre Apartment Homes

Martinez, California

Roof Height Exhibit
1" = 40'

A9A
10.1.21

SITE STATISTICS:

GROSS SITE AREA	= 263,992± SF (6.06± ACRES)
ARNOLD DR R/W DEDICATION (FOR PROPOSED 2 DECELERATION LANES)	= 4,689± SF (0.11± ACRES)
NET SITE AREA	= 259,303± SF (5.95± ACRES)
TOTAL NEW IMPERVIOUS SURFACE AREA WITHIN DMAs INCLUDING 4,450± SF IN LIEU TREATMENT AREA	= 153,875± SF
CONSTRAINT AREA = 10,040± SF	
IN-LIEU = 4,450± SF	
NET CONSTRAINT AREA = 5,590± SF	
TOTAL NEW ONSITE IMPERVIOUS SURFACE AREA	= 152,550± SF
LANDSCAPE C.3 PLANTERS AND OPEN SPACE AREA	= 106,753± SF
TOTAL DISTURBED SITE AREA	= 208,000± SF (4.77± ACRES)

EARTH QUANTITIES

EARTH QUANTITIES TO BE VERIFIED BY CONTRACTOR

CUT	11,135± CU. YDS.	
FILL	23,808± CU. YDS.	
BALANCE	12,673± CU. YDS.	IMPORT

LEGEND:

R/W DEDICATION

TYPICAL FIRE TRUCK TURN PATTERN

Scale 1" = 40'

0 20 40 80 FEET

NO.	DATE	BY	REVISIONS

SCALE	1"=40'
DATE	09/22/2021
ENGINEER	H. N.
JOB NO.	15126

REGISTERED PROFESSIONAL ENGINEER IZZAT S. NASHASHIBI No. 29528 CIVIL STATE OF CALIFORNIA

IZZAT S. NASHASHIBI R.C.E. 29528

AMARE APARTMENT HOMES

APN 161-400-009 & 010

PRELIMINARY GRADING PLAN

ARNOLD DRIVE

MARTINEZ CALIFORNIA

HUMANN COMPANY INC.

ENGINEERING – SURVEYING

1021 BROWN AVE. LAFAYETTE, CA 94549

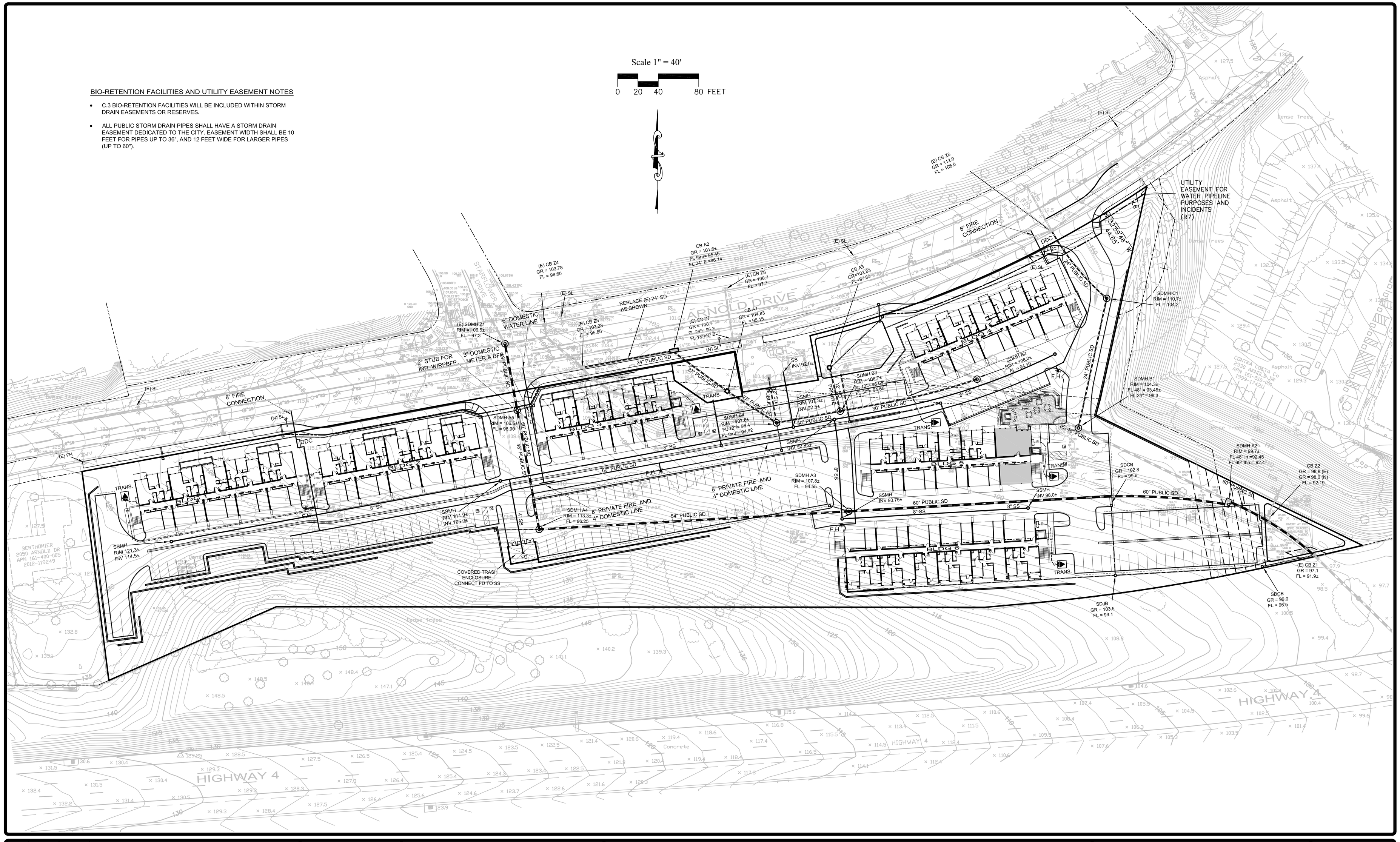
PH (925)283-5000 FAX (925)283-3578

SHEET C01 OF 7 SHEETS

JOB NO. 15126

BIO-RETENTION FACILITIES AND UTILITY EASEMENT NOTES

- C.3 BIO-RETENTION FACILITIES WILL BE INCLUDED WITHIN STORM DRAIN EASEMENTS OR RESERVES.
- ALL PUBLIC STORM DRAIN PIPES SHALL HAVE A STORM DRAIN EASEMENT DEDICATED TO THE CITY. EASEMENT WIDTH SHALL BE 10 FEET FOR PIPES UP TO 36", AND 12 FEET WIDE FOR LARGER PIPES (UP TO 60").



NO.	DATE	BY	REVISIONS

SCALE	1"=40'
DATE	09/22/2021
ENGINEER	H. N.
JOB NO.	15126

REGISTERED PROFESSIONAL ENGINEER IZZAT S. NASHASHIBI No. 29528 CIVIL STATE OF CALIFORNIA

IZZAT S. NASHASHIBI R.C.E. 29528

AMARE APARTMENT HOMES

APN 161-400-009 & 010

PRELIMINARY UTILITY PLAN

ARNOLD DRIVE

MARTINEZ CALIFORNIA

HUMANN COMPANY INC.

ENGINEERING – SURVEYING
1021 BROWN AVE. LAFAYETTE, CA 94549
PH (925)283-5000 FAX (925)283-3578

SHEET C02 OF 7 SHEETS

JOB NO. 15126

LEGEND

AC – ASPHALTIC CONCRETE
BC – BUILDING CORNER
BW – BACK OF WALK
CR – CROWN
DWY – DRIVEWAY
EB – ELECTRICAL BOX
EP – EDGE OF PAVEMENT
ETW – EDGE OF TRAVEL WAY
FL – FLOWLINE
FND – FOUND
GND – GROUND
HCR – HANDICAP RAMP
INV – INVERT
JP – JOINT POLE
LG – LIP OF GUTTER
MON – MONUMENT
PP – POWER POLE
SDJB – STORM DRAIN JUCTION BOX
SDMH – STORM DRAIN MANHOLE
TCP – TOP CENTERLINE OF PIPE
TFC – TOP FACE OF CURB
TFC@CB – TOP FACE OF CURB AT CATCH BASIN
TYP – TYPICAL
UTP – UTILITY PIPE
VLT – VAULT
W/ – WITH
WV – WATER VALVE
1" T – 1" DIAMETER TREE BASE AT GROUND

– BOUNDARY LINE
– BUILDING LINE
– EASEMENT LINE
– PARCEL LINE
– GUY WIRE
– JOINT POLE OR POWER POLE WITH ELECTROLIER
– MONUMENT
– SIGN
– TREE

