BUILDING #8 TYPE II - FRONT ELEVATION | SCALE: 3/32" = 1'-0"

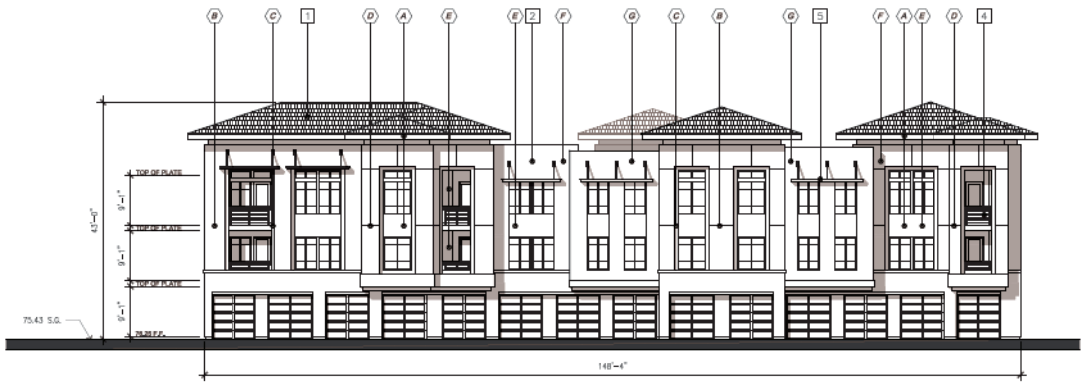
BUILDING #8 TYPE II - LEFT ELEVATION | SCALE: 3/32" = 1'-0"

MATERIAL LEGEND

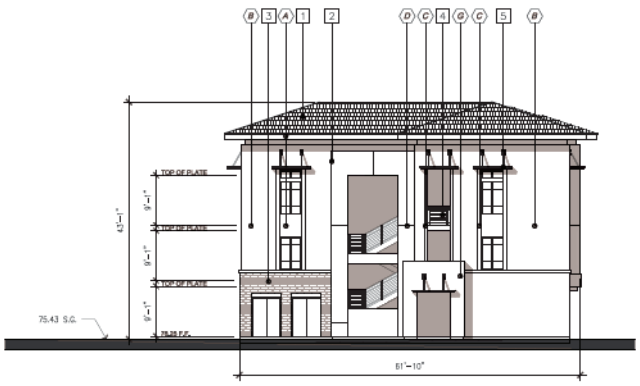
	DESCRIPTION
1.	CONCRETE FLAT TILE ROOF
2.	STUCCO FINISH
3.	BRICK VENEER
4.	METAL RALINGS
5.	METAL CANOPIES
6.	DECORATIVE METAL GRILL
7.	STONE VENEER
8.	METAL SUN SHADE SCREEN

COLOR LEGEND

	DESCRIPTION
A.	DE 6204 TRITE WHITE
B.	SW 6108 LATTE
C.	SW 7020 BLACK FOX
D.	DE 6241 LUNAR LANDING
E.	SW 6072 VERSATILE GRAY
F.	DEA 162 LOG CABIN
G.	DE 6112 CEDAR CHEST
H.	SW 2839 ROYCROFT COPPER RED



BUILDING #8 TYPE II - REAR ELEVATION | SCALE: 3/32" = 1'-0"



BUILDING #8 TYPE II - RIGHT ELEVATION | SCALE: 3/32" = 1'-0"

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2011-328 REV. 1 JAN. 17, 2012

TEMPE APARTMENTS TEMPE, ARIZONA

BUILDING TYPE II - ELEVATIONS

ARCHSTONE
3 MACARTHUR PLACE SUITE 600 SANTA ANA, CA 92707

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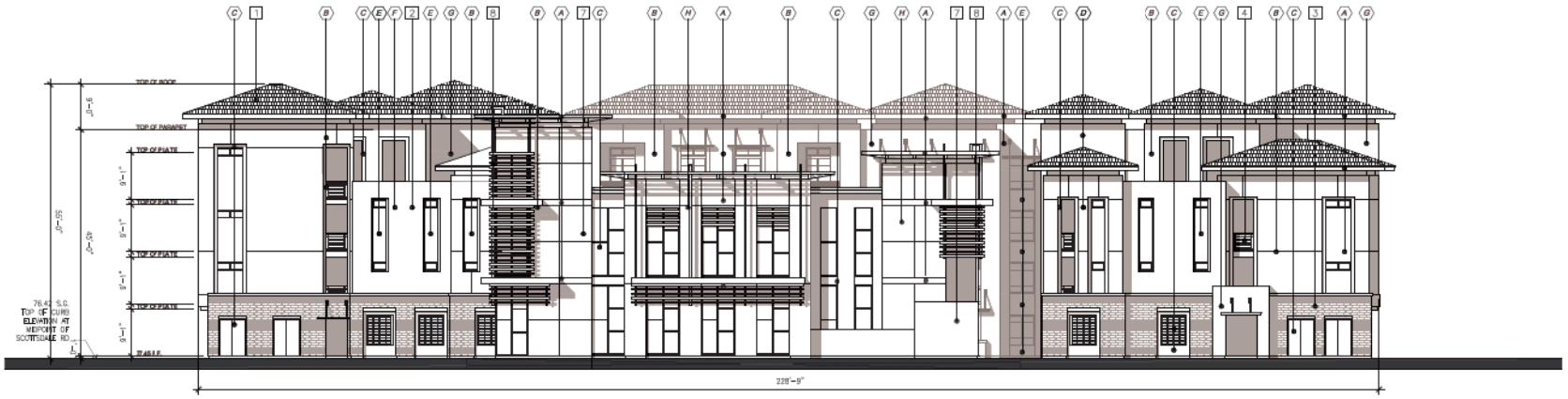

MATERIAL LEGEND

	DESCRIPTION
1.	CONCRETE FLAT TILE ROOF
2.	STUCCO FINISH
3.	BRICK VENEER
4.	METAL RALINGS
5.	METAL CANOPIES
6.	DECORATIVE METAL GRILL
7.	STONE VENEER
8.	METAL SUN SHADE SCREEN

COLOR LEGEND

	DESCRIPTION
A.	DE 6204 TRITE WHITE
B.	SW 6108 LATTE
C.	SW 7020 BLACK FOX
D.	DE 6241 LUNAR LANDING
E.	SW 6072 VERSATILE GRAY
F.	DEA 162 LOG CABIN
G.	DE 6112 CEDAR CHEST
H.	SW 2839 ROYCROFT COPPER RED

BUILDING #1 TYPE IV - FRONT ELEVATION | SCALE: 3/32" = 1'-0"

BUILDING #1 TYPE IV - LEFT ELEVATION | SCALE: 3/32" = 1'-0"

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2011-328 REV. 1 JAN. 17, 2012

TEMPE APARTMENTS TEMPE, ARIZONA

BUILDING TYPE IV - ELEVATIONS

ARCHSTONE
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COLOR LEGEND		MATERIAL LEGEND	
	DESCRIPTION		DESCRIPTION
A.	DE 6304 TRYTE WHITE	1.	CONCRETE FLAT TILE ROOF
B.	SW 6108 LATTE	2.	STUCCO FINISH
C.	SW 7020 BLACK FOX	3.	BRICK VENEER
D.	DE 6241 LUNAR LANDING	4.	METAL RAILINGS
E.	SW 6072 VERSATILE GRAY	5.	METAL CANOPIES
F.	DEA 163 LOG CABIN	6.	DECORATIVE METAL GRILL
G.	DE 6112 CEDAR CHEST	7.	STONE VENEER
H.	SW 2839 ROYCROFT COPPER RED	8.	METAL SUN SHADE SCREEN

BUILDING #1 - TYPE IV

A-7a

2011-329 JAN. 17, 2012

TEMPE APARTMENTS TEMPE, ARIZONA

ARCHSTONE
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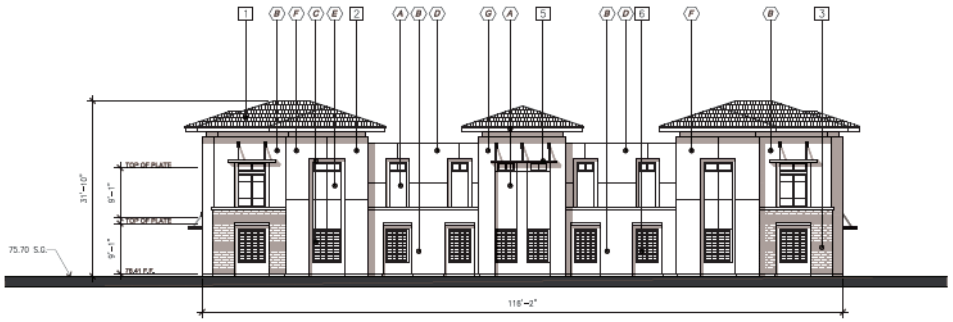
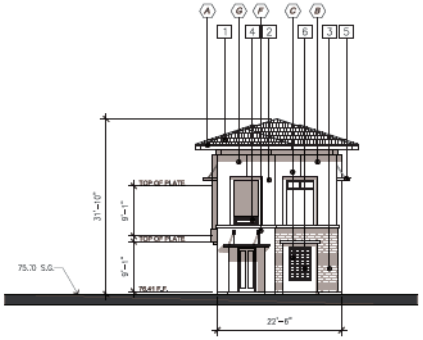
ATTACHMENT 68



BUILDING # 12 TYPE V (TYP.)- FRONT ELEVATION | SCALE: 3/32" = 1'-0"



BUILDING #12 TYPE V (TYP.)- LEFT ELEVATION | SCALE: 3/32" = 1'-0"

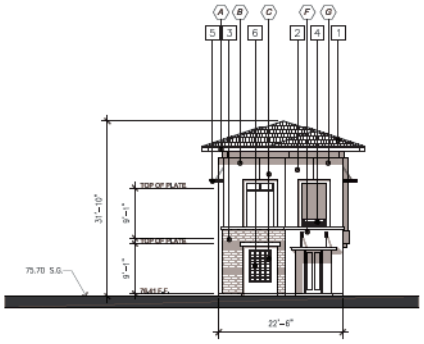
MATERIAL LEGEND

	DESCRIPTION
1.	CONCRETE FLAT TILE ROOF
2.	STUCCO FINISH
3.	BRICK VENEER
4.	METAL RALINGS
5.	METAL CANOPIES
6.	DECORATIVE METAL GRILL
7.	STONE VENEER
8.	METAL SUN SHADE SCREEN

COLOR LEGEND

	DESCRIPTION
A.	DE 6204 TRITE WHITE
B.	SW 6108 LATTE
C.	SW 7020 BLACK FOX
D.	DE 6241 LUNAR LANDING
E.	SW 6072 VERSATILE GRAY
F.	DEA 162 LOG CABIN
G.	DE 6112 CEDAR CHEST
H.	SW 2839 ROYCROFT COPPER RED

BUILDING #12 TYPE V (TYP.)- REAR ELEVATION | SCALE: 3/32" = 1'-0"



BUILDING #12 TYPE V (TYP.)- RIGHT ELEVATION | SCALE: 3/32" = 1'-0"

A-8

2011-328 REV. 1 JAN. 17, 2012

TEMPE APARTMENTS TEMPE, ARIZONA

BUILDING TYPE V - ELEVATIONS

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COLOR LEGEND	
	DESCRIPTION
A.	DE 6284 TRITE WHITE
B.	SW 6108 LATTE
C.	SW 7020 BLACK FOX
D.	DE 6241 LUNAR LANDING
E.	SW 6072 VERSATILE GRAY
F.	DEA 162 LOG CABIN
G.	DE 6112 CEDAR CHEST

