

100-YR RUNOFF & RETENTION CALCULATIONS:

VOLUME REQUIRED:
 $V_{REQ} = C * D * A / 12$
WHERE: V_{REQ} = RUNOFF VOLUME (SF)
C = WEIGHTED RUNOFF COEFFICIENT = 0.95
D = 100-YR, 2-HR RAINFALL DEPTH (IN) = 2.20-IN
A = AREA OF PROJECT SITE IN ACRES (10.87 AC)

$V_R = 82,447$ CF

$V_P = 83,252$ CF

FLOOD ZONE INFORMATION

THIS PROJECT IS LOCATED WITHIN ZONE X OF THE F.E.M.A. FLOOD INSURANCE RATE MAP, MAP #04013C2760L, DATED OCT. 16 2013. ZONE X IS DEFINED AS: AREAS OF 0.2% ANNUAL CHANCE FLOOD; AREAS OF 1% ANNUAL CHANCE FLOOD WITH AVERAGE DEPTHS OF LESS THAN 1 FOOT OR WITH DRAINAGE AREAS LESS THAN 1 SQUARE MILE; AND AREAS PROTECTED BY LEVES FROM 1% ANNUAL CHANCE FLOOD.

LEGEND

- SEWER LINE
- SEWER MANHOLE
- WATER LINE
- FIRE HYDRANT
- WATER VALVE
- FF= FINISHED FLOOR
- SLOPE DIRECTION
- STORM DRAIN PIPE
- TRENCH DRAIN PIPE
- CATCH BASIN
- DRYWELL
- GUTTER

PRELIMINARY GRADING & DRAINAGE PLANS
FOR
CANNON BEACH PHASE 2

A PORTION OF THE NORTHWEST QUARTER OF SECTION 19
TOWNSHIP 1 SOUTH, RANGE 7 EAST OF GILA AND SALT RIVER MERIDIAN,
MARICOPA COUNTY, ARIZONA

BASIS OF BEARING

THE WEST LINE OF THE NORTHWEST QUARTER OF SECTION 19, TOWNSHIP 1 SOUTH, RANGE 7 WEST OF THE GILA AND SALT RIVER MERIDIAN, MARICOPA COUNTY, ARIZONA.

BEARING = NORTH 00°54'54" WEST
(AS SHOWN ON THE RECORD OF SURVEY, BK. 995, PG. 8, MCR)

PROJECT TEAM

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VICINITY MAP
N.T.S.