RECORD DOCUMENTS

R1 DOC 2005–0395513–00, RECORDED OCTOBER 14, 2005 CONTRA COSTA COUNTY RECORDS
R2 BOOK 554, PAGE 138, RECORDED JULY 24, 1940, CONTRA COSTA COUNTY RECORDS
R3 DOC# 2005–0395514–00, RECORDED OCTOBER 14, 2005 CONTRA COSTA COUNTY RECORDS
R4 BOOK 5358, PAGE 492, RECORDED MAY 1, 1967 IN CONTRA COSTA COUNTY RECORDS
R5 BOOK 6502, PAGE 143, RECORDED OCTOBER 20, 1971 IN CONTRA COSTA COUNTY RECORDS
R6 BOOK 8482, PAGE 243, RECORDED AUGUST 26, 1977 IN CONTRA COSTA COUNTY RECORDS
R7 BOOK 6726, PAGE 232, RECORDED AUGUST 16, 1972 IN CONTRA COSTA COUNTY RECORDS
R8 BOOK 10267, PAGE 179, RECORDED APRIL 3, 1981 IN CONTRA COSTA COUNTY RECORDS
R9 BOOK 5933, PAGE 220, RECORDED AUGUST 4, 1969 IN CONTRA COSTA COUNTY RECORDS
R10 BOOK 6769, PAGE 134, RECORDED OCTOBER 10, 1972 IN CONTRA COSTA COUNTY RECORDS

LINE TABLE

LINE	BEARING	LENGTH
L1	S 10°26'08" E	41.01'
L2	N 10°26'08" W	44.65'
L3	S 32°59'46" E	43.32'
L4	S 12°17'53" W	48.95'
L5	N 80°00'00" E	25.00'
L6	S 11°03'38" E	21.95'
L7	N 68°10'38" W	17.74'
L8	N 77°26'27" E	25.00'
L9	S 68°10'38" E	17.58'

CURVE TABLE

CURVE	LENGTH	RADIUS	DELTA
C1	5.00'	1030.00'	0°16'41"
C2	67.61'	60.00'	64°33'42"

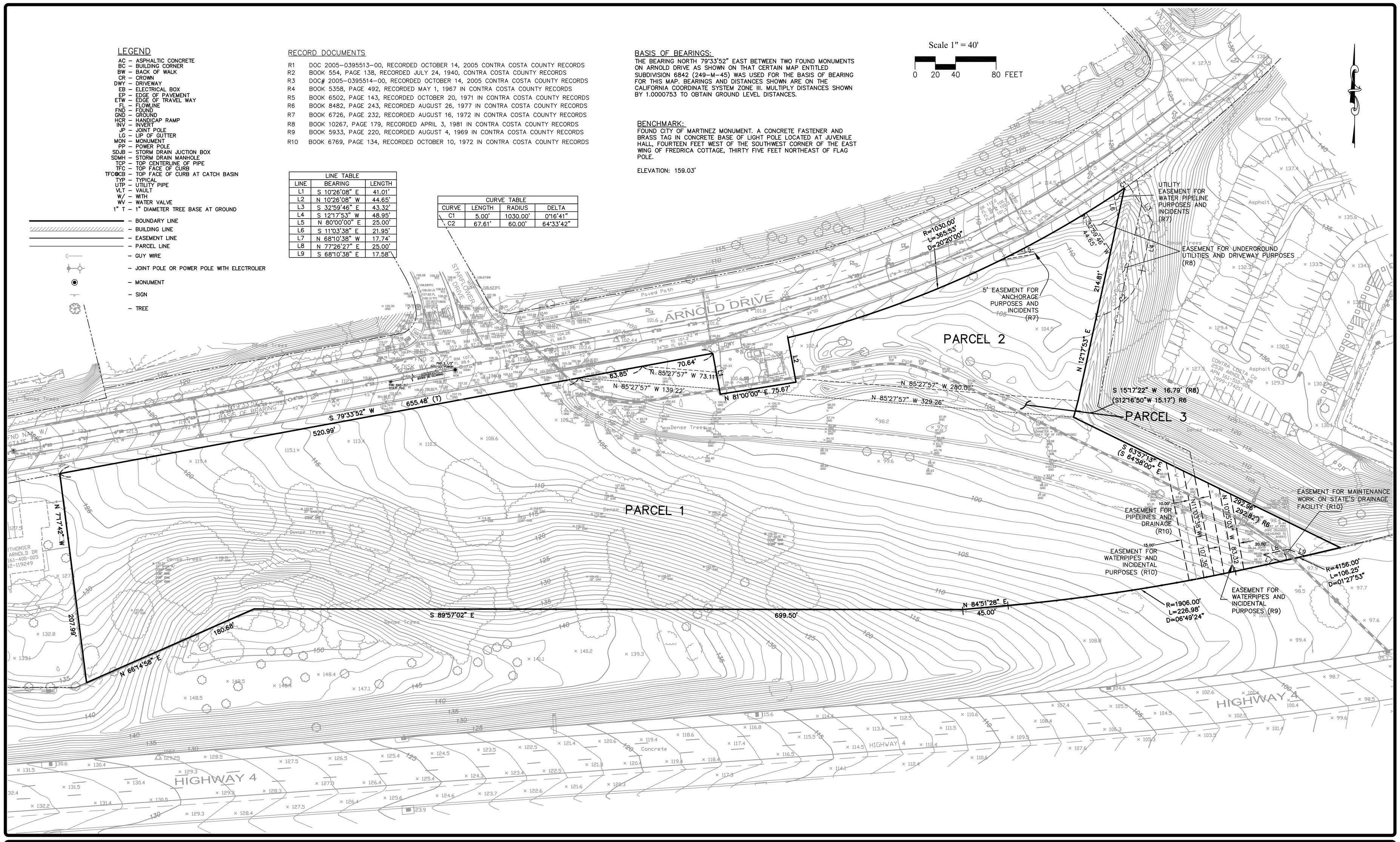
BASIS OF BEARINGS:

THE BEARING NORTH 79°33'52" EAST BETWEEN TWO FOUND MONUMENTS ON ARNOLD DRIVE AS SHOWN ON THAT CERTAIN MAP ENTITLED SUBDIVISION 6842 (249–M–45) WAS USED FOR THE BASIS OF BEARING FOR THIS MAP. BEARINGS AND DISTANCES SHOWN ARE ON THE CALIFORNIA COORDINATE SYSTEM ZONE III. MULTIPLY DISTANCES SHOWN BY 1.0000753 TO OBTAIN GROUND LEVEL DISTANCES.

BENCHMARK:

FOUND CITY OF MARTINEZ MONUMENT. A CONCRETE FASTENER AND BRASS TAG IN CONCRETE BASE OF LIGHT POLE LOCATED AT JUVENILE HALL, FOURTEEN FEET WEST OF THE SOUTHWEST CORNER OF THE EAST WING OF FREDRICA COTTAGE, THIRTY FIVE FEET NORTHEAST OF FLAG POLE.

ELEVATION: 159.03'



NO.	DATE	BY	REVISIONS

SCALE	1"=40'
DATE	06/16/2016
ENGINEER	H. N.
JOB NO.	15126

REGISTERED PROFESSIONAL ENGINEER IZZAT S. NASHASHIBI No. 29528 CIVIL STATE OF CALIFORNIA

IZZAT S. NASHASHIBI R.C.E. 29528

AMARE APARTMENT HOMES
APN 161-400-009 & 010

EXISTING CONDITIONS

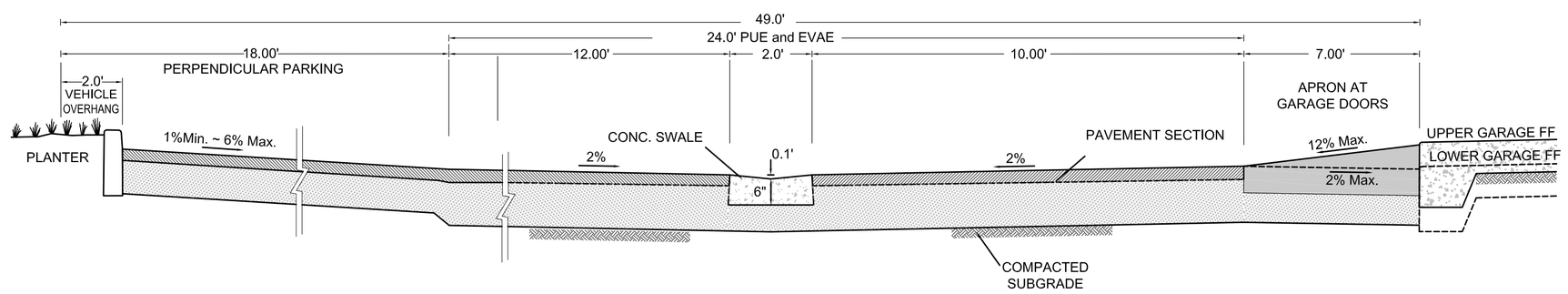
ARNOLD DRIVE

MARTINEZ CALIFORNIA

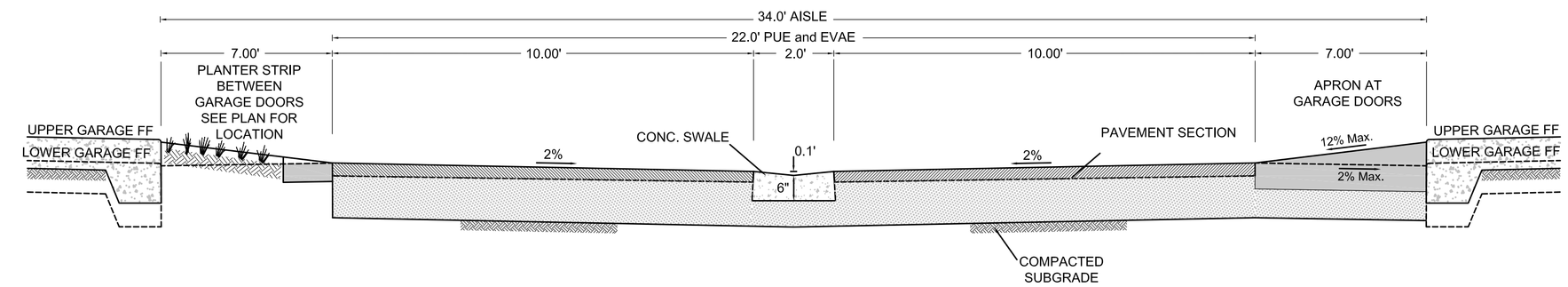
HUMANN COMPANY INC.
ENGINEERING – SURVEYING
1021 BROWN AVE. LAFAYETTE, CA 94549
PH (925)283-5000 FAX (925)283-3578