MATERIAL LEGEND	
	DESCRIPTION
1.	CONCRETE FLAT TILE ROOF
2.	STUCCO FINISH
3.	BRICK VENEER
4.	METAL RAILINGS
5.	METAL CANOPIES
6.	DECORATIVE METAL GRILL

BUILDING #9, 10, 11, 12, 13, 14, 15, 16, 17 - TYPE V

BUILDING #4, 5, 6,7, 8 - TYPE II

A-8a

2011-328 JAN. 17, 2012

TEMPE APARTMENTS TEMPE, ARIZONA

ARCHSTONE
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ATTACHMENT 71

STREET SCENE ELEVATION - SCOTTSDALE ROAD

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0' 16' 32' 48'
SCALE: 1/16" = 1'-0"

TEMPE APARTMENTS TEMPE, ARIZONA

ARCHSTONE
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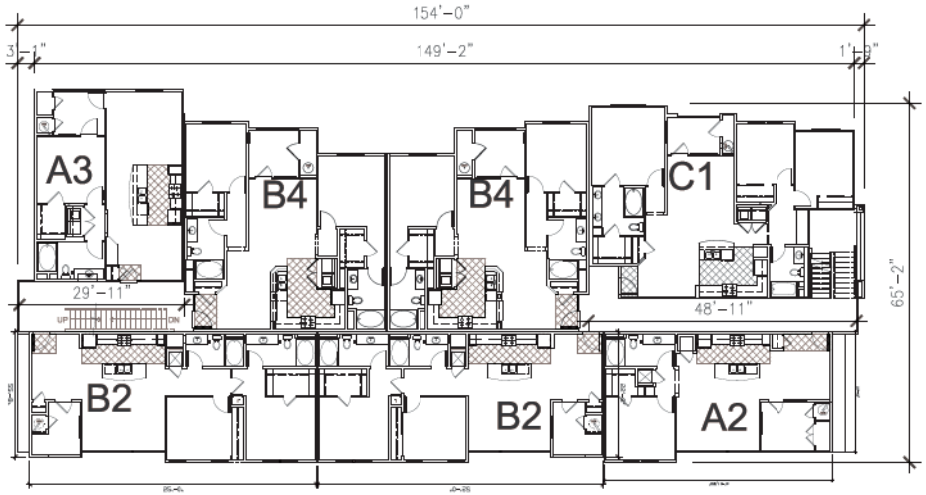
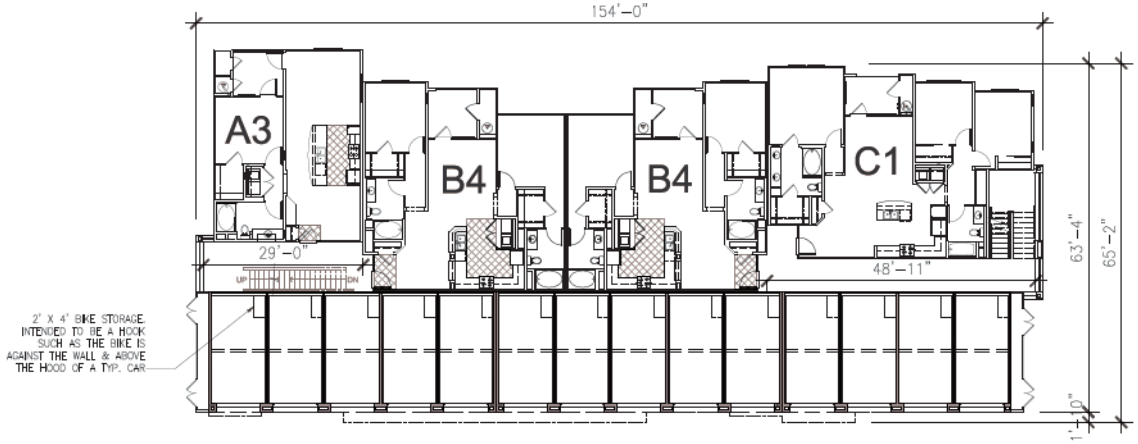


BUILDING TYPE II - 2nd & 3rd FLOOR PLAN | SCALE: 3/32" = 1'-0"



BUILDING TYPE II - 1st FLOOR PLAN | SCALE: 3/32" = 1'-0"

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2011-328 REV. 1 JAN. 17, 2012

TEMPE APARTMENTS TEMPE, ARIZONA

BUILDING TYPE II - FLOOR PLANS

ARCHSTONE
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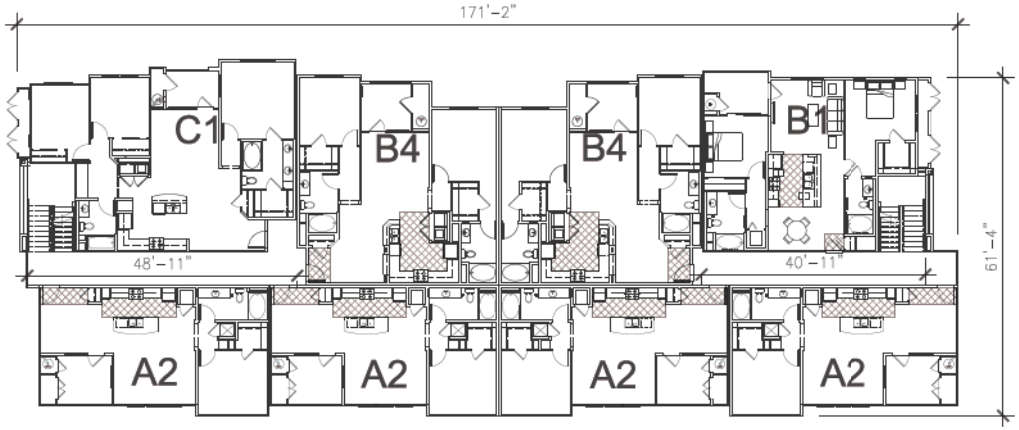
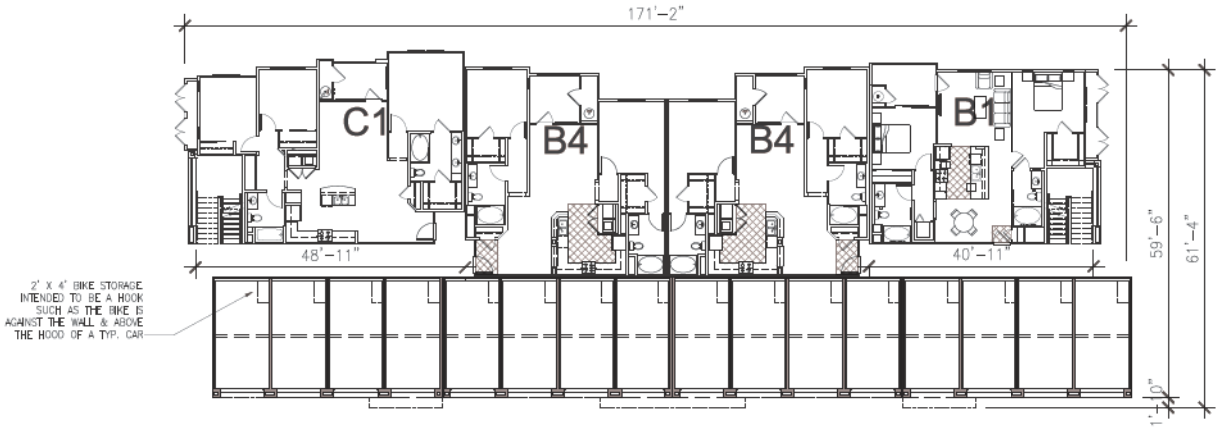


BUILDING TYPE III - 2nd & 3rd FLOOR PLAN | SCALE: 3/32" = 1'-0"



BUILDING TYPE III - 1st FLOOR PLAN | SCALE: 3/32" = 1'-0"

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2011-328 REV. 1 JAN. 17, 2012

TEMPE APARTMENTS TEMPE, ARIZONA

BUILDING TYPE III - FLOOR PLANS

ARCHSTONE
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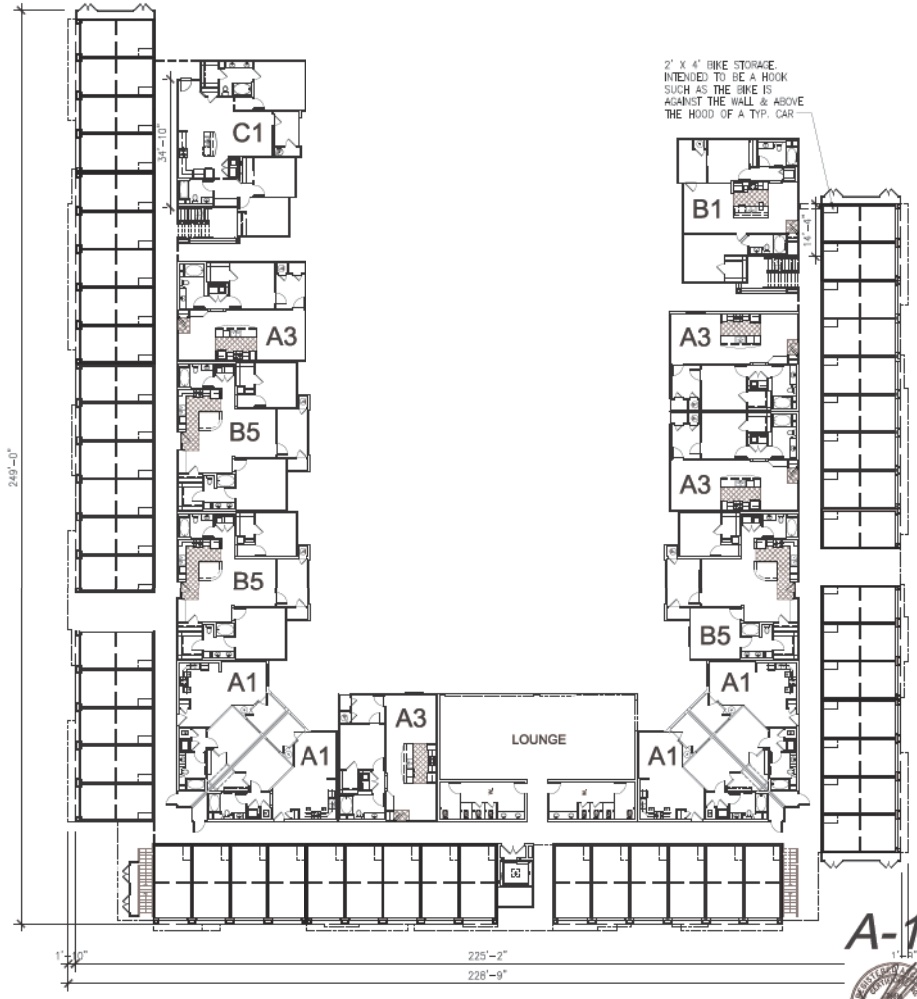
BUILDING TYPE IV - 2nd & 3rd FLOOR PLAN | SCALE: 1/16" = 1'-0"



BUILDING TYPE IV - 1st FLOOR PLAN | SCALE: 1/16" = 1'-0"

A-12

2011-328 REV. 1 JAN. 17, 2012

TEMPE APARTMENTS TEMPE, ARIZONA

BUILDING TYPE IV - FLOOR PLANS

ARCHSTONE
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BUILDING TYPE IV - 4th FLOOR PLAN | SCALE: 1/16" = 1'-0"

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TEMPE APARTMENTS TEMPE, ARIZONA

