

A PORTION OF THE NORTHWEST QUARTER OF SECTION 21, TOWNSHIP 1 NORTH,
RANGE 5 EAST, OF THE GILA AND SALT RIVER BASE AND MERIDIAN,
MARICOPA COUNTY, ARIZONA
120 N. BEVERLY

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RANGE 5 EAST, OF THE GILA AND SALT RIVER BASE AND MERIDIAN,
MARICOPA COUNTY, ARIZONA
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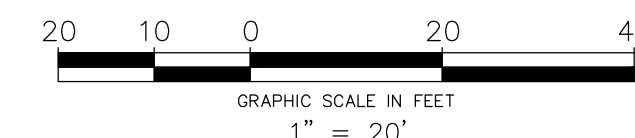
SITE AREA:
NET SITE AREA = 54,292 SF
OR 1.246 ACRES

PRELIMINARY RETENTION CALCULATIONS:

PROVIDE RETENTION FOR THE 100 YEAR 2 HOUR
EVENT, $P=2.2'$, $A=1.246$ ACRES, $C=0.95$
 $Vr=(2.2/12)(A/C)$
 $Vr=(2.2/12)(1.246)(0.95)=0.217$ AC.FT = 9,453 C.F.

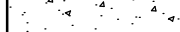
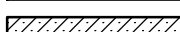
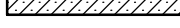
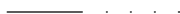
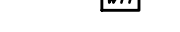
PROVIDE RETENTION IN STORMTECH MC7200
CHAMBERS
USE 6 ENDCAPS, 33 CHAMBERS
 $Vp=6(115.3)+33(267.3)=9,512$ C.F.

PROVIDE 1 MAXWELL PLUS DRYWELL



CURB AND GUTTER	
REVERSE GUTTER	
MANHOLE	
CURB / YARD DROP INLET	
FLARED END SECTION	
FIRE HYDRANT	
VALVE	
REDUCER	
TEE	
BEND	
SIAMSE CONNECTION	
STORM DRAINAGE LINE	
SANITARY SEWER LINE	
WATER LINE	
CLEANOUT	
SPOT ELEVATION	
TC = TOP OF CURB TB = TOP OF BANK FL = FLOW LINE EP = EDGE OF PAVEMENT TW = TOP OF WALL P = PAVEMENT SW = SIDEWALK TF = TOP OF FOOTING BW = BOTTOM OF WALL	
CONCRETE WALK	
HEAVY DUTY CONCRETE	
HEAVY DUTY PAVEMENT	
SWALE	
PROPERTY LINE	
ROADWAY CENTERLINE	
LIGHTPOLE	
WATER METER	
BACKFLOW PREVENTER	
1' CONTOUR	
10' CONTOUR	
DRAINAGE FLOW DIRECTION	

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Beverly Apartments
120 North Beverly
Mesa, AZ 85201

COPA HEALTH
924 North Country Club Drive
Mesa, AZ 85201

Project	Owner
Drawn/Checked	
JSR/JSR	
Date	
11/22/24	
Project Number	
324028 / 24-055-50	
Sheet Number	
PRELIMINARY GRADING, DRAINAGE, AND UTILITY PLAN	

C1