SHEET C03 OF 7 SHEETS

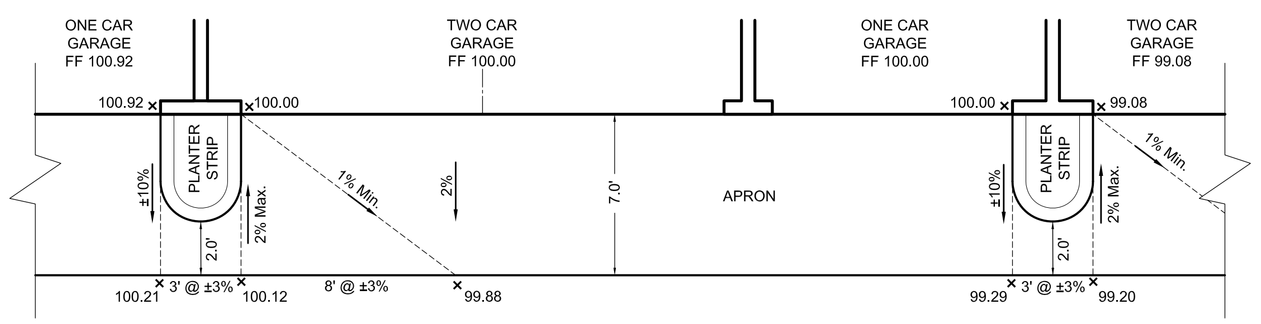
JOB NO. 15126



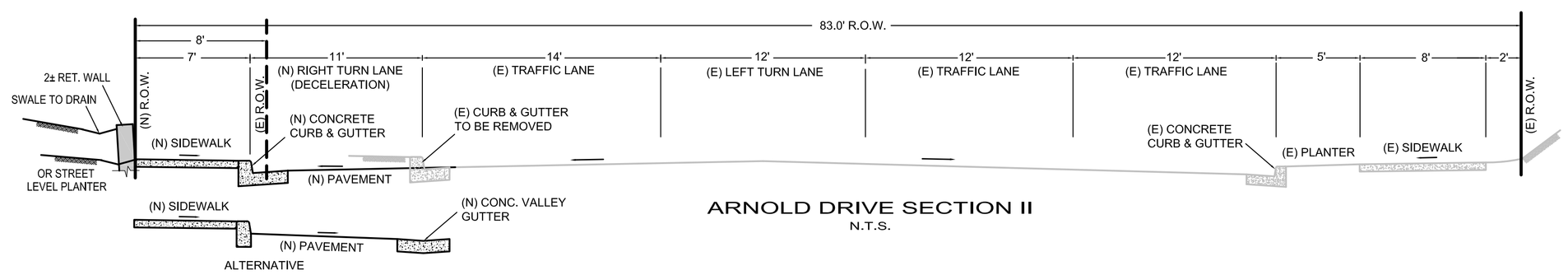
TYPICAL INTERIOR ROAD SECTION BETWEEN BUILDINGS AND PARKING STALLS
N.T.S.



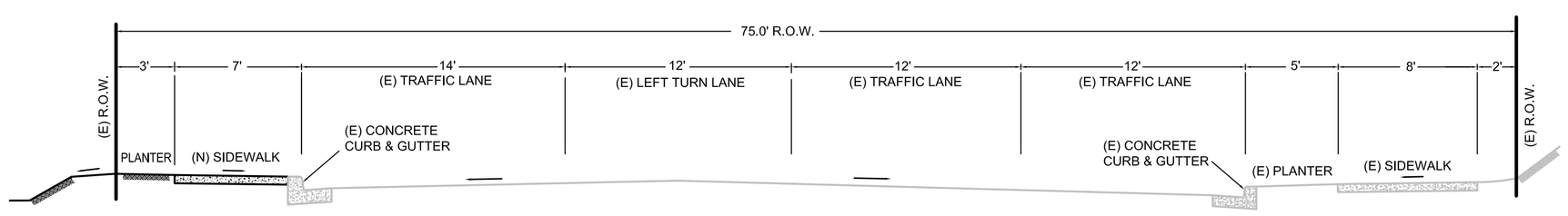
TYPICAL INTERIOR ROAD SECTION BETWEEN BUILDINGS
N.T.S.



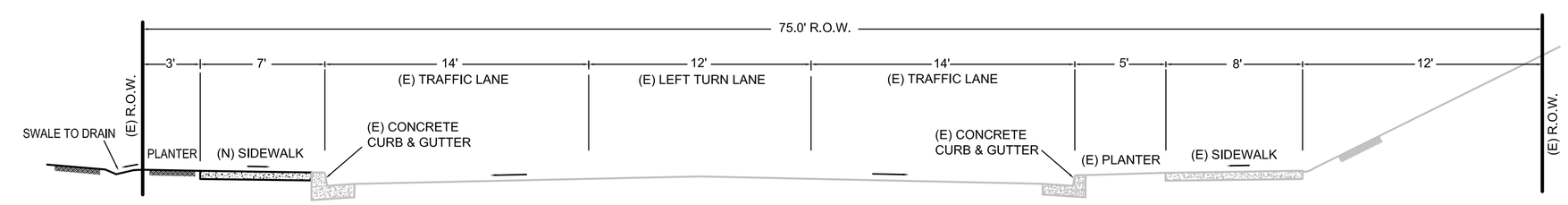
TYPICAL GARAGE APRON GRADING
N.T.S.



ARNOLD DRIVE SECTION II
N.T.S.



ARNOLD DRIVE SECTION III
N.T.S.



ARNOLD DRIVE SECTION I
N.T.S.

NO.	DATE	BY	REVISIONS

SCALE	AS NOTED
DATE	09/22/2021
ENGINEER	H. N.
JOB NO.	15126

REGISTERED PROFESSIONAL ENGINEER IZZAT S. NASHASHIBI No. 29528 CIVIL STATE OF CALIFORNIA

IZZAT S. NASHASHIBI R.C.E. 29528

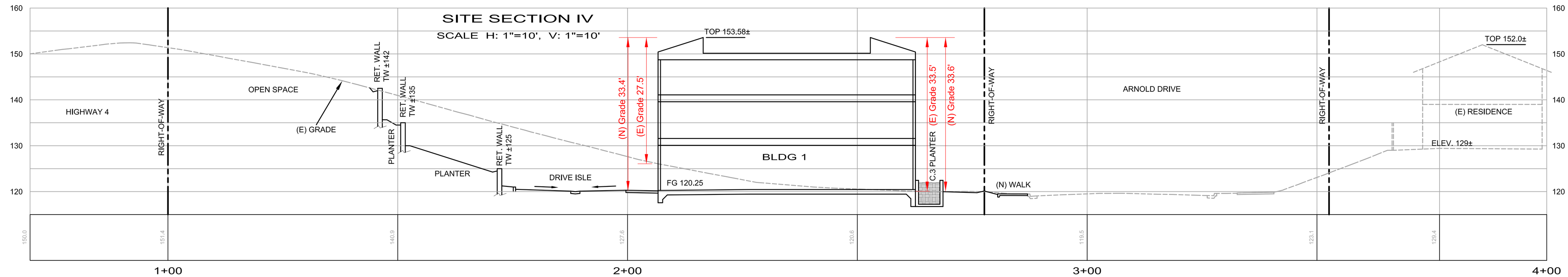
AMARE APARTMENT HOMES
APN 161-400-009 & 010
SECTIONS AND DETAILS
ARNOLD DRIVE