BUILDING TYPE IV - FLOOR PLAN

ARCHSTONE
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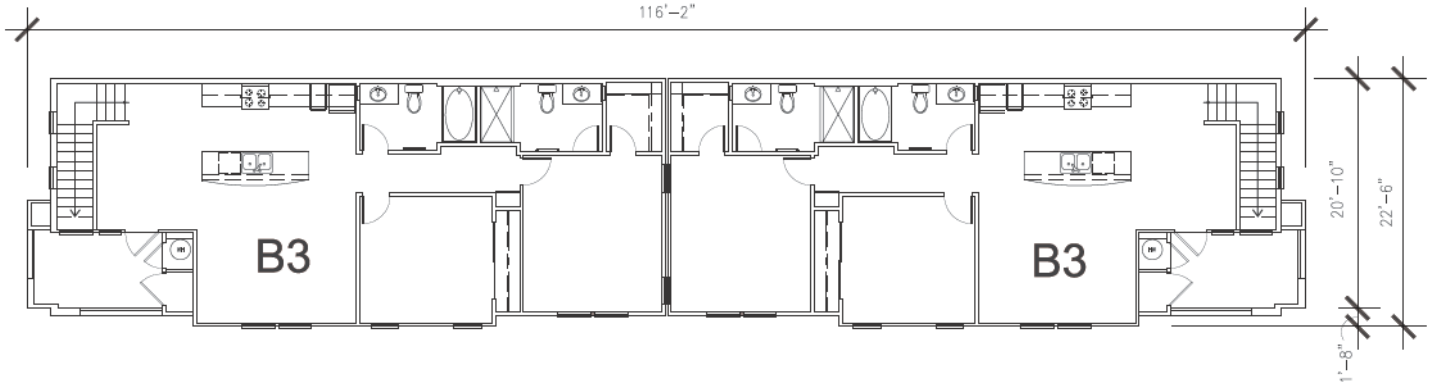
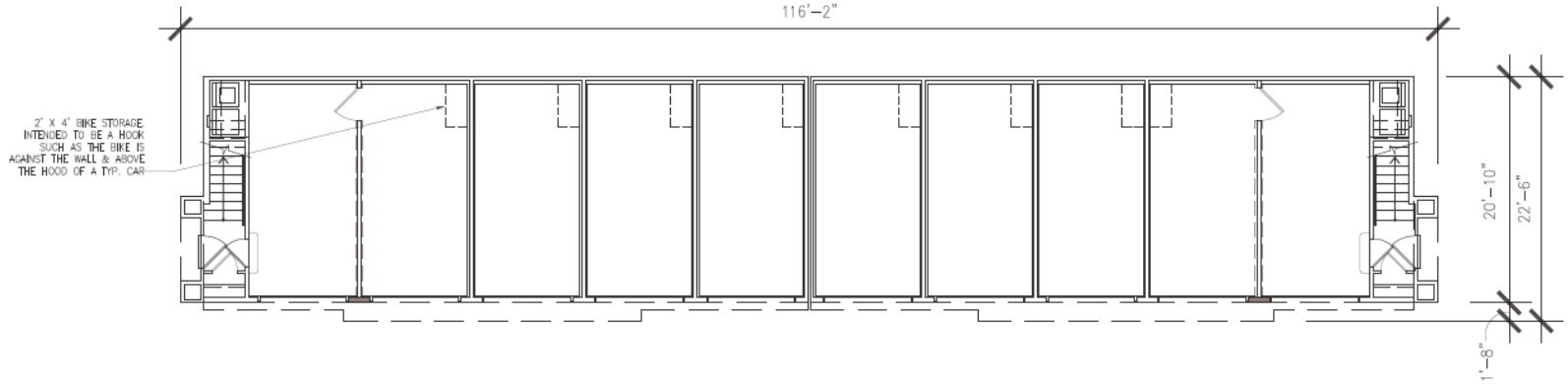


BUILDING TYPE V - 2nd FLOOR PLAN | SCALE: 3/16" = 1'-0"



BUILDING TYPE V - 1st FLOOR PLAN | SCALE: 3/16" = 1'-0"

A-14

2011-328 REV. 1 JAN. 17, 2012

TEMPE APARTMENTS TEMPE, ARIZONA

BUILDING TYPE V - FLOOR PLANS

ARCHSTONE
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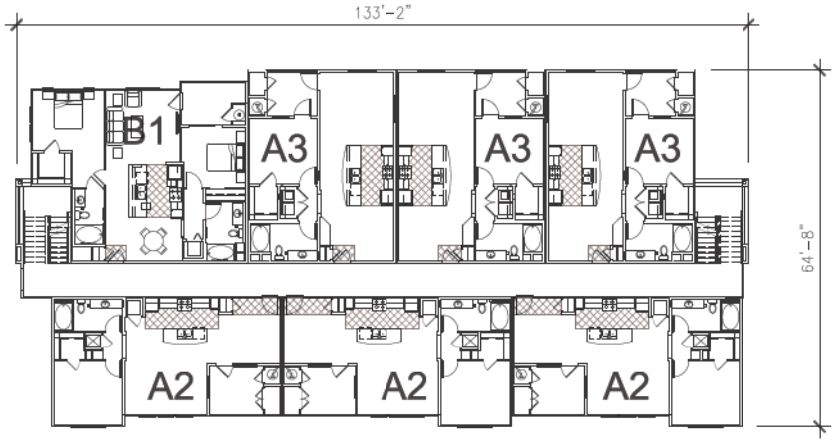
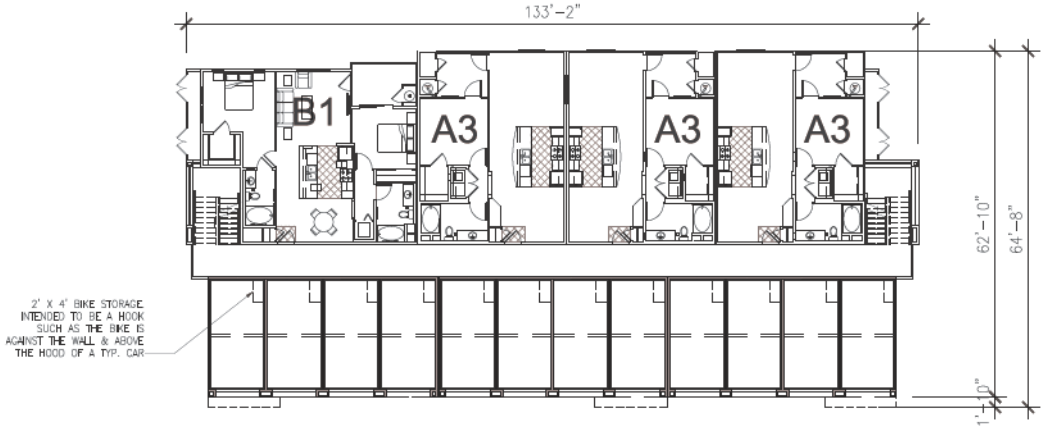


BUILDING TYPE VI - 2nd & 3rd FLOOR PLAN | SCALE: 3/32" = 1'-0"



BUILDING TYPE VI - 1st FLOOR PLAN | SCALE: 3/32" = 1'-0"

A-15

2011-328 REV. 1 JAN. 17, 2012

TEMPE APARTMENTS TEMPE, ARIZONA

BUILDING TYPE VI - FLOOR PLANS

ARCHSTONE
3 MACARTHUR PLACE SUITE 600 SANTA ANA, CA 92707

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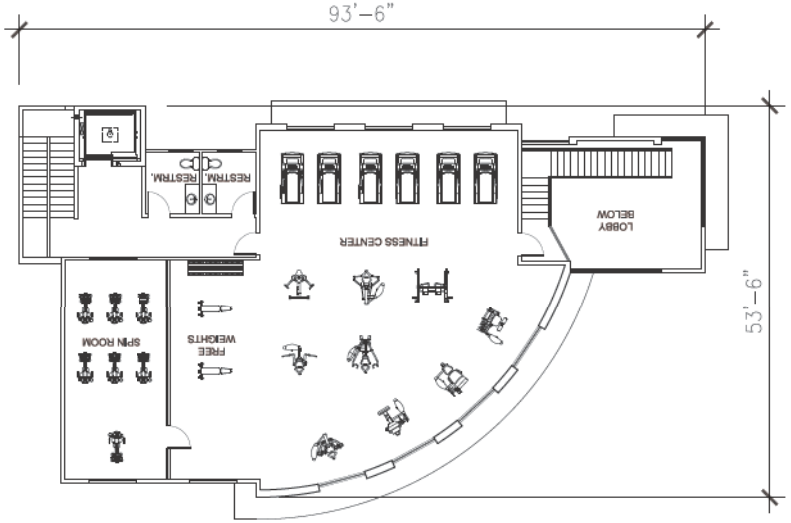
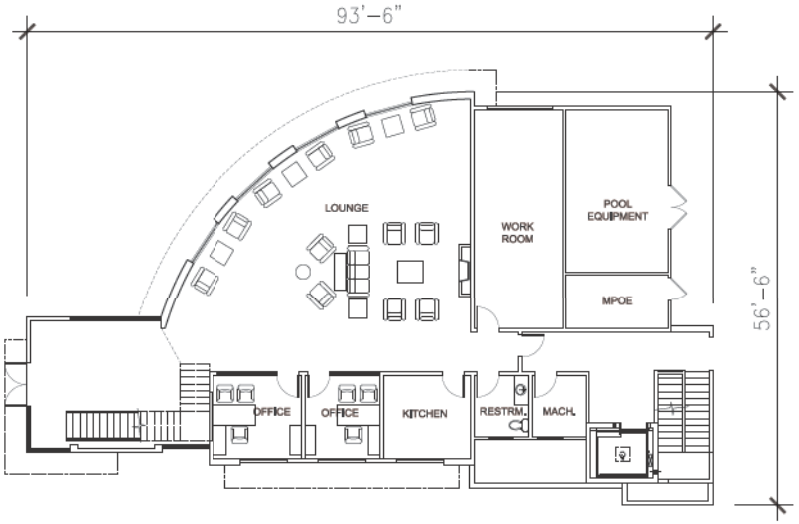
ATTACHMENT 78



CLUBHOUSE - 2nd FLOOR PLAN | SCALE: 1/8" = 1'-0"



CLUBHOUSE - 1st FLOOR PLAN | SCALE: 1/8" = 1'-0"

A-16

2011-328 REV. 1 JAN. 17, 2012

TEMPE APARTMENTS TEMPE, ARIZONA

CLUBHOUSE BUILDING - FLOOR PLANS

ARCHSTONE
3 MACARTHUR PLACE SUITE 600 SANTA ANA, CA 92707

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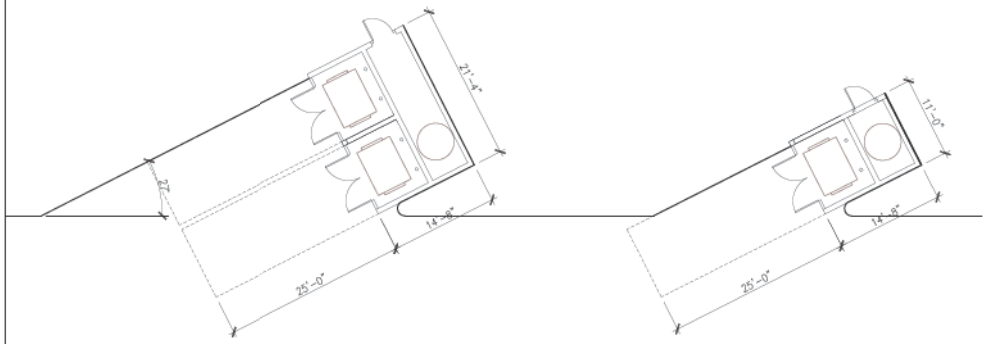
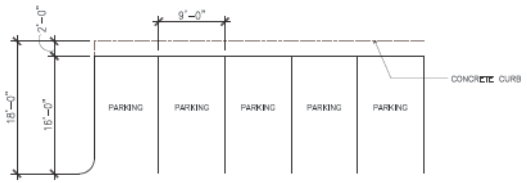


