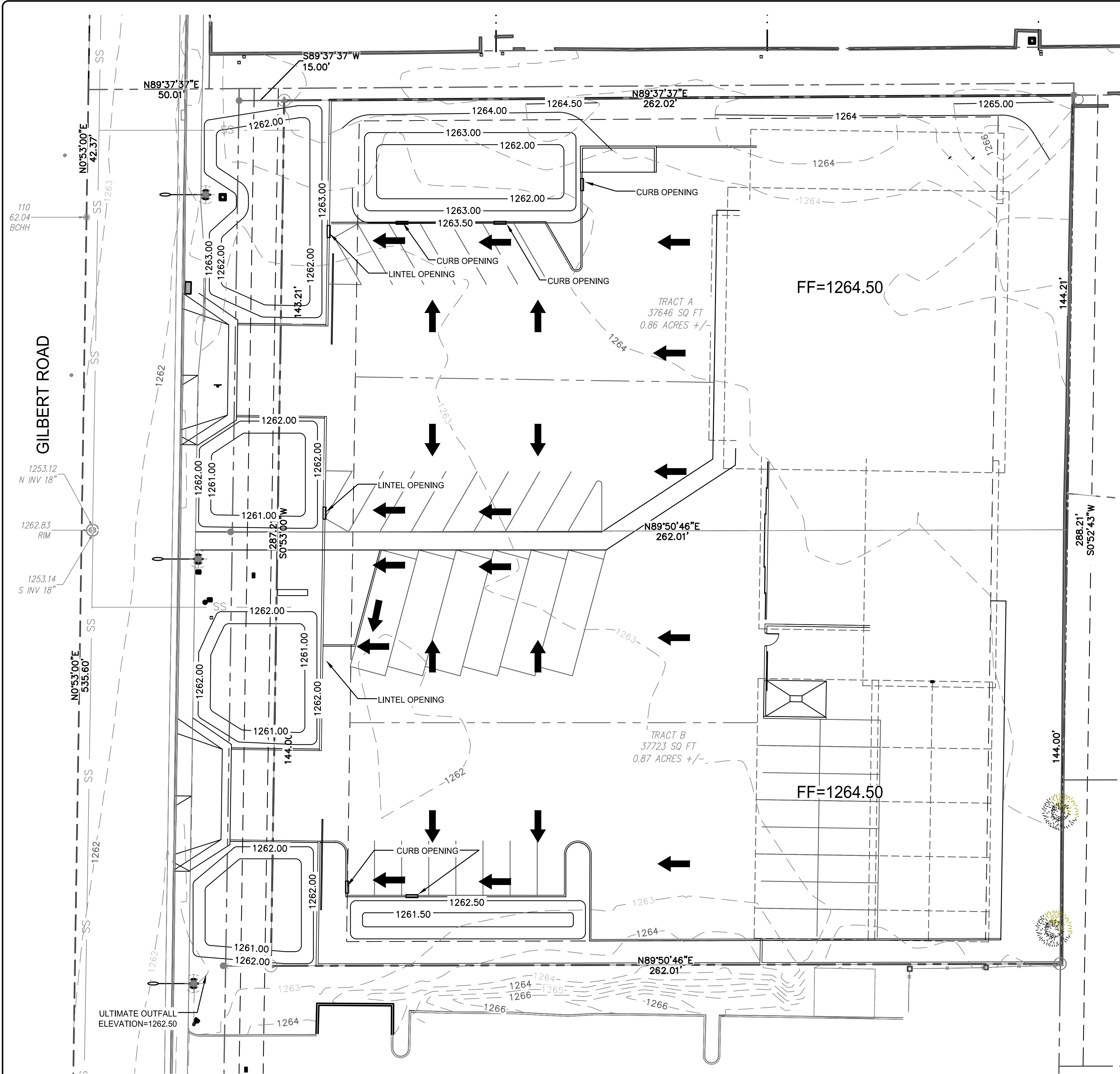




LEGEND

GRADE BREAK

→

DIRECTION OF DRAINAGE FLOW

—1298—

PROPOSED CONTOUR

Mow Power Development
PRE DEVELOPMENT-VOLUME RETENTION REQUIRED-SUMMARY

BASIN A	DRAINAGE AREA	RUNOFF COEFFICIENT	AREA (ACRES)	R _R (CF)
Mow Power	1	0.50	1.90	7,587
TOTAL			1.90	7587

Mow Power Development
POST DEVELOPMENT-VOLUME RETENTION PROVIDED-SUMMARY

BASIN A	DRAINAGE AREA	RUNOFF COEFFICIENT	AREA (ACRES)	D (FT)	A _T (SF)	A _B (SF)	R _P (CF)	% Excess	Excess (CF)
Mow Power	1	0.86	1.90	1.0	9,577	5,811	7,694	1%	107
TOTAL			1.90	1.00	9577.00	5811.00	7694.00	1%	107

TOTAL VOLUME RETENTION EXCESS

CF
107

100yr-2hr precipitation depth¹ = 2.20 inches = 0.1833 ft

Retention Required (R_R)¹ = C x P/12 x A

Where: C = Weighted runoff coefficient
P = 100-year 2-hour rainfall depth
A = Contributing Area (SF)

Retention Provided (R_P) = [(A_T + A_B) / 2] x D

Where: A_T = Basin Top Area (SF)
A_B = Basin Bottom Area (SF)
D = Basin Depth (FT)

1. City of Sedona Land Development Code, Table 8.2

REVISIONS:

Babbitt Nelson Engineering

1140 E. Greenway St, Suite 2

Mesa, Arizona 85203

tel: (480) 610-1341

fax: (480) 962-9034

cel: (480) 497-0003

PRELIMINARY GRADING & DRAINAGE PLAN

PROJECT: MOW POWER

845 N. GILBERT RD. MESA, AZ 85213

CALL TWO WORKING DAYS BEFORE POI DOG

263-1100

1-800-STAKE-IT

(OUTSIDE MARICOPA COUNTY)

Professional Engineer

SMITH

12/23/2016 11:38:52 PM

ARIZONA, U.S.A.

EXPIRES 09/30/19

JOB NO. 17253

PRELIM G&D.DWG

SHEET NO. 1

1 of 1