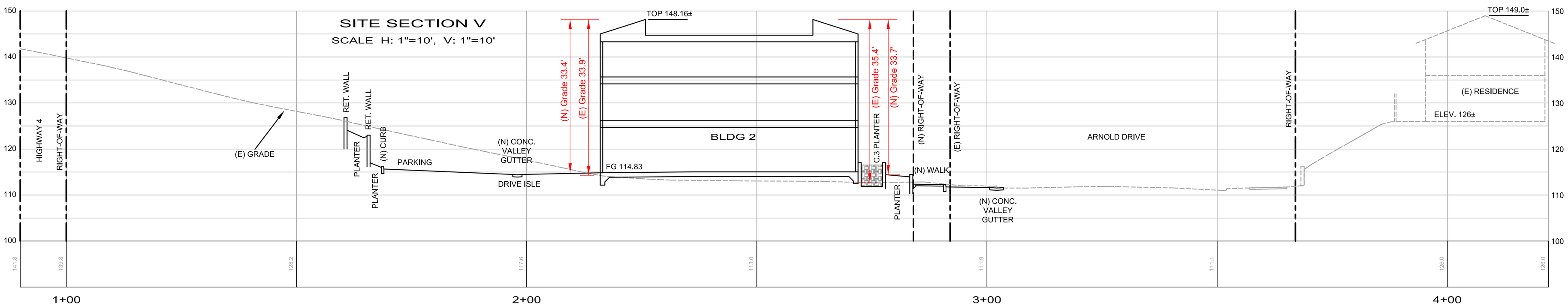
MARTINEZ CALIFORNIA

HUMANN COMPANY INC.
ENGINEERING – SURVEYING
1021 BROWN AVE. LAFAYETTE, CA 94549
PH (925)283-5000 FAX (925)283-3578

SHEET C04 OF 7 SHEETS

JOB NO. 15126





NO.	DATE	BY	REVISIONS

SCALE	AS NOTED
DATE	09/22/2021
ENGINEER	H. N.
JOB NO.	15126

REGISTERED PROFESSIONAL ENGINEER IZZAT S. NASHASHIBI No. 29528 CIVIL STATE OF CALIFORNIA

IZZAT S. NASHASHIBI R.C.E. 29528

AMARE APARTMENT HOMES
APN 161-400-009 & 010

BUILDING SECTIONS

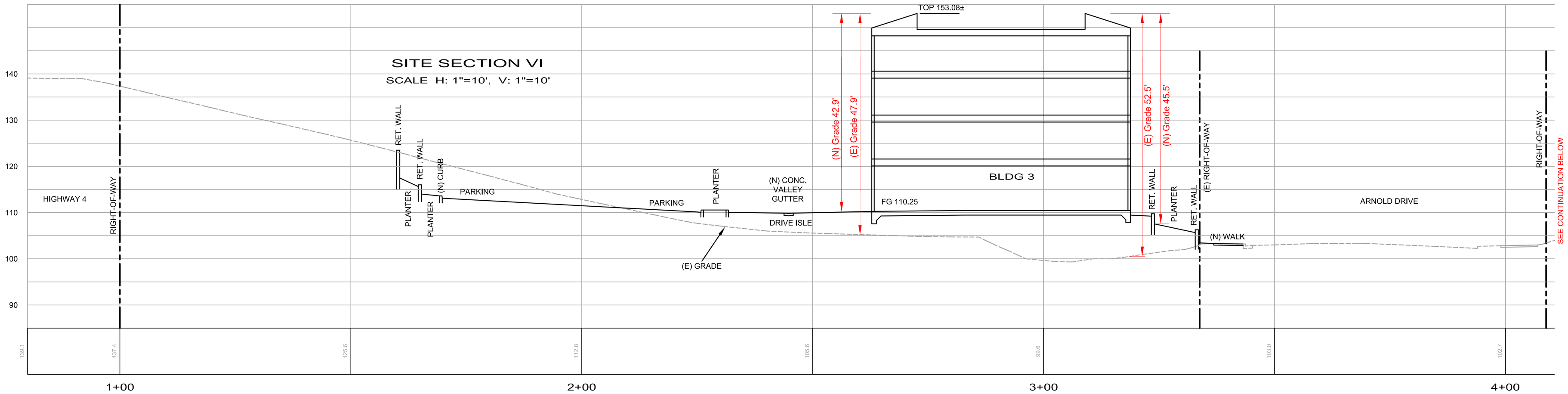
ARNOLD DRIVE

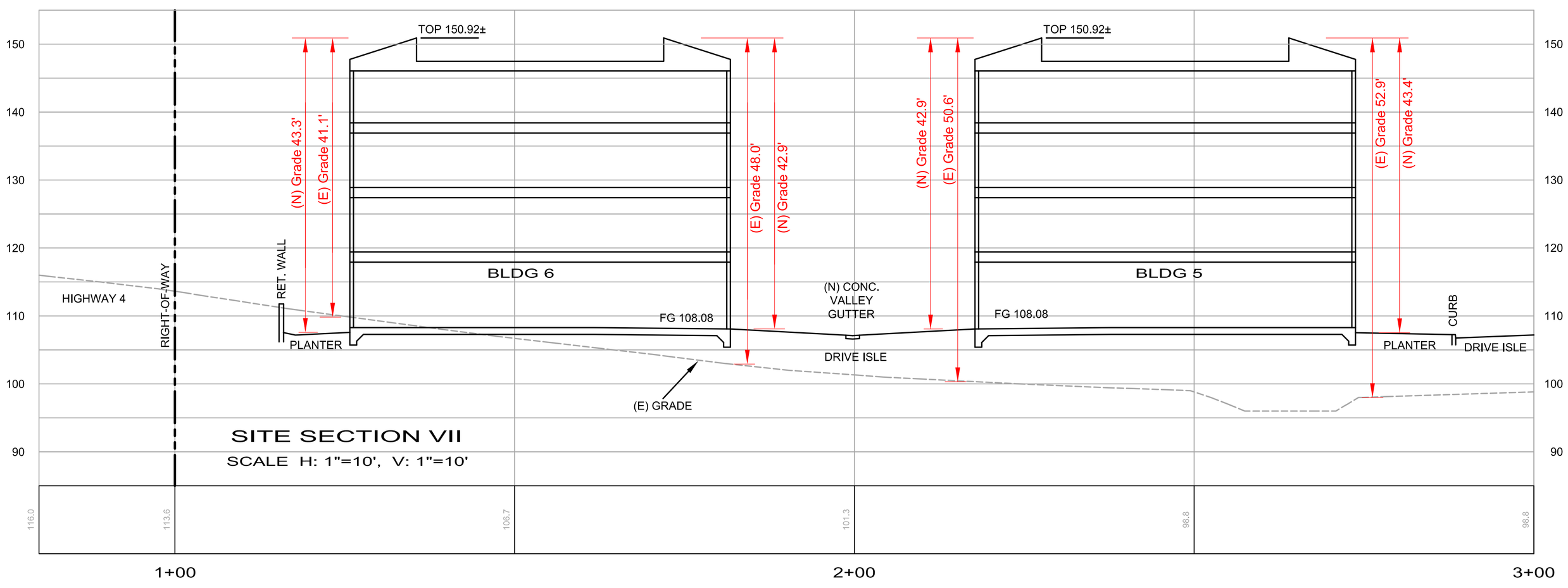
MARTINEZ CALIFORNIA

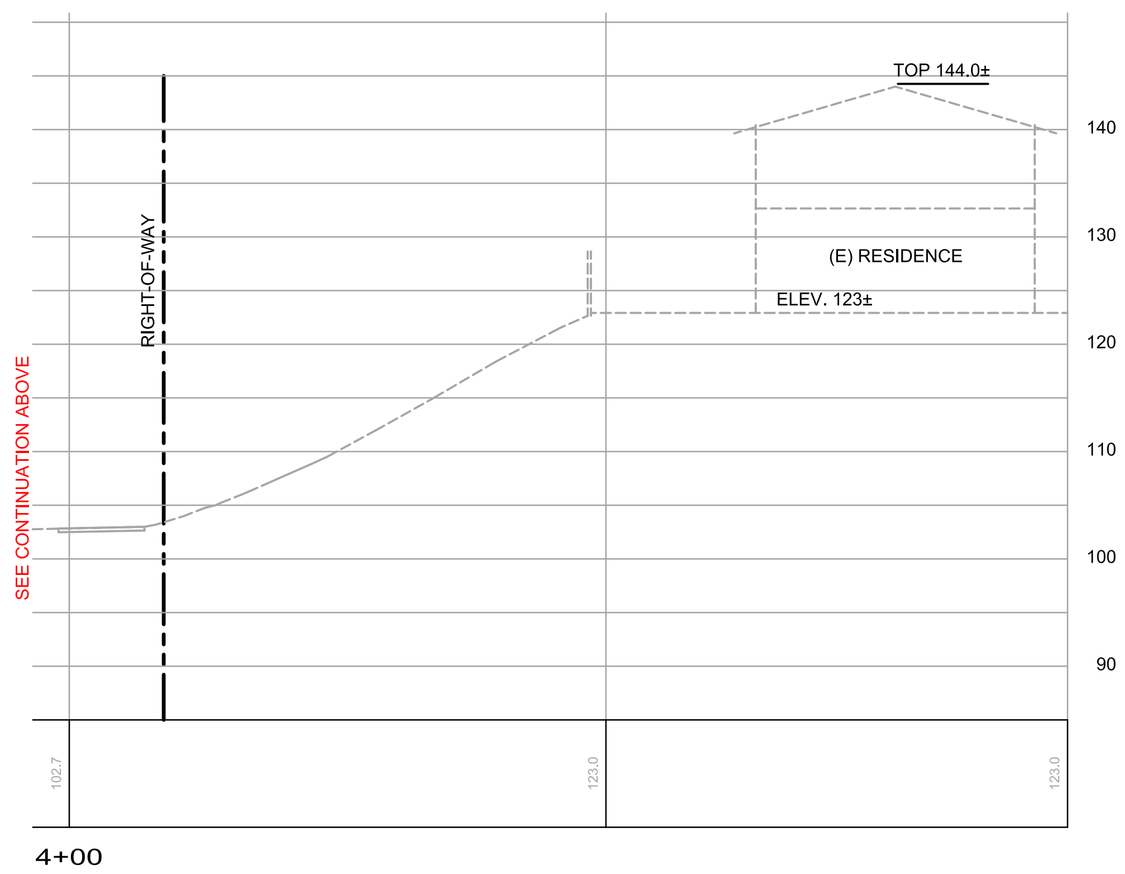
HUMANN COMPANY INC.
ENGINEERING – SURVEYING
1021 BROWN AVE. LAFAYETTE, CA 94549
PH (925)283-5000 FAX (925)283-3578