TRASH ENCLOSURE B

TRASH ENCLOSURE A

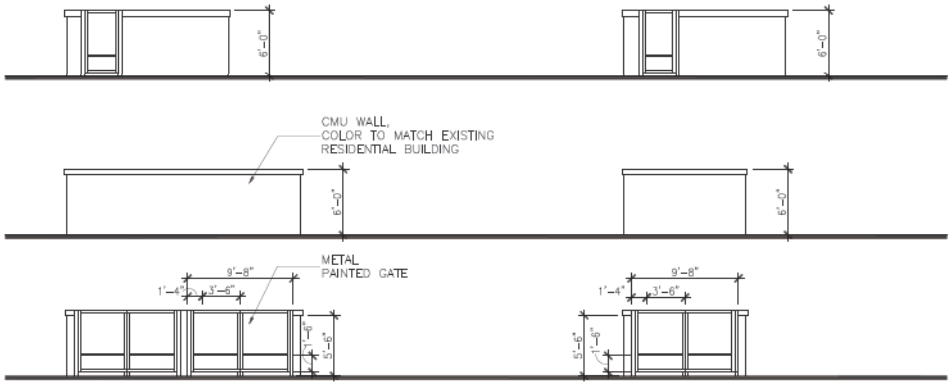
TRASH ENCLOSURE LAYOUT 3

SCALE 1/8"=1'-0"



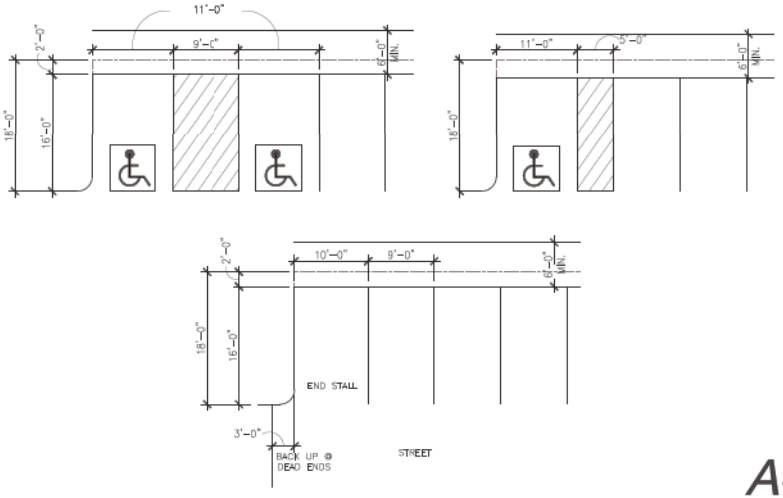
PARKING LAYOUT 1

SCALE 1/8"=1'-0"



TRASH ENCLOSURE ELEVATIONS 4

SCALE 3/16" = 1'-0"



STANDARD/ HANDICAP PARKING LAYOUT 2

SCALE 1/8"=1'-0"

A-17

2011-328

REV. 1
JAN. 17, 2012

TEMPE APARTMENTS TEMPE, ARIZONA

PARKING AND TRASH ENCLOSURE

ARCHSTONE
3 MACARTHUR PLACE SUITE 600 SANTA ANA, CA 92707

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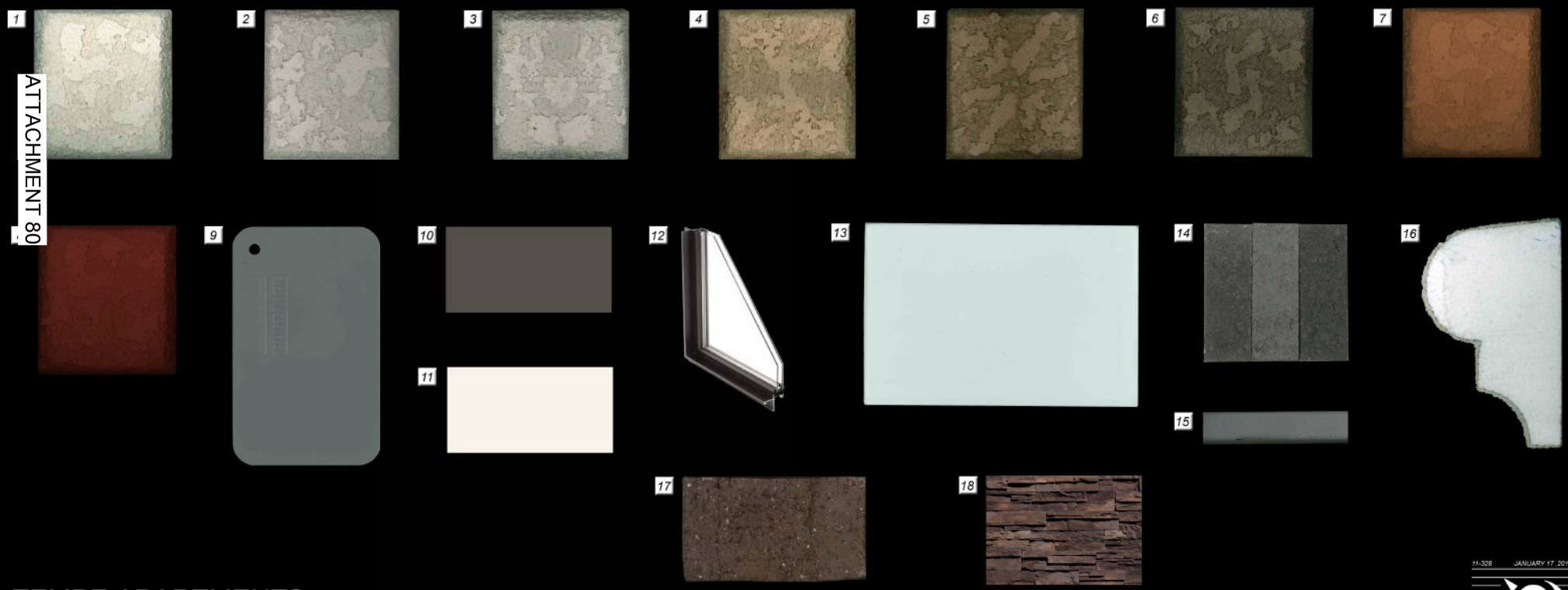
ATTACHMENT 79

BUILDING I - TYPE IV

COLOR / MATERIAL LEGEND

DESCRIPTION

1. STUCCO: TRITE WHITE DE 6204 OMEGA 1/2 12
2. STUCCO: LUNAR LANDING DE 6241 OMEGA 1/4 454
3. STUCCO: VERSATILE GRAY SW 6072 OMEGA 5/8 A 603
4. STUCCO: LATTE SW 6108 OMEGA 3/4 A 667
5. STUCCO: LOG CABIN DEA 162 OMEGA 5004
6. STUCCO: BLACK FOX SW 7020 OMEGA A 967
7. STUCCO: CEDAR CHEST DE 6112 OMEGA 1078
8. STUCCO: ROYCROFT COPPER RED SW 2839
9. METAL CANOPIES, METAL SUN SHADE SCREEN
10. METAL RAILINGS AND GATES: BLACK FOX SW 7020 SEMI GLOSS
11. WOOD PAINTED FASCIA, AND TRIM: TRITE WHITE DE 6204
12. ALUMINUM WINDOWS: MILGARD BRONZE ANODIZED
13. GLASS
14. CONCRETE TILE ROOF: EAGLE GRAY SLATE RANGE - 4697
15. METAL RAILING
16. FOAM TRIMS WITH APPLIED STUCCO PAINT COLORS
17. BRICK VENEER: INTERPACE SLATE GREY
18. BRICK VENEER: CORONADO STONE PRO-LEDGE - DAKOTA BROWN



ATTACHMENT 80

TEMPE APARTMENTS TEMPE, ARIZONA

11-328 JANUARY 17, 2012

ARCHSTONE
3 MACARTHUR PLACE SUITE 600 SANTA ANA, CA 92707

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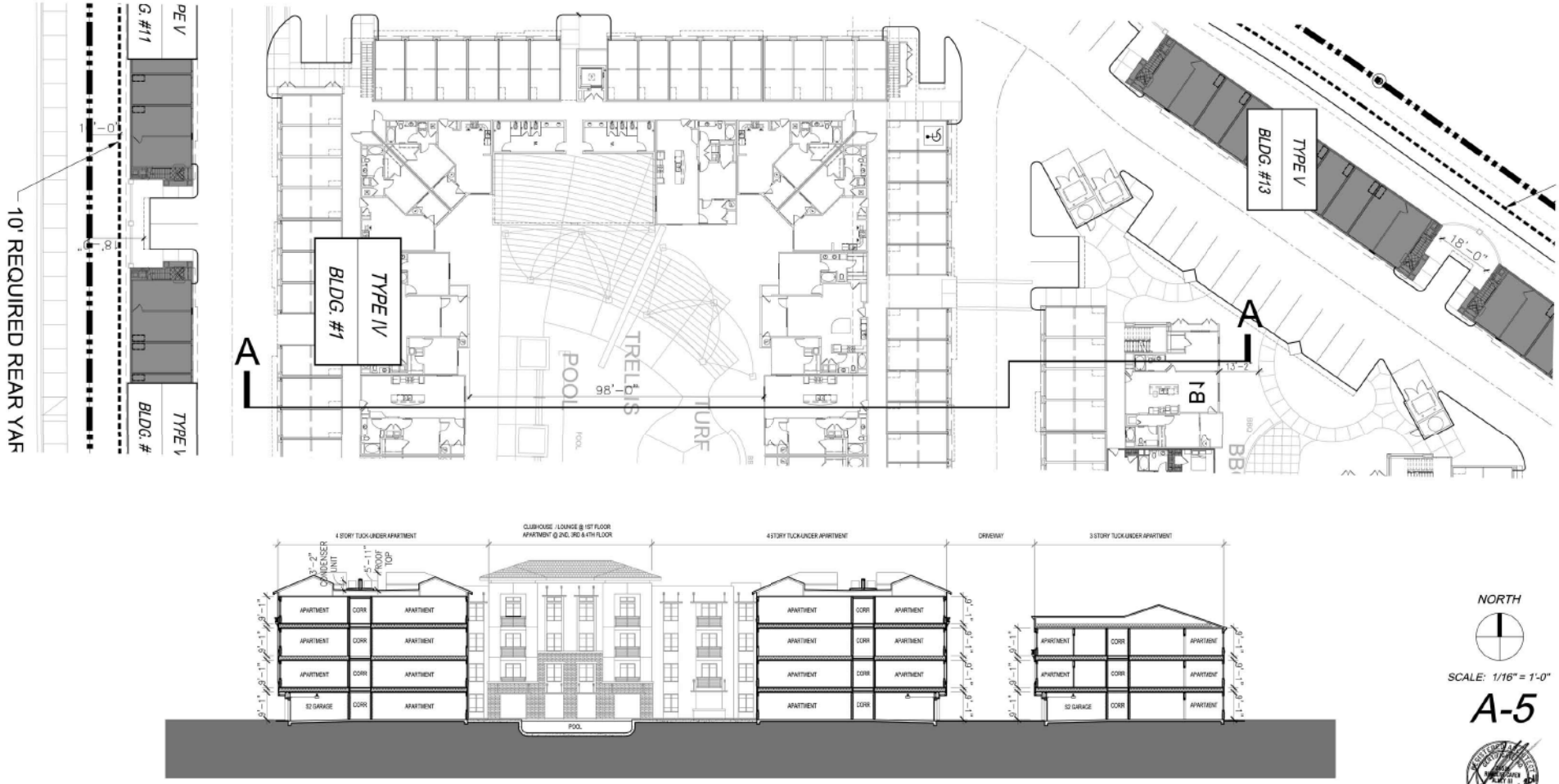

