

A PORTION OF THE NORTHEAST QUARTER OF SECTION 19, TOWNSHIP 1 NORTH,
RANGE 5 EAST, OF THE GILA AND SALT RIVER BASE AND MERIDIAN,
MARICOPA COUNTY, ARIZONA
2242 W. MAIN STREET



ENGINEER:
RCC DESIGN GROUP, LLC
ATTN: JULIE S. RAYBURN, P.E.
16815 S. DESERT FOOTHILLS PKWY., SUITE 138
PHOENIX, AZ 85048
480.598.0270
480.598.0273 FAX

BENCHMARK:
THE BENCHMARK FOR THIS SURVEY IS THE CITY OF MESA BENCHMARK
BEING A BRASS TAG ON TOP OF CURB, LOCATED AT THE
INTERSECTION OF DOBSON ROAD AND BROADWAY ROAD, HAVING AN
ELEVATION OF 1211.64 FEET, NAVD88

SITE AREA:
42,017 S.F. OR 0.965 ACRES

PRELIMINARY RETENTION CALCULATIONS:

REQUIRED VOLUME:
 $V_r = (P/12)(C)(A)$

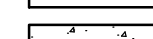
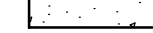
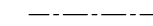
A=0.965 ACRES
P=2.16" (100 YR 2 HR)
C=0.95

$$Vr = (1.5/12)(0.95)(0.965) = 0.16 \text{ AC.FT OR } 7,188 \text{ C.F.}$$

RETENTION TO BE PROVIDED IN CONCRETE STORM CAPTURE TANK AND PUMPED TO NEAREST EXISTING CITY STORM INLET.

	PROPOSED
CURB AND GUTTER	
REVERSE GUTTER	
MANHOLE	
CURB / YARD DROP INLET	
FLARED END SECTION	
FIRE HYDRANT	
VALVE	
REDUCER	
TEE	
BEND	
SIAMESE 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	

[illegible]

La Mesita Phase 4
2242 West Main Street
Mesa, AZ 85201

A New Leaf, Inc.
868 East University Drive
Mesa, AZ 85203

Project	Owner
Drawn/Checked	
JSR / JSR	
Date	
12/21/2022	
Project Number	
322032 / 22-087-50	
Sheet Number	

Contact Arizona 811 at least two full
 working days before your dig site excavation.

 Call 811 or click Arizona811.com



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DESIGN
GROUP, LLC

"...WHATEVER IT TAKES."
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PRELIMINARY GRADING AND DRAINAGE PLAN

C1

20 10 0 20 40

GRAPHIC SCALE IN FEET

1" = 20'

PRELIMINARY GRADING AND DRAINAGE PLAN