SHEET C05
OF 7 SHEETS

JOB NO. 15126







NO.	DATE	BY	REVISIONS

SCALE	AS NOTED
DATE	09/22/2021
ENGINEER	H. N.
JOB NO.	15126

REGISTERED PROFESSIONAL ENGINEER IZZAT S. NASHASHIBI No. 29528 CIVIL STATE OF CALIFORNIA

IZZAT S. NASHASHIBI R.C.E. 29528

AMARE APARTMENT HOMES
APN 161-400-009 & 010

BUILDING SECTIONS

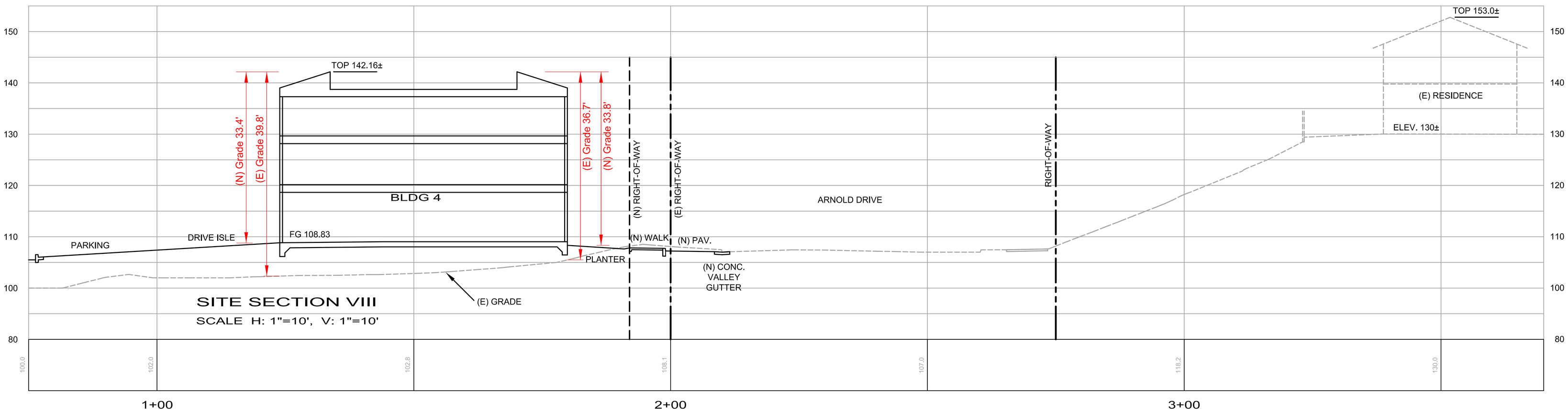
ARNOLD DRIVE

MARTINEZ CALIFORNIA

HUMANN COMPANY INC.
ENGINEERING – SURVEYING
1021 BROWN AVE. LAFAYETTE, CA 94549
PH (925)283-5000 FAX (925)283-3578

SHEET C06
OF 7 SHEETS

JOB NO. 15126



SITE SECTION VIII

SCALE H: 1"=10', V: 1"=10'

NO.	DATE	BY	REVISIONS

SCALE	AS NOTED
DATE	09/22/2021
ENGINEER	H. N.
JOB NO.	15126

REGISTERED PROFESSIONAL ENGINEER IZZAT S. NASHASHIBI No. 29528 CIVIL STATE OF CALIFORNIA

IZZAT S. NASHASHIBI R.C.E. 29528

AMARE APARTMENT HOMES

APN 161-400-009 & 010

BUILDING SECTIONS

ARNOLD DRIVE

MARTINEZ CALIFORNIA

HUMANN COMPANY INC.

ENGINEERING – SURVEYING

1021 BROWN AVE. LAFAYETTE, CA 94549

PH (925)283-5000 FAX (925)283-3578

SHEET C07

OF 7 SHEETS

JOB NO. 15126

LEGEND

- ROOFS DRAINS TO C.3 FACILITY
- IMPERVIOUS PAVING & WALKWAYS DRAIN TO C.3 FACILITY
- OFFSITE IMPERVIOUS AREA DRAINS TO C.3 FACILITY IN LIEU OF CONSTRAINT AREA
- C.3 TREATMENT & FOW CONTROL FACILITY
- UNDISTURBED AREA AND/OR SELF TREATING LANDSCAPE CONNECTED DIRECTLY TO STORM DRAIN SYSTEM
- CONSTRAINT AREA DRAINS OFFSITE (8840± SF)

DMA DRAINAGE MANAGEMENT AREA

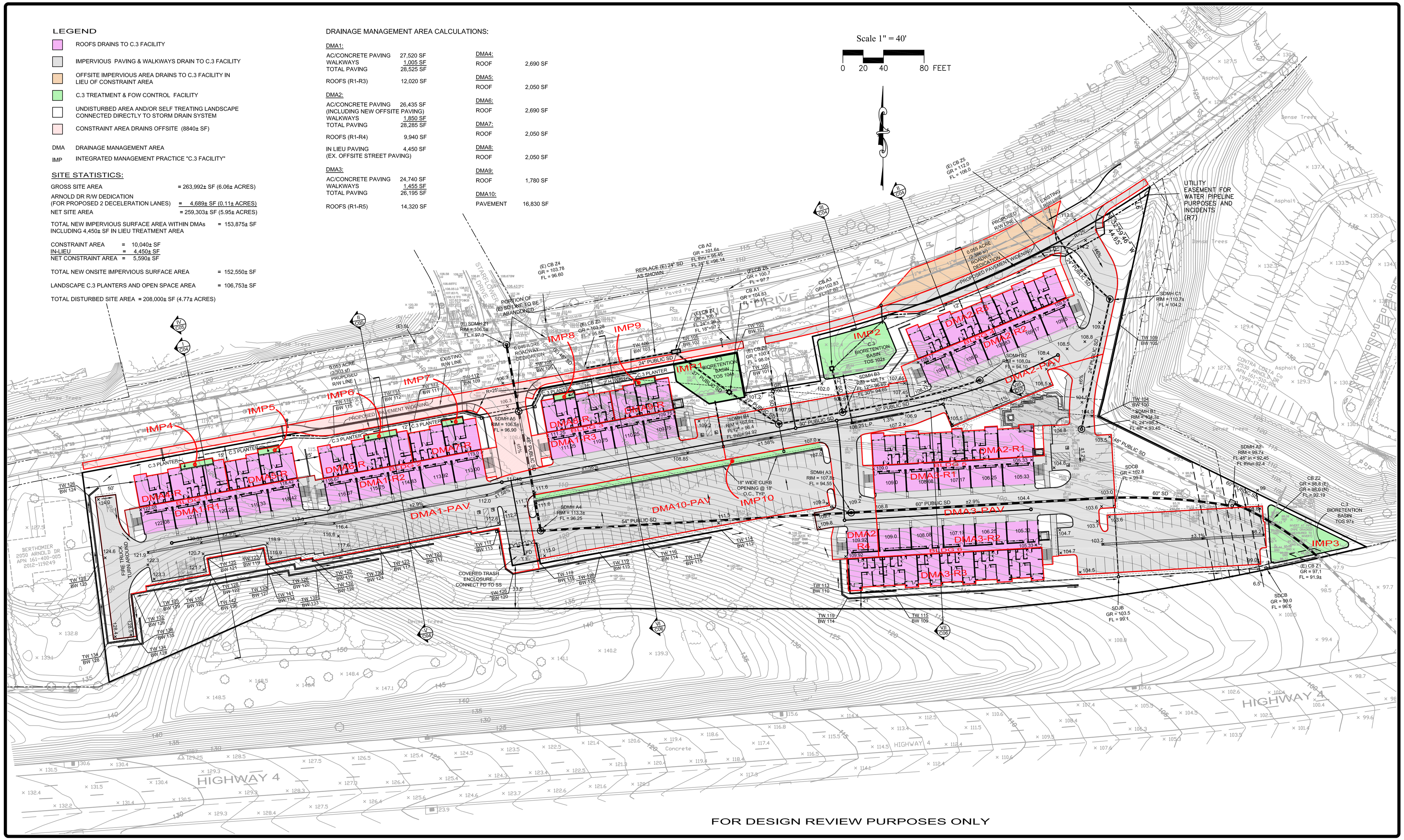
IMP INTEGRATED MANAGEMENT PRACTICE "C.3 FACILITY"

SITE STATISTICS:

GROSS SITE AREA	= 263,992± SF (6.06± ACRES)
ARNOLD DR R/W DEDICATION (FOR PROPOSED 2 DECELERATION LANES)	= 4,689± SF (0.11± ACRES)
NET SITE AREA	= 259,303± SF (5.95± ACRES)
TOTAL NEW IMPERVIOUS SURFACE AREA WITHIN DMAs INCLUDING 4,450± SF IN LIEU TREATMENT AREA	= 153,875± SF
CONSTRAINT AREA	= 10,040± SF
IN-LIEU	= 4,450± SF
NET CONSTRAINT AREA	= 5,590± SF
TOTAL NEW ONSITE IMPERVIOUS SURFACE AREA	= 152,550± SF
LANDSCAPE C.3 PLANTERS AND OPEN SPACE AREA	= 106,753± SF
TOTAL DISTURBED SITE AREA	= 208,000± SF (4.77± ACRES)

DRAINAGE MANAGEMENT AREA CALCULATIONS:

DMA1:		
AC/CONCRETE PAVING	27,520 SF	
WALKWAYS	1,005 SF	
TOTAL PAVING	28,525 SF	
ROOFS (R1-R3)	12,020 SF	
DMA2:		
AC/CONCRETE PAVING (INCLUDING NEW OFFSITE PAVING)	26,435 SF	
WALKWAYS	1,850 SF	
TOTAL PAVING	28,285 SF	
ROOFS (R1-R4)	9,940 SF	
IN LIEU PAVING (EX. OFFSITE STREET PAVING)	4,450 SF	
DMA3:		
AC/CONCRETE PAVING	24,740 SF	
WALKWAYS	1,455 SF	
TOTAL PAVING	26,195 SF	
ROOFS (R1-R5)	14,320 SF	
DMA4:		
ROOF		2,690 SF
DMA5:		
ROOF		2,050 SF
DMA6:		
ROOF		2,690 SF
DMA7:		
ROOF		2,050 SF
DMA8:		
ROOF		2,050 SF
DMA9:		
ROOF		1,780 SF
DMA10:		
PAVEMENT		16,830 SF



NO.	DATE	BY	REVISIONS

SCALE	1"=40'
DATE	09/22/2021
ENGINEER	H. N.
JOB NO.	15126

REGISTERED PROFESSIONAL ENGINEER IZZAT S. NASHASHIBI No. 29528 CIVIL STATE OF CALIFORNIA

IZZAT S. NASHASHIBI R.C.E. 29528

AMARE APARTMENT HOMES
APN 161-400-009 & 010

STORM WATER CONTROL PLAN EXHIBIT

ARNOLD DRIVE

MARTINEZ CALIFORNIA

HUMANN COMPANY INC.
ENGINEERING – SURVEYING
1021 BROWN AVE. LAFAYETTE, CA 94549
PH (925)283-5000 FAX (925)283-3578

SHEET C.3-1
OF 2 SHEETS

JOB NO. 15126

Project Name: AMARE APARTMENT HOMES
Project Type: Treatment and Flow Control
Location: ARNOLD DRIVE, MARTINEZ
APN: 161-100-009 & 010
Drainage Area: 163927 sf
Mean Annual Precipitation: 17 in

IV. Areas Draining to IMPs

IMP Name: IMP1 (Soil Type: D)
IMP Type: Bioretention Facility
Soil Type: D

DMA Name	DMA Area (sq ft)	Post-Project Surface Type	DMA Runoff Factor	DMA Area x Runoff Factor	IMP Sizing			
					IMP Sizing Factor	Rain Adjustment Factor	Minimum Area or Volume	Proposed Area or Volume
DMA1-PAV	28,525	Concrete or Asphalt	1.00	28,525				
DMA1-ROOFS	12,020	Conventional Roof	1.00	12,020				
Total				40,545				
Area					0.050	1.141	2,313	2,370
Surface Volume					0.042	1.141	1,943	1,974
Subsurface Volume					0.055	1.141	2,544	2,607
Maximum Underdrain Flow (cfs)								0.06
Orifice Diameter (in)								1.57

IMP Name: IMP2 (Soil Type: D)
IMP Type: Bioretention Facility
Soil Type: D

DMA Name	DMA Area (sq ft)	Post-Project Surface Type	DMA Runoff Factor	DMA Area x Runoff Factor	IMP Sizing			
					IMP Sizing Factor	Rain Adjustment Factor	Minimum Area or Volume	Proposed Area or Volume
DMA2-PAV	28,285	Concrete or Asphalt	1.00	28,285				
DMA2-ROOFS	9,940	Conventional Roof	1.00	9,940				
DMA2-IN LIEU	4,450	Concrete or Asphalt	1.00	4,450				
Total				42,675				
Area					0.050	1.141	2,434	2,989
Surface Volume					0.042	1.141	2,045	2,487
Subsurface Volume					0.055	1.141	2,678	3,285
Maximum Underdrain Flow (cfs)								0.06
Orifice Diameter (in)								1.61

IMP Name: IMP3 (Soil Type: D)
IMP Type: Bioretention Facility
Soil Type: D

DMA Name	DMA Area (sq ft)	Post-Project Surface Type	DMA Runoff Factor	DMA Area x Runoff Factor	IMP Sizing			
					IMP Sizing Factor	Rain Adjustment Factor	Minimum Area or Volume	Proposed Area or Volume
DMA3-PAV	26,195	Concrete or Asphalt	1.00	26,195				
DMA3-ROOFS	14,320	Conventional Roof	1.00	14,320				
Total				40,515				
Area					0.050	1.141	2,311	2,490
Surface Volume					0.042	1.141	1,941	2,075
Subsurface Volume					0.055	1.141	2,542	2,740
Maximum Underdrain Flow (cfs)								0.06
Orifice Diameter (in)								1.57

IMP Name: IMP4 (Soil Type: D)
IMP Type: Flow-Through Planter
Soil Type: D

DMA Name	DMA Area (sq ft)	Post-Project Surface Type	DMA Runoff Factor	DMA Area x Runoff Factor	IMP Sizing			
					IMP Sizing Factor	Rain Adjustment Factor	Minimum Area or Volume	Proposed Area or Volume
DMA4-ROOF	2,690	Conventional Roof	1.00	2,690				
Total				2,690				
Area					0.050	1.141	153	158
Surface Volume					0.042	1.141	129	132
Subsurface Volume					0.055	1.141	169	173
Maximum Underdrain Flow (cfs)								0.00
Orifice Diameter (in)								0.38

IMP Name: IMP5 (Soil Type: D)
IMP Type: Flow-Through Planter
Soil Type: D

DMA Name	DMA Area (sq ft)	Post-Project Surface Type	DMA Runoff Factor	DMA Area x Runoff Factor	IMP Sizing			
					IMP Sizing Factor	Rain Adjustment Factor	Minimum Area or Volume	Proposed Area or Volume
DMA5-ROOF	2,050	Conventional Roof	1.00	2,050				
Total				2,050				
Area					0.050	1.141	117	120
Surface Volume					0.042	1.141	98	100
Subsurface Volume					0.055	1.141	129	132
Maximum Underdrain Flow (cfs)								0.00
Orifice Diameter (in)								0.33

IMP Name: IMP6 (Soil Type: D)
IMP Type: Flow-Through Planter
Soil Type: D

DMA Name	DMA Area (sq ft)	Post-Project Surface Type	DMA Runoff Factor	DMA Area x Runoff Factor	IMP Sizing			
					IMP Sizing Factor	Rain Adjustment Factor	Minimum Area or Volume	Proposed Area or Volume
DMA6-ROOF	2,690	Conventional Roof	1.00	2,690				
Total				2,690				
Area					0.050	1.141	153	158
Surface Volume					0.042	1.141	129	132
Subsurface Volume					0.055	1.141	169	173
Maximum Underdrain Flow (cfs)								0.00
Orifice Diameter (in)								0.38

IMP Name: IMP7 (Soil Type: D)
IMP Type: Flow-Through Planter
Soil Type: D

DMA Name	DMA Area (sq ft)	Post-Project Surface Type	DMA Runoff Factor	DMA Area x Runoff Factor	IMP Sizing			
					IMP Sizing Factor	Rain Adjustment Factor	Minimum Area or Volume	Proposed Area or Volume
DMA7-ROOF	2,050	Conventional Roof	1.00	2,050				
Total				2,050				
Area					0.050	1.141	117	120
Surface Volume					0.042	1.141	98	100
Subsurface Volume					0.055	1.141	129	132
Maximum Underdrain Flow (cfs)								0.00
Orifice Diameter (in)								0.33

IMP Name: IMP8 (Soil Type: D)
IMP Type: Flow-Through Planter
Soil Type: D

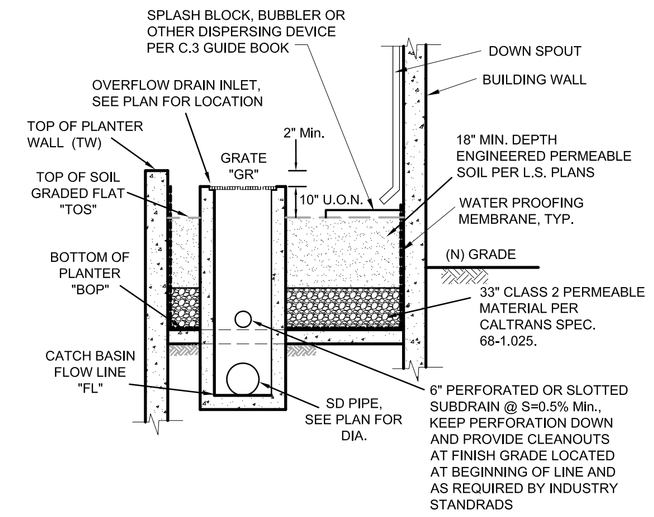
DMA Name	DMA Area (sq ft)	Post-Project Surface Type	DMA Runoff Factor	DMA Area x Runoff Factor	IMP Sizing			
					IMP Sizing Factor	Rain Adjustment Factor	Minimum Area or Volume	Proposed Area or Volume
DMA8-ROOF	2,050	Conventional Roof	1.00	2,050				
Total				2,050				
Area					0.050	1.141	117	120
Surface Volume					0.042	1.141	98	100
Subsurface Volume					0.055	1.141	129	132
Maximum Underdrain Flow (cfs)								0.00
Orifice Diameter (in)								0.33