NORTH

SCALE: 1/16" = 1'-0"

A-5

2011-328 JAN 17, 2012 REV. 1

TEMPE APARTMENTS TEMPE, ARIZONA

CONCEPTUAL BUILDING / SITE SECTION A

ARCHSTONE
3 MACARTHUR PLACE SUITE 600 SANTA ANA, CA 92707

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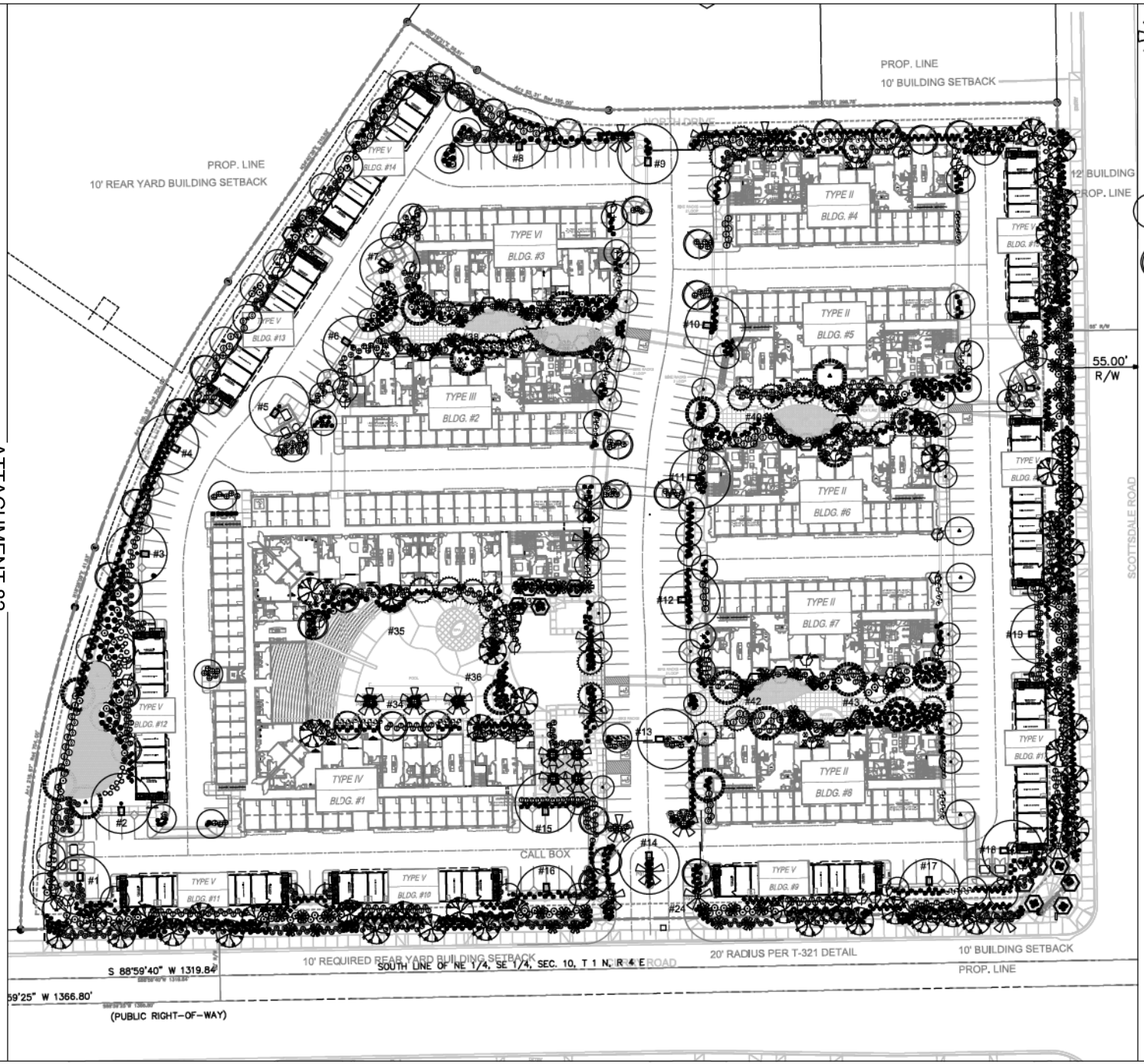

PLANT LEGEND

TREES	SIZE	NOTES	QTY
Washingtonia robusta Mexican Fan Palm Cigar Cut trunk - skirted	18 FT	*ADWR	56
Phoenix dactylifera Date Palm Diamond Cut trunk	16 FT	*ADWR	21
Acacia aneura Mulga	24" Box	*ADWR	23
Acacia salicina Willow Leaf Acacia	24" Box	*ADWR	46
Bauhinia lunarioides Anacho Orchid Tree -	24" Box	*ADWR	38
Jacaranda mimosifolia Jacaranda	36" Box	*ADWR	17
Fraxinus velutina v. Fantax Fantax Ash	24" Box	*ADWR	42
Lagerstroemia x fauriei "Tuskegee" Tuskegee Crape Myrtle Caliper Size: 15 Gal=	24" Box	*ADWR	29
Pistacia chinensis Chinese Pistache	24" Box	*ADWR	34
Quercus virginiana Live Oak	36" Box	*ADWR	51
Sophora secundiflora Texas Mountain Laurel	5 Gallon	*ADWR	88

SHRUBS	SIZE	NOTES	QTY
Photinia x. fraseri Red Tip Photinia	5 Gallon		194
Salvia greggii Autumn Sage	5 Gallon	*ADWR	41
Cassia Cassia	5 Gallon	*ADWR	128
Muhlenbergia capillaris Regal Mist Grass	5 Gallon	*ADWR	110
Hibiscus rosa-sinensis Chinese Hibiscus	5 Gallon	*ADWR	57
Leucophyllum frutescens Texas Sage " Green Cloud"	5 Gallon	*ADWR	245
Ruellia californica Baja Ruellia	5 Gallon	*ADWR	275
Tecoma stans Arizona Yellow Bells	5 Gallon	*ADWR	254
Rhaphiolepis indica v. 'Ballerina' Indian Hawthorn	5 Gallon		240
Tecomaria capensis Cape Honeysuckle	5 Gallon	*ADWR	414
Chamaerops humilis Mediterranean Fan Palm -	24" Box	*ADWR	57
Caesalpinia pulcherrima Red Bird of Paradise	5 Gallon	*ADWR	155
Justicia spicigera Mexican Honeysuckle	5 Gallon	*ADWR	55

CACTI & SUCCULANTS	SIZE	NOTES	QTY
Hesperaloe parviflora Red Yucca	5 Gallon	*ADWR	137

GROUNDCOVERS	SIZE	NOTES	QTY
Convolvulus cneorum Bush Morning Glory	5 Gallon	*ADWR	34
Pyracantha coccinea Firethorn " Low Boy"	5 Gallon	*ADWR	235
Acacia Redolens 'prostrata' Desert Carpet	1 Gallon	*ADWR	219
Carissa gr. v. 'Boxwood Beauty' Natal Plum	5 Gallon		195
Lantana montevidensis Trailing Lantana	1 Gallon	*ADWR	494

VINES	SIZE	NOTES	QTY
Rosa banksiae Lady Bank's Rose	5 Gallon	*ADWR	58

LANDSCAPE MATERIALS	QTY
"Midiron" Bermuda Turf Sod	2218 s.f.
Decomposed Granite, 1/2" minus "Express Gold" 2" deep in all non-turf planting areas, 1" deep in dust control areas.	29,000 s.f.
Syn-Lawn Synthetic Turf	1350 s.f.

LANDSCAPE NOTES

1. NO TREES TO BE LOACTED WITHIN 20 FT OF WATER OR SEWER LINES. COORDINATE WITH LANDSCAPE ARCHITECT TO ADJUST LOCATIONS IF IN CONFLICT.

2. REFERENCE CIVIL PLANS FOR HORIZONTAL AND VERTICAL CONTROL.

WATER INSTENSIVE AREA TOTAL:
TURF AREA = 2218 sf

POOL WATER SURFACE AREA:
POOL = 2195 sf
SPA = 60 sf
TOTAL = 2255 sf

WATER FEATURE SURFACE AREA:
COURTYARD I = (NONE)
COURTYARD I = 163 sf
COURTYARD II = 156 sf
COURTYARD IV (CLUB) = 50 sf
TOTAL = 369 sf

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01-08-12

TEMPE ARCHSTONE APARTMENTS
Curry Road & Scottsdale Road
Tempe, Arizona

REV.	COMMENT	DATE

ISSUE	DATE
Rev. 1	01.05.12
First Submittal	12.06.11

TEMPE ARCHSTONE APARTMENTS
January 3, 2012

DRAWN BY:	jen
CHECK BY:	MJS
PROJ. NO.:	2011-020
CASE NO.:	##

NORTH
0 30 60

LANDSCAPE PLAN

L 3.0

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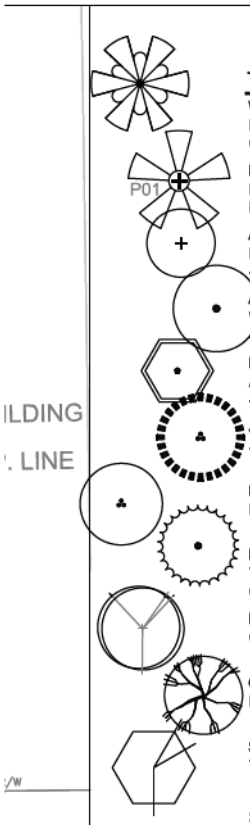
ATTACHMENT 82



PLANT LEGEND

TREES	SIZE	NOTES	QTY
Washingtonia robusta Mexican Fan Palm Cigar Cut trunk - skinned	18 FT	*ADWR	66
Phoenix dactilifera Date Palm Diamond Cut trunk	16 FT	*ADWR	21
Acacia aneura Mulga -	24" Box	*ADWR	23
Acacia salicina Willow Leaf Acacia -	24" Box	*ADWR	46
Bauhinia lunariodes Anacho Orchid Tree -	24" Box	*ADWR	38
Jacaranda mimosifolia Jacaranda	36" Box	*ADWR	17
Fraxinus vellutina v. Fantex Fantex Ash	24" Box	*ADWR	42
Lagerstroemia x faurei 'Tuskegee' Tuskegee Crape Myrtle Caliper Size: 15 Gal.=	24" Box	*ADWR	29
Pistacia chinensis Chinese Pistache	24" Box	*ADWR	34
Quercus virginiana Live Oak	36" Box	*ADWR	51
Sophora secundiflora Texas Mountain Laurel	5 Gallon	*ADWR	68

SHRUBS	SIZE	NOTES	QTY
Photinia x. fraseri Red Tip Photinia	5 Gallon		184
Salvia greggii Autumn Sage	5 Gallon	*ADWR	41
Cassia Cassia	5 Gallon	*ADWR	129
Muhlenbergia capillaris Regal Mist Grass	5 Gallon	*ADWR	110
Hibiscus rosa-sinensis Chinese Hibiscus	5 Gallon		57
Leucophyllum frutescens Texas Sage " Green Cloud"	5 Gallon	*ADWR	243
Ruellia californica Baja Ruellia	5 Gallon	*ADWR	275
Tecoma stans Arizona Yellow Bells	5 Gallon	*ADWR	254
Rhaphiolepis indica v. 'Ballerina' Indian Hawthorn	5 Gallon		240
Tecomaria capensis Cape Honeysuckle	5 Gallon	*ADWR	414
Chamaerops humilis Mediterranean Fan Palm -	24" Box	*ADWR	57
Caesalpinia pulcherrima Red Bird of Paradise	5 Gallon	*ADWR	185
Justicia spicigera Mexican Honeysuckle	5 Gallon	*ADWR	85

CACTI & SUCCULANTS	SIZE	NOTES	QTY
Hesperaloe parviflora Red Yucca	5 Gallon	*ADWR	137

GROUNDCOVERS	SIZE	NOTES	QTY
Convolvulus cneorum Bush Morning Glory	5 Gallon	*ADWR	34
Pyracantha coccinea Firethorn ' Low Boy"	5 Gallon	*ADWR	288
Acacia Redolens 'prostrata' Desert Carpet	1 Gallon	*ADWR	219
Carissa gr. v. 'Boxwood Beauty' Natal Plum	5 Gallon		198
Lantana montevidensis Trailing Lantana	1 Gallon	*ADWR	494

VINES	SIZE	NOTES	QTY
Rosa banksiae Lady Bank's Rose	5 Gallon	*ADWR	58

LANDSCAPE MATERIALS	QTY
'Midiron' Bermuda Turf Sod	2218 s.f.
Decomposed Granite. 1/2" minus "Express Gold" 2" deep in all non-turf planting areas. 1" deep in dust control areas.	28,000 s.f.
Syn-Lawn Synthetic Turf	1860 s.f.

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REGISTERED LANDSCAPE ARCHITECT
CERTIFICATE NO. 26641
MARK J. SWARTZ
Date Signed 01-03-12
ARIZONA, U.S.A.

TEMPE ARCHSTONE APARTMENTS

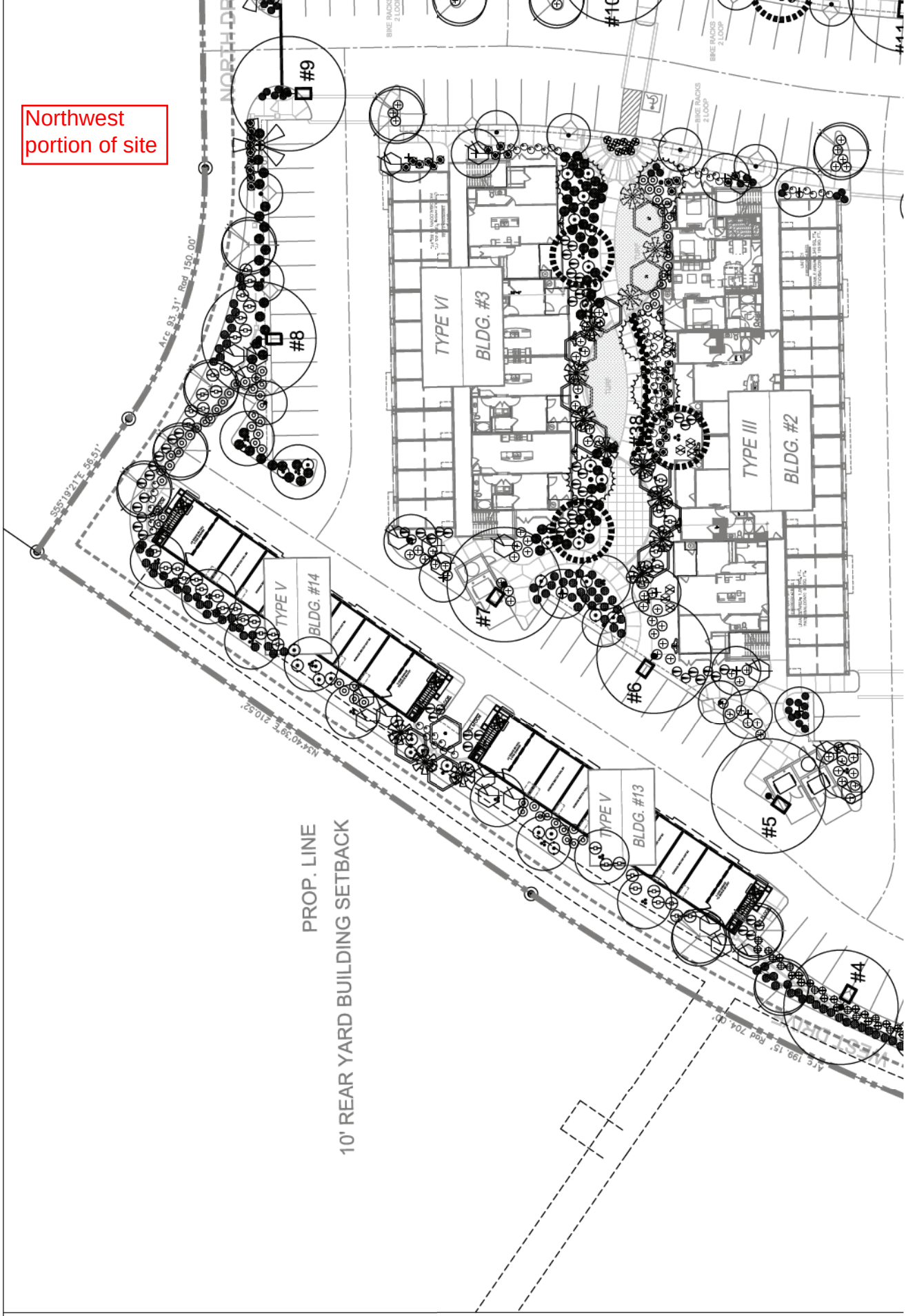
Curry Road & Scottsdale Road
Tempe, Arizona

REV.	COMMENT	DATE

ISSUE	DATE
Rev. 1	01.03.12
First Submittal	12.05.11

TEMPE ARCHSTONE APARTMENTS
January 3, 2012

DRAWN BY:	jeh
CHECK BY:	MJS
PROJ. NO.:	2011-020
CASE NO.:	##



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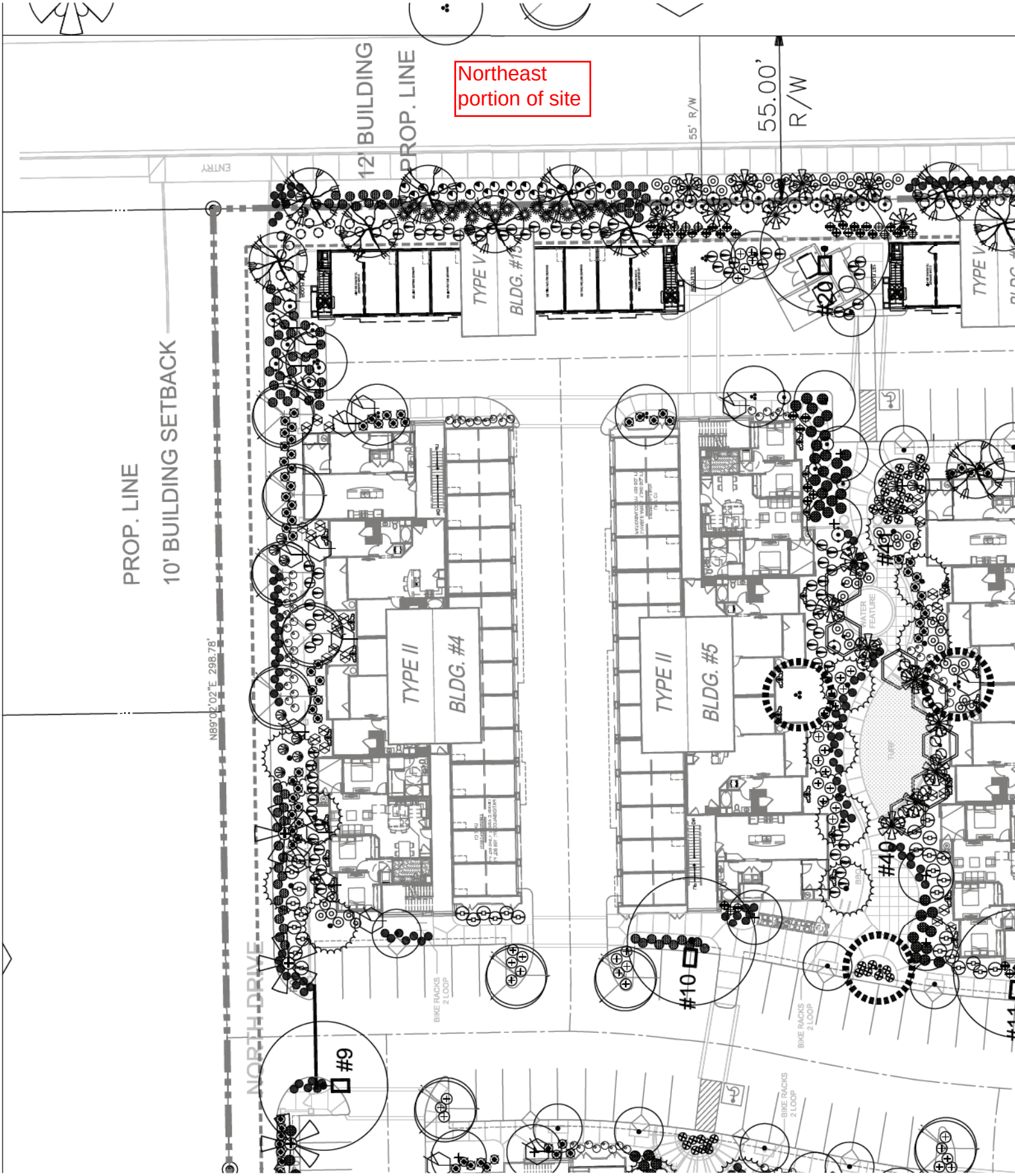

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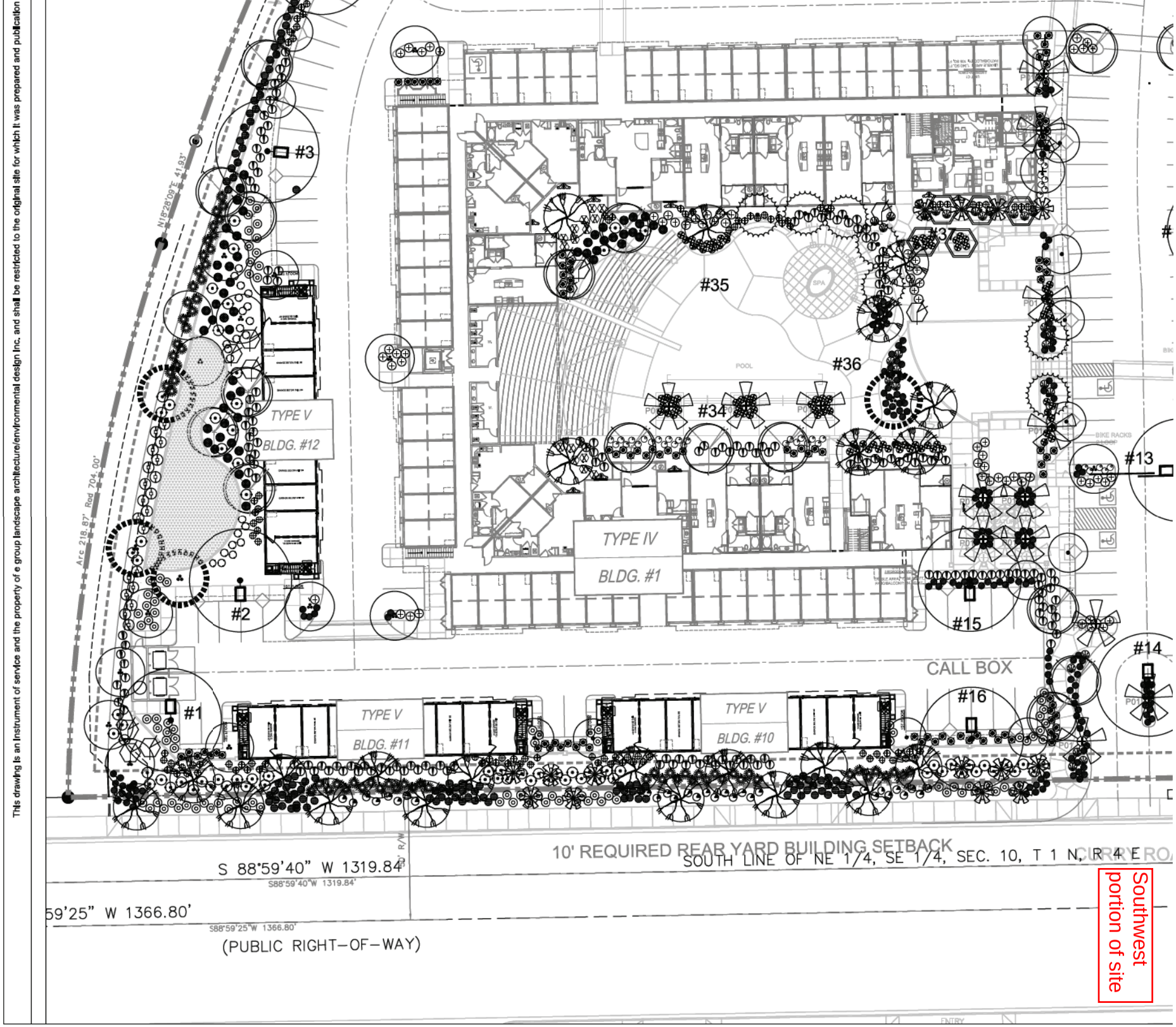