IMP Name: IMP9 (Soil Type: D)
IMP Type: Flow-Through Planter
Soil Type: D

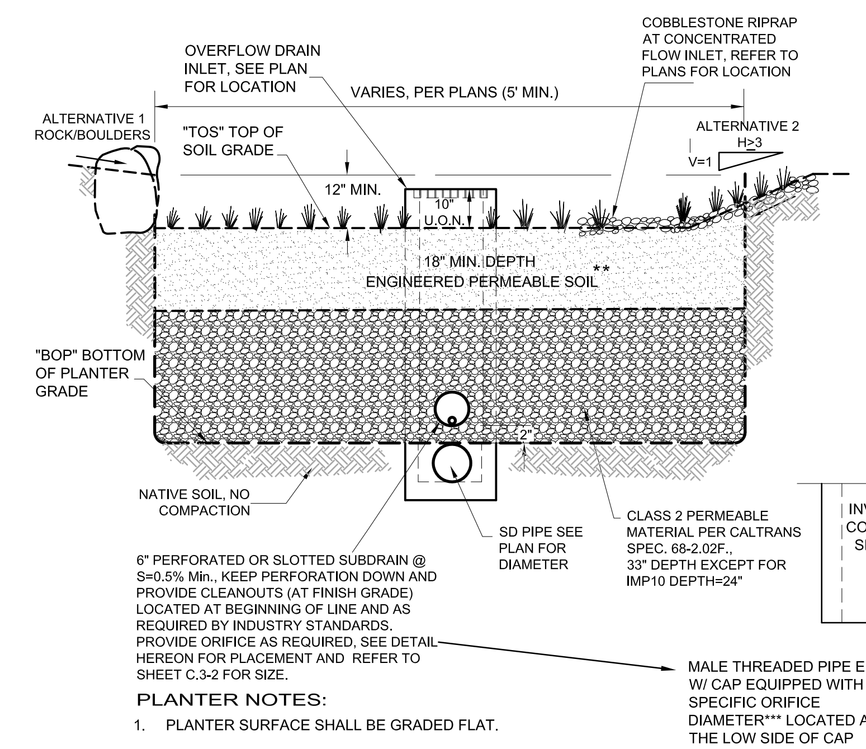
DMA Name	DMA Area (sq ft)	Post-Project Surface Type	DMA Runoff Factor	DMA Area x Runoff Factor	IMP Sizing			
					IMP Sizing Factor	Rain Adjustment Factor	Minimum Area or Volume	Proposed Area or Volume
DMA9-ROOF	1,780	Conventional Roof	1.00	1,780				
Total				1,780				
Area					0.050	1.141	102	110
Surface Volume					0.042	1.141	85	90
Subsurface Volume					0.055	1.141	112	122
Maximum Underdrain Flow (cfs)								0.00
Orifice Diameter (in)								0.31

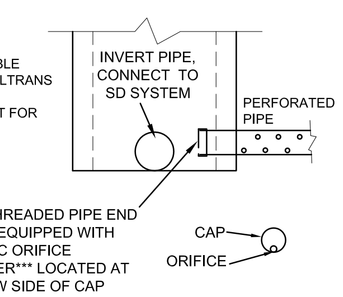
IMP Name: IMP10 (Soil Type: D)
IMP Type: Flow-Through Planter
Soil Type: D

DMA Name	DMA Area (sq ft)	Post-Project Surface Type	DMA Runoff Factor	DMA Area x Runoff Factor	IMP Sizing			
					IMP Sizing Factor	Rain Adjustment Factor	Minimum Area or Volume	Proposed Area or Volume
DMA10-PAV	16,830	Concrete or Asphalt	1.00	16,830				
Total				16,830				
Area					0.050	1.141	960	1,420
Surface Volume					0.042	1.141	806	1,183
Subsurface Volume					0.055	1.141	1,056	1,136
Maximum Underdrain Flow (cfs)								0.02
Orifice Diameter (in)								0.94



FLOW-THROUGH PLANTER
N. T. S.





PLANTER NOTES:

1. PLANTER SURFACE SHALL BE GRADED FLAT.
2. ADDITIONAL ATTENTION SHOULD BE DIRECTED TO ENSURE ALL LANDSCAPED AREAS ARE VEGETATED AND STABILIZED BEFORE THE BIORETENTION FACILITIES ARE BROUGHT ON-LINE.
3. ALL PERFORATED PIPE SHALL HAVE A MINIMUM DIAMETER OF 6" AND A MINIMUM OF THREE 3/4" DIA. HOLES EVENLY SPACED ALONG THE CIRCUMFERENCE OF THE PIPE AND NOT LESS THAN THREE HOLES PER LINEAL FOOT OF PIPE.
4. PLANTINGS MAY INCLUDE TREES; USE STRUCTURAL SOIL AS SHOWN ON C.C.Co. CLEAN WATER PROGRAM STORMWATER (C.3) GUIDEBOOK, 6TH EDITION. MINIMUM LONG TERM INFILTRATION RATE 5" PER HOUR.

** REFER TO LANDSCAPE PLANS AND TO C.C.Co. CLEAN WATER PROGRAM STORMWATER (C.3) GUIDEBOOK, 6TH EDITION, APPENDIX B, ATTACHMENT L, FOR THE ENGINEERED SOIL MIX SPECIFICATIONS PRIOR TO ORDERING THE MIX.

BIORETENTION BASIN TYPICAL SECTION
N.T.S.

FOR DESIGN REVIEW PURPOSES ONLY

NO.	DATE	BY	REVISIONS

SCALE	AS NOTED
DATE	09/22/2021
ENGINEER	H. N.
JOB NO.	15126

REGISTERED PROFESSIONAL ENGINEER IZZAT S. NASHASHIBI No. 29528 CIVIL STATE OF CALIFORNIA

IZZAT S. NASHASHIBI R.C.E. 29528

AMARE APARTMENT HOMES
APN 161-400-009 & 010
STORM WATER CONTROL PLAN EXHIBIT
ARNOLD DRIVE
MARTINEZ CALIFORNIA

HUMANN COMPANY INC.
ENGINEERING – SURVEYING
1021 BROWN AVE. LAFAYETTE, CA 94549
PH (925)283-5000 FAX (925)283-3578

SHEET C.3-2
OF 2 SHEETS
JOB NO. 15126

LEGEND

- RANGE 1 (0 TO 10%)
- RANGE 2 (10 TO 15%)
- RANGE 3 (15 TO 20%)
- RANGE 4 (20 TO 30%)
- RANGE 5 (30% & OVER)