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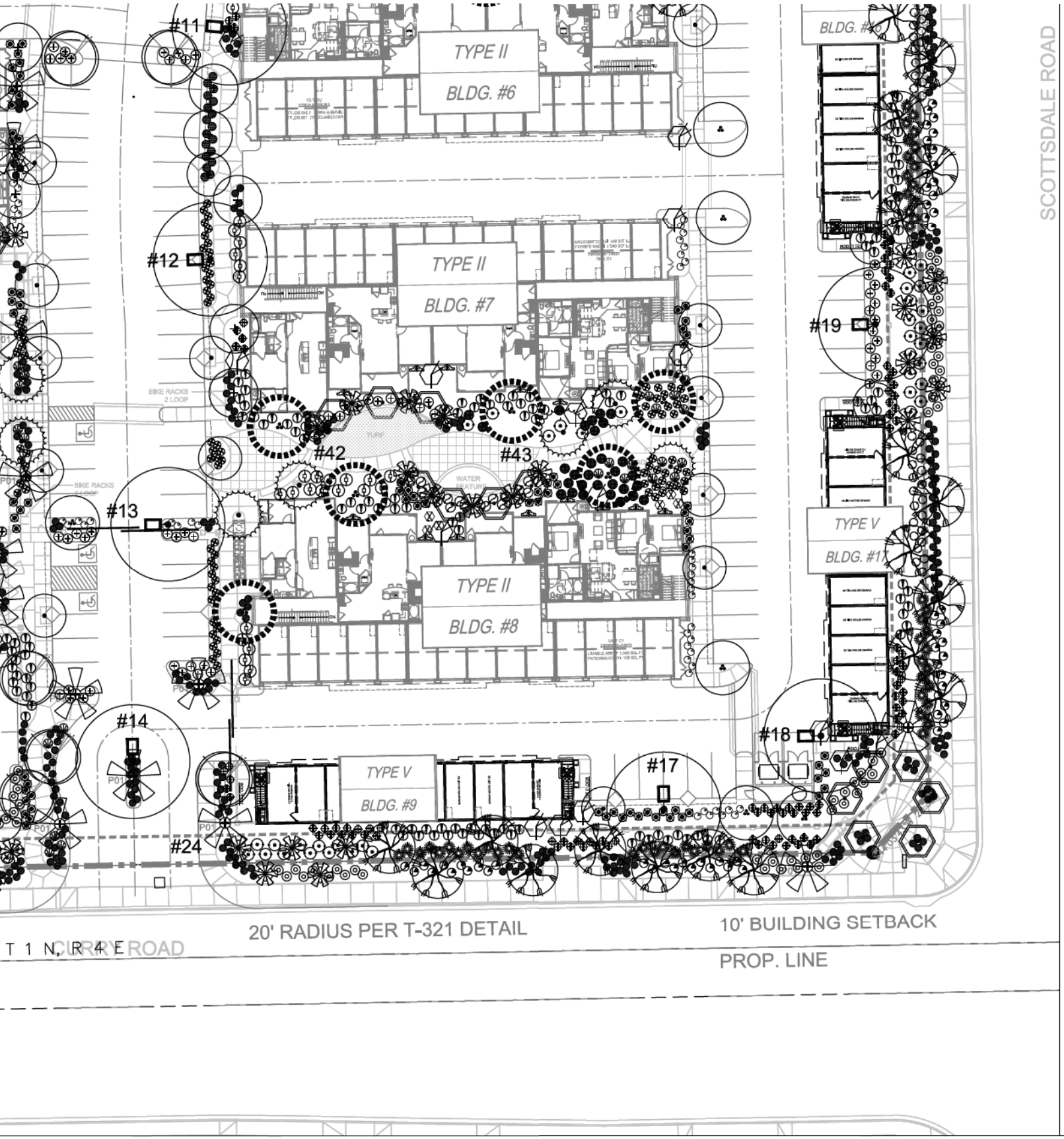
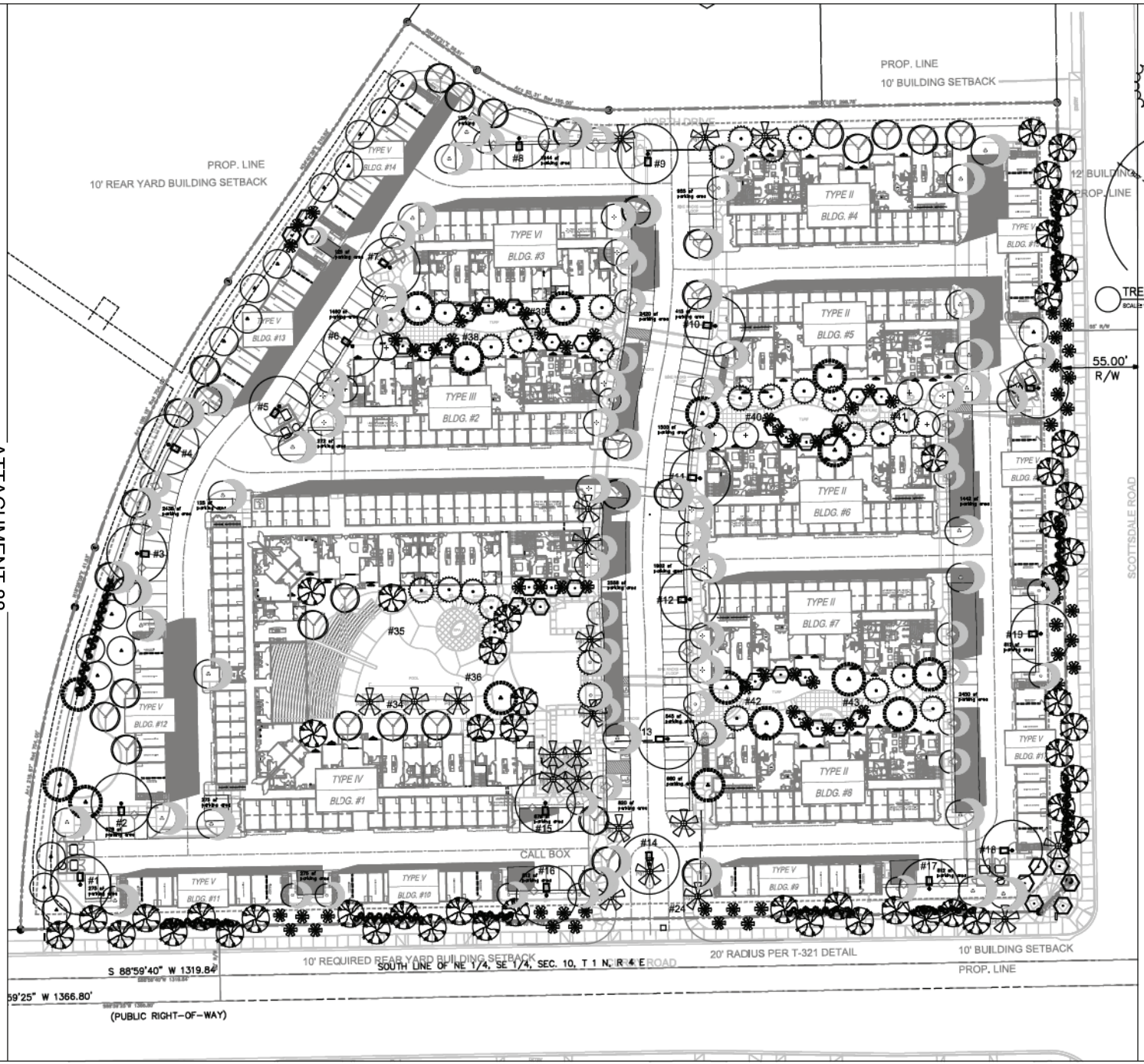
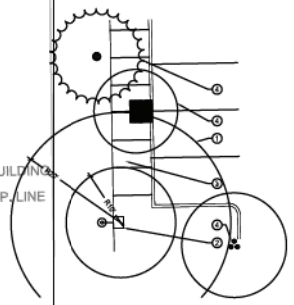
Southeast portion of site







TREE AND LIGHT SEPERATION

SCALE: 1/2"=1'-0"

SHADOW STUDY MATRIX

PARKING AREA TOTAL:	26,811 SF
SHADOW FROM TREES: (TAKEN AT 3:00 PM ON SUMMER SOLSTICE)	5479.3 SF
SHADOW FROM BUILDINGS AND STRUCTURES:	7780.6 SF
SHADOW FROM TREES NOT REDUNDANT WITH BUILDING AND STRUCTURES:	2673.8 SF
PARKING SHADOW REQUIREMENTS PER TEMPE 4-704-A-2: (20%)	20% / 5362.2 SF
TOTAL PARKING SHADOW PROVIDED: (39%)	39% / 10454.4 SF

NOTE:
1. TREES SHALL BE A MIN. OF 20'-0" FROM LIGHT SOURCE PER TEMPE DEVELOPMENT CODE.

2. PALM TREES SHALL BE SPECIFIED AT A HEIGHT TALL THAN LIGHT SOURCES.

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01-06-12

TEMPE ARCHSTONE APARTMENTS

Curry Road & Scottsdale Road
Tempe, Arizona

REV.	COMMENT	DATE
Rev. 1		01.06.12
First Submittal		12.06.11
ISSUE		DATE

TEMPE ARCHSTONE APARTMENTS
January 3, 2012

DRAWN BY:	jeh
CHECK BY:	MJS
PROJ. NO.:	2011-020
CASE NO.:	#8

NORTH

0 30 60

DEVELOPMENT PLAN
SHADE STUDY
AND LIGHTING EXHIBIT

L 4.0

DF

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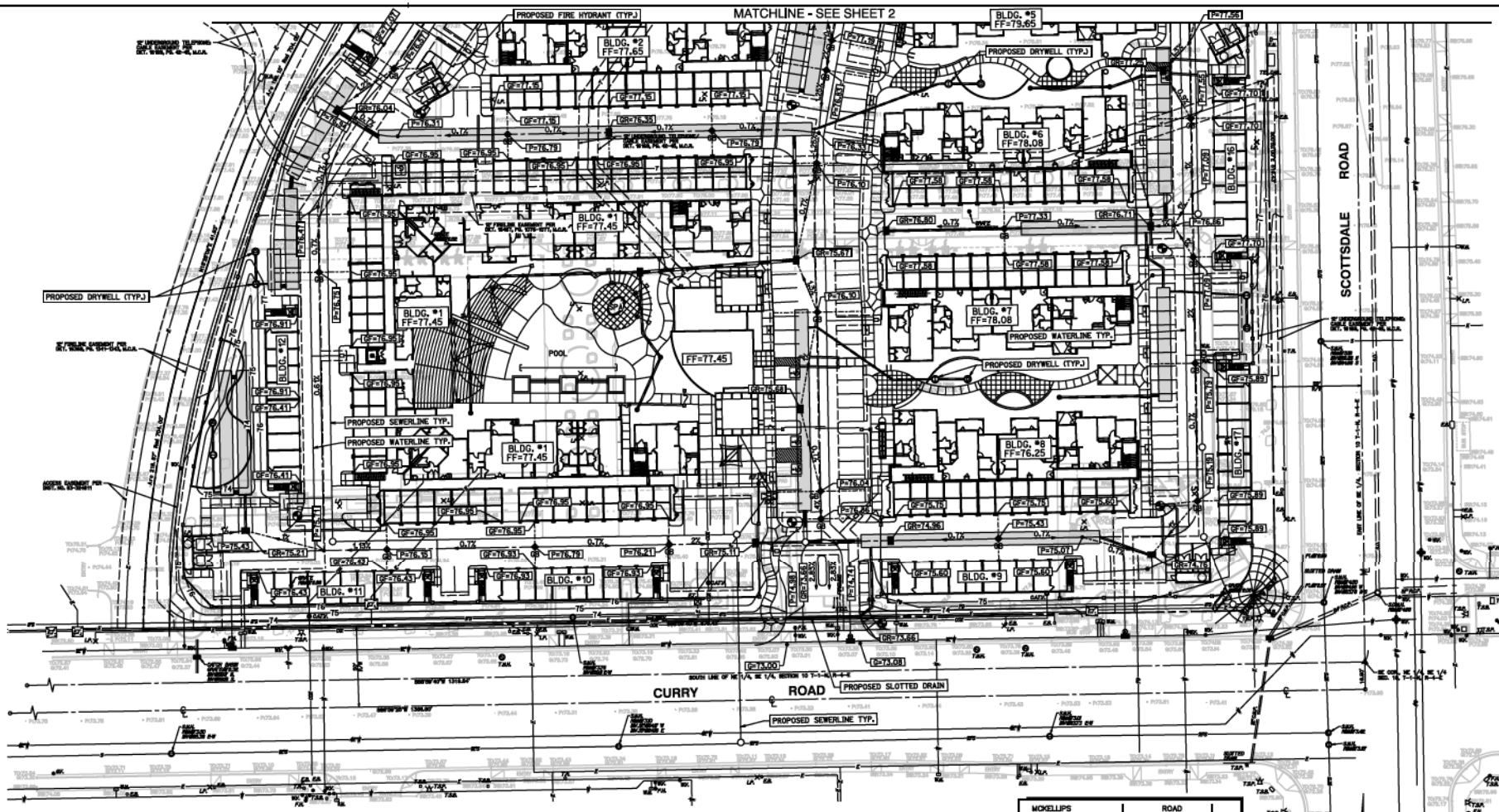


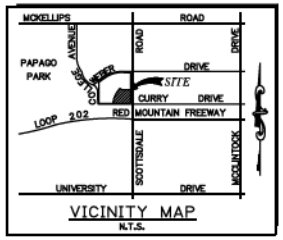
DEVELOPER:
ARCHSTONE
3 MACARTHUR PLACE, SUITE 600
SANTA ANA, CALIFORNIA 92707
CONTACT: ERIC BUCHANAN
PHONE: (714) 689-7055

ARCHITECT:
ARCITECTS ORANGE
144 NORTH ORANGE STREET
ORANGE, CALIFORNIA 92866
CONTACT: DAVID GILMORE
PHONE: (714) 639-9860

ENGINEER:
RICK ENGINEERING COMPANY
6150 NORTH 16TH STREET
PHOENIX, ARIZONA 85016
CONTACT: DANIEL G. MANN, P.E.
PHONE: (602) 957-3350

BENCHMARK:
EAST QUARTER CORNER SECTION 10
TOWNSHIP 1 NORTH, RANGE 4 EAST
CITY OF TEMPE BRASS CAP IN HAND HOLE
ELEVATION: 1187.15 CITY OF TEMPE DATUM #171

NOTE:
ALL TREES TO BE LOCATED AT LEAST 20' FROM PUBLIC WATER AND SEWER LINES.



VICINITY MAP
N.T.S.

SCALE: 1" = 30'
0' 15' 30' 60'

SHEET 1 OF 2

Expires 9-30-2013

REV 1
2011-326 JAN. 3, 2012

TEMPE APARTMENTS

TEMPE, ARIZONA

PRELIMINARY GRADING, DRAINAGE AND UTILITY PLAN

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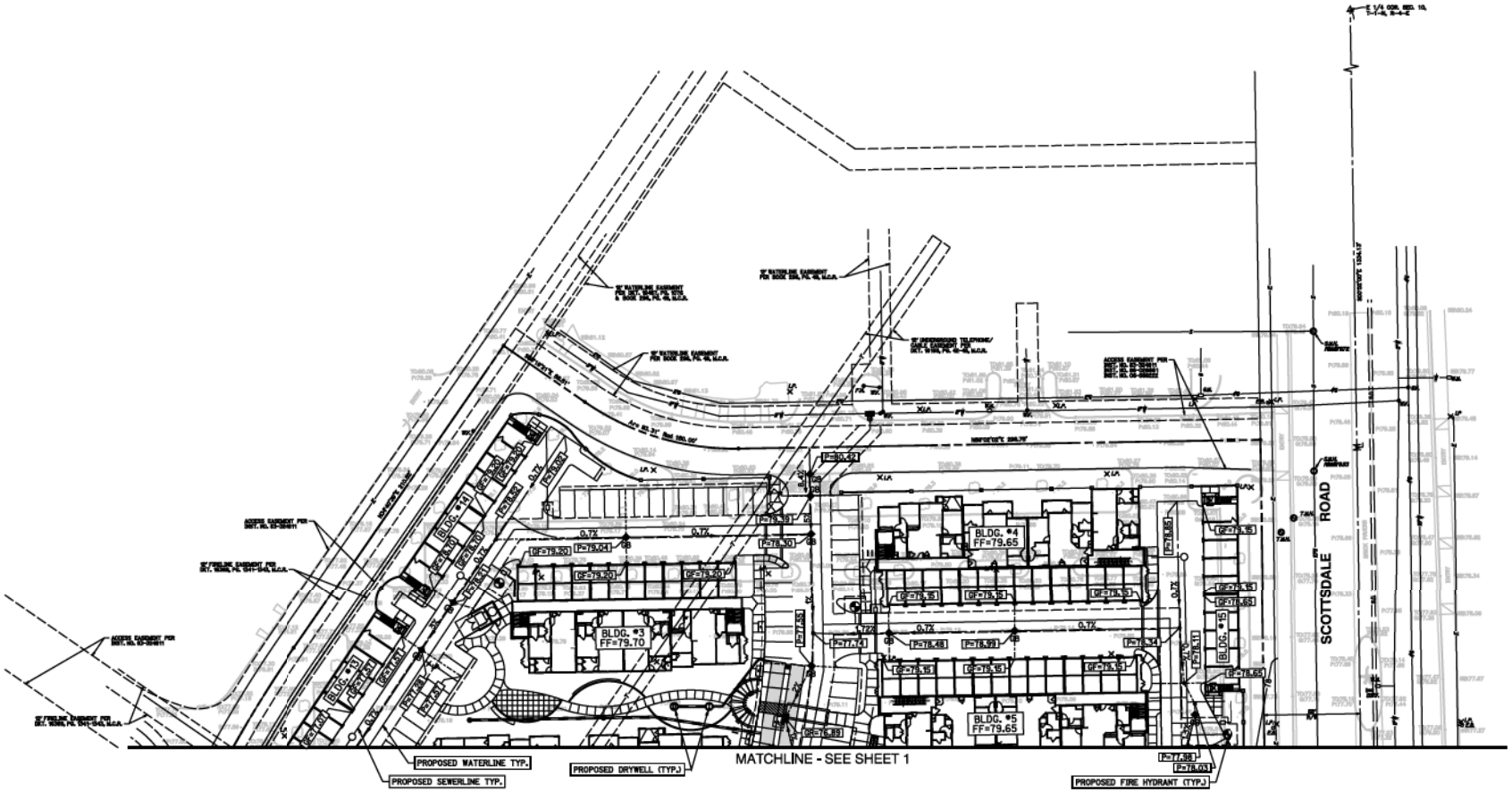

LEGEND

- INDICATES PROPERTY / BOUNDARY LINE
- 76 — INDICATES PROPOSED CONTOUR ELEVATION
- INDICATES EXISTING TOP OF CURB ELEVATION / INDICATES EXISTING GUTTER ELEVATION
- INDICATES EXISTING GROUND ELEVATION
- 74.5 — INDICATES PROPOSED GROUND ELEVATION
- 1% — INDICATES DIRECTION OF FLOW & SLOPE
- GB — INDICATES GRADE BREAK
- P= — INDICATES PROPOSED PAVEMENT ELEVATION
- C= — INDICATES PROPOSED TOP OF CONC. ELEVATION
- G= — INDICATES PROPOSED GUTTER ELEVATION
- GR= — INDICATES CATCH BASIN GRATE ELEVATION
- GF= — INDICATES GARAGE FLOOR ELEVATION
- FF= — INDICATES FINISH FLOOR ELEVATION
- INDICATES PROPOSED 8' DIA. UNDERGROUND RETENTION PIPE WITH DRYWELL
- INDICATES PROPOSED STORM DRAIN PIPE
- INDICATES PROPOSED CATCH BASIN
- LA — INDICATES EXISTING LIGHT POLE
- ET — INDICATES EXISTING ELECTRIC TRANSFORMER
- EB — INDICATES EXISTING ELECTRIC BOX
- WM — INDICATES EXISTING WATER METER
- BWV — INDICATES EXISTING BACKFLOW PREVENTER VALVE
- T — INDICATES EXISTING BURIED TELEPHONE CONDUIT
- E — INDICATES EXISTING BURIED ELECTRIC CONDUIT
- SW — WV — INDICATES EXISTING WATER LINE, VALVE & SIZE
- INDICATES PROPOSED WATER LINE & V.B.&C.
- FH — INDICATES EXISTING FIRE HYDRANT
- INDICATES PROPOSED FIRE HYDRANT
- INDICATES WATER SERVICE - SIZE PER PLAN
- SS — INDICATES EXISTING SEWER LINE & SIZE
- INDICATES PROPOSED SEWER PIPE
- INDICATES PROPOSED SEWER MANHOLE

RETENTION CALCULATION:

REQUIRED VOLUME

V = REQUIRED RETENTION VOLUME, CF
D = DEPTH OF WATER TO RETAIN, 2.4 INCH
A = TOTAL SITE AREA, 339,820 SF
C = RUNOFF COEFFICIENT, 0.95

$$V = \frac{D}{12} AC$$

$$V = \frac{2.4}{12} (339,820)(0.95)$$

V = 64,566 CF

PROVIDED VOLUME

UNDERGROUND VOLUME = 64,798 CF
(1,289 L.F. 8' DIA. PIPE)

TOTAL PROVIDED = 64,798 CF

SCALE: 1" = 30'
0' 15' 30' 60'

SHEET 2 OF 2

Expires 9-30-2013

2011-328 JAN. 3, 2012 REV 1

TEMPE APARTMENTS TEMPE, ARIZONA

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