Range Statistics

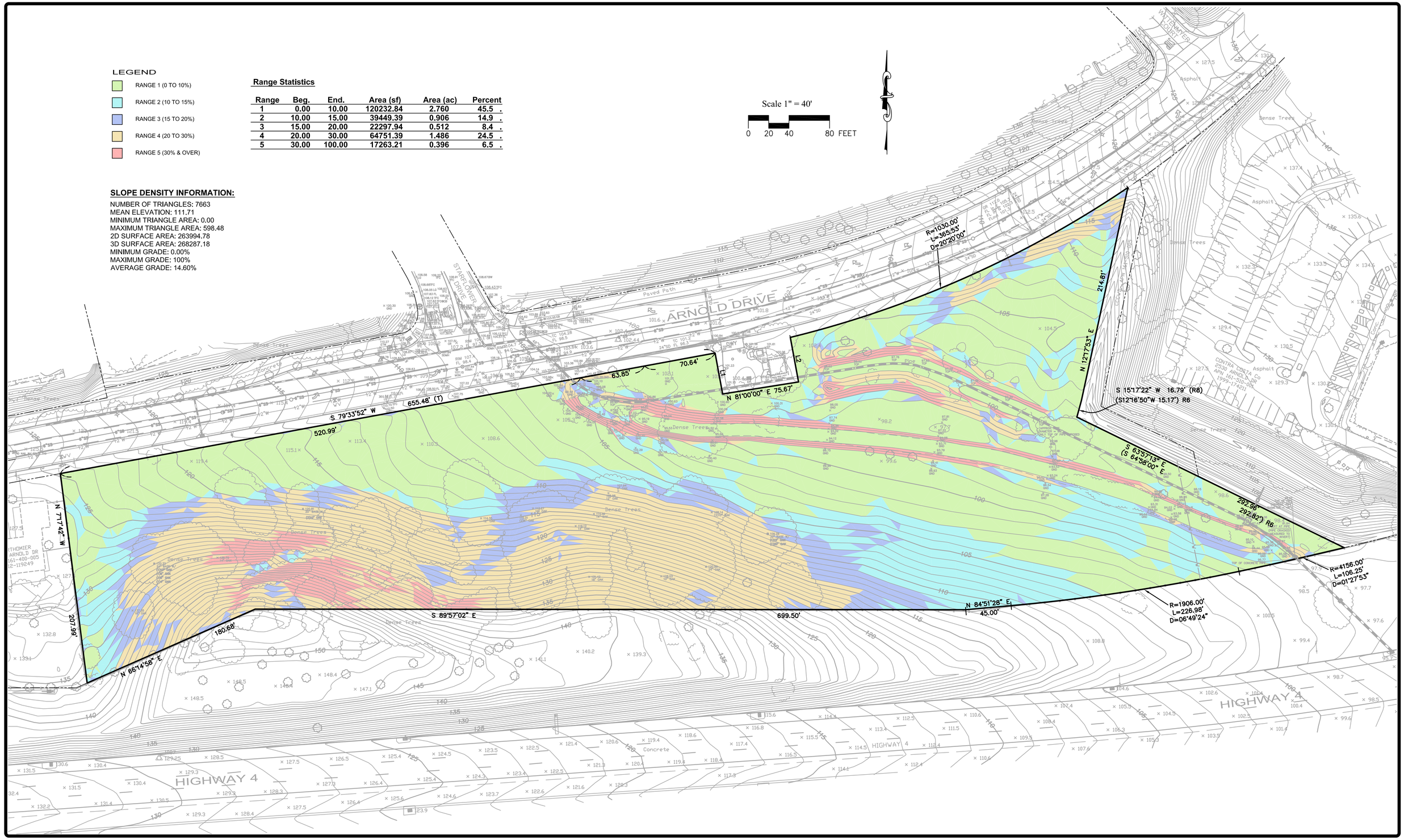
Range	Beg.	End.	Area (sf)	Area (ac)	Percent
1	0.00	10.00	120232.84	2.760	45.5 .
2	10.00	15.00	39449.39	0.906	14.9 .
3	15.00	20.00	22297.94	0.512	8.4 .
4	20.00	30.00	64751.39	1.486	24.5 .
5	30.00	100.00	17263.21	0.396	6.5 .

SLOPE DENSITY INFORMATION:

NUMBER OF TRIANGLES: 7663
MEAN ELEVATION: 111.71
MINIMUM TRIANGLE AREA: 0.00
MAXIMUM TRIANGLE AREA: 598.48
2D SURFACE AREA: 263994.78
3D SURFACE AREA: 268287.18
MINIMUM GRADE: 0.00%
MAXIMUM GRADE: 100%
AVERAGE GRADE: 14.60%

Scale 1" = 40'

0 20 40 80 FEET



NO.	DATE	BY	REVISIONS

SCALE	1"=40'
DATE	10/12/2016
ENGINEER	H. N.
JOB NO.	15126

REGISTERED PROFESSIONAL ENGINEER IZZAT S. NASHASHIBI No. 29528 CIVIL STATE OF CALIFORNIA

IZZAT S. NASHASHIBI R.C.E. 29528

AMARE APARTMENT HOMES
APN 161-400-009 & 010

SLOPE DENSITY EXHIBIT

ARNOLD DRIVE

MARTINEZ CALIFORNIA

HUMANN COMPANY INC.
ENGINEERING – SURVEYING
1021 BROWN AVE. LAFAYETTE, CA 94549
PH (925)283-5000 FAX (925)283-3578

SHEET C-SD1
OF 2 SHEETS

JOB NO. 15126

LEGEND

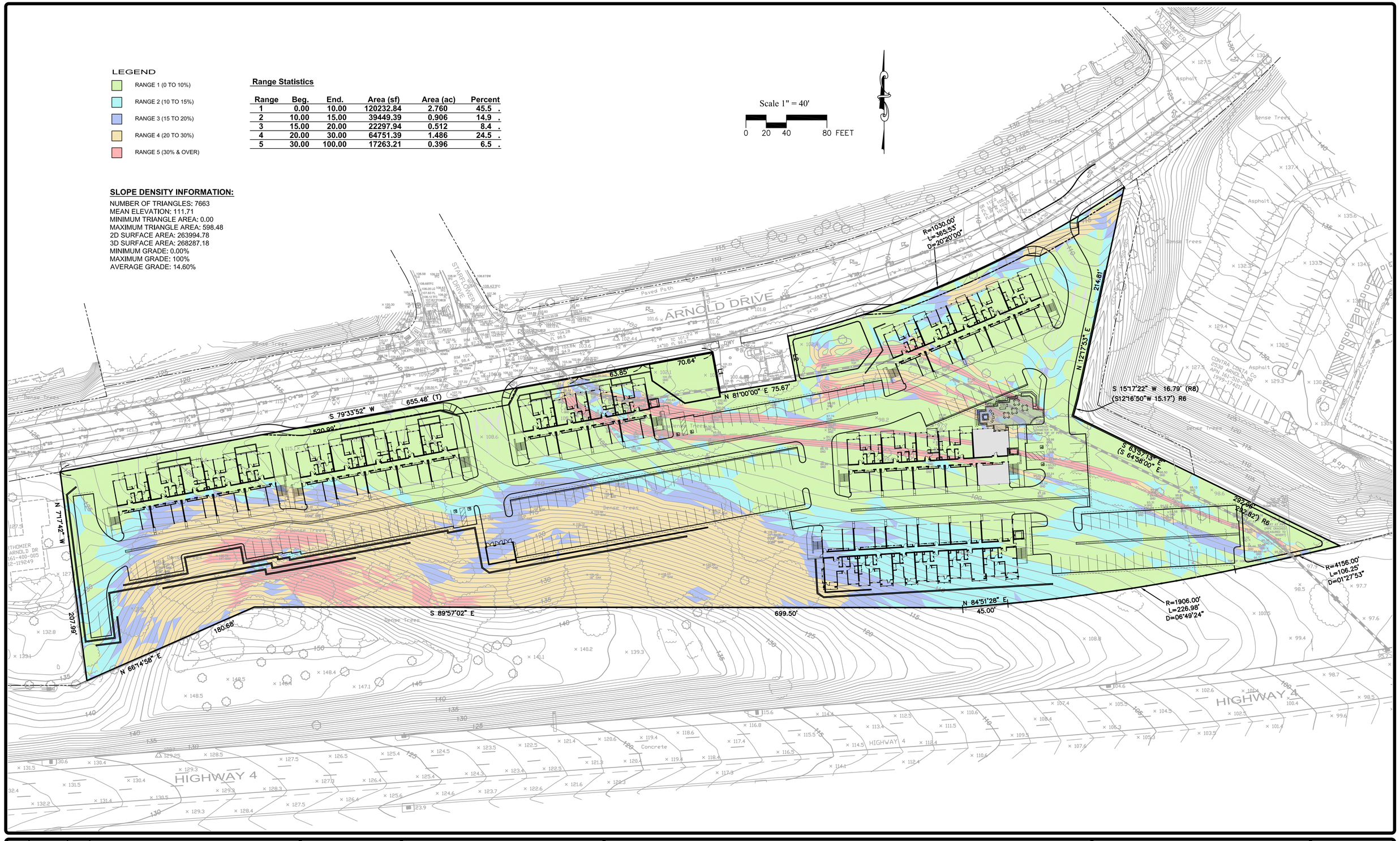
- RANGE 1 (0 TO 10%)
- RANGE 2 (10 TO 15%)
- RANGE 3 (15 TO 20%)
- RANGE 4 (20 TO 30%)
- RANGE 5 (30% & OVER)

Range Statistics

Range	Beg.	End.	Area (sf)	Area (ac)	Percent
1	0.00	10.00	120232.84	2.760	45.5 .
2	10.00	15.00	39449.39	0.906	14.9 .
3	15.00	20.00	22297.94	0.512	8.4 .
4	20.00	30.00	64751.39	1.486	24.5 .
5	30.00	100.00	17263.21	0.396	6.5 .

SLOPE DENSITY INFORMATION:

NUMBER OF TRIANGLES: 7663
MEAN ELEVATION: 111.71
MINIMUM TRIANGLE AREA: 0.00
MAXIMUM TRIANGLE AREA: 598.48
2D SURFACE AREA: 263994.78
3D SURFACE AREA: 268287.18
MINIMUM GRADE: 0.00%
MAXIMUM GRADE: 100%
AVERAGE GRADE: 14.60%



NO.	DATE	BY	REVISIONS
1	09/22/2021	H.N.	UPDATED SITE LAYOUT

SCALE	1"=40'
DATE	09/22/2021
ENGINEER	H. N.
JOB NO.	15126

REGISTERED PROFESSIONAL ENGINEER IZZAT S. NASHASHIBI No. 29528 CIVIL STATE OF CALIFORNIA

IZZAT S. NASHASHIBI R.C.E. 29528

AMARE APARTMENT HOMES
APN 161-400-009 & 010

SLOPE DENSITY EXHIBIT

ARNOLD DRIVE

MARTINEZ CALIFORNIA

HUMANN COMPANY INC.
ENGINEERING – SURVEYING
1021 BROWN AVE. LAFAYETTE, CA. 94549
PH (925)283-5000 FAX (925)283-3578

SHEET C-SD2
OF 2 SHEETS

JOB NO. 15126