

THE P.B. BELL COMPANIES
8434 NORTH 90TH STREET, SUITE 100
SCOTTSDALE AZ 85258
CONTACT: TIM DONHAUSER
PH: (480)-951-2222

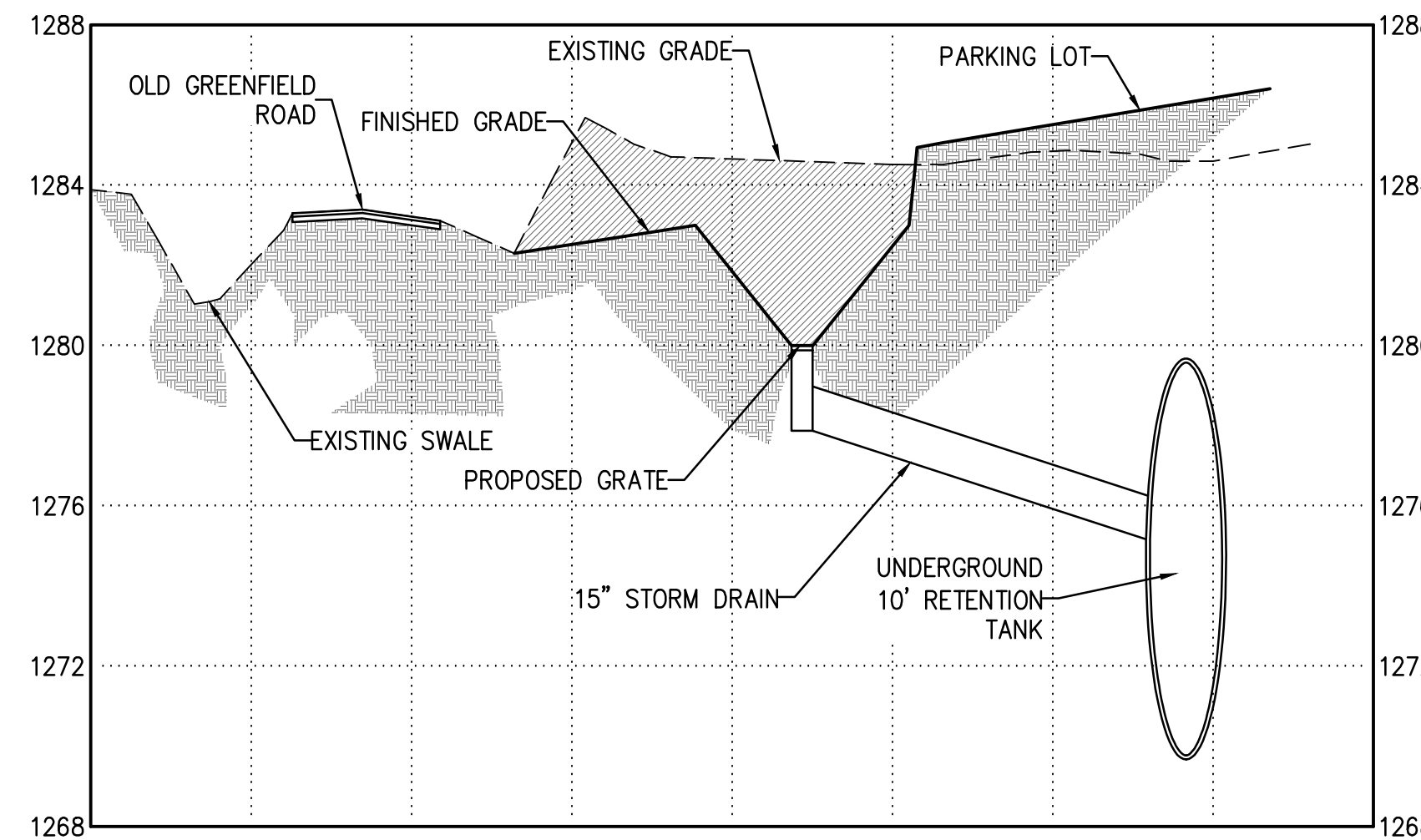
HILGARTWILSON
2141 E. HIGHLAND AVE. STE #250
PHOENIX, ARIZONA 85016
PHONE: (602) 490-0535
FAX: (602) 368-2436
CONTACT: GEORGE KRALL

BASIS OF BEARING IS S89°38'43"E
D ALONG THE SOUTH LINE OF THE
SOUTHWEST QUARTER OF SECTION
34, TOWNSHIP 1 NORTH, RANGE 6
EAST OF THE GILA AND SALT
RIVER MERIDIAN, MARICOPA
COUNTY, ARIZONA.

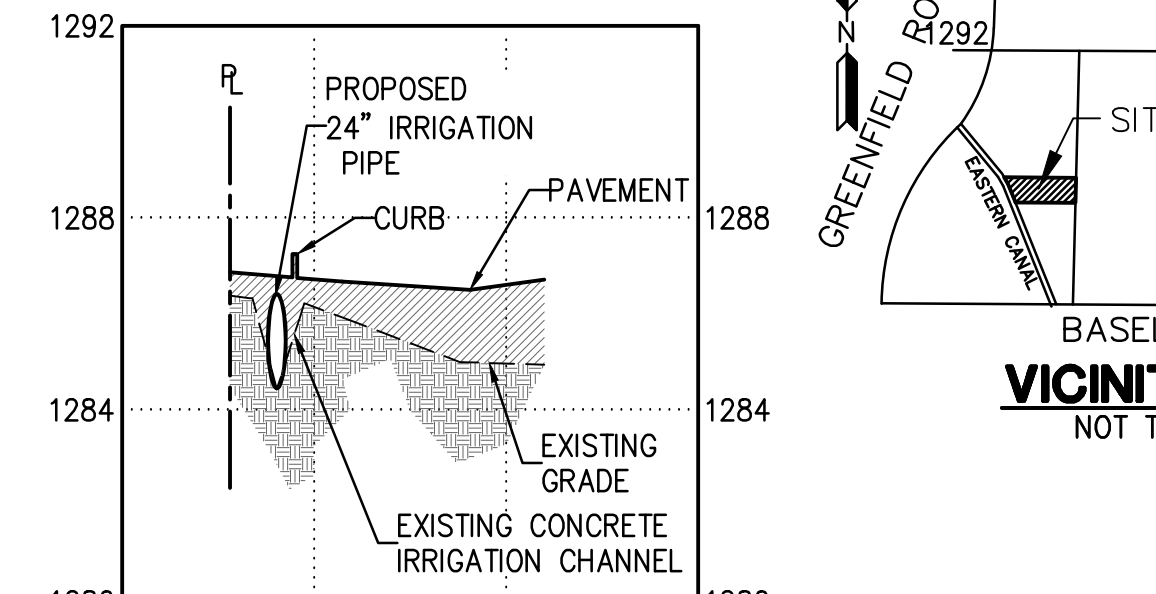
INSPIRA AT MESA GATEWAY
1825 S. OLD GREENFIELD RD.
MESA, ARIZONA

6" FL
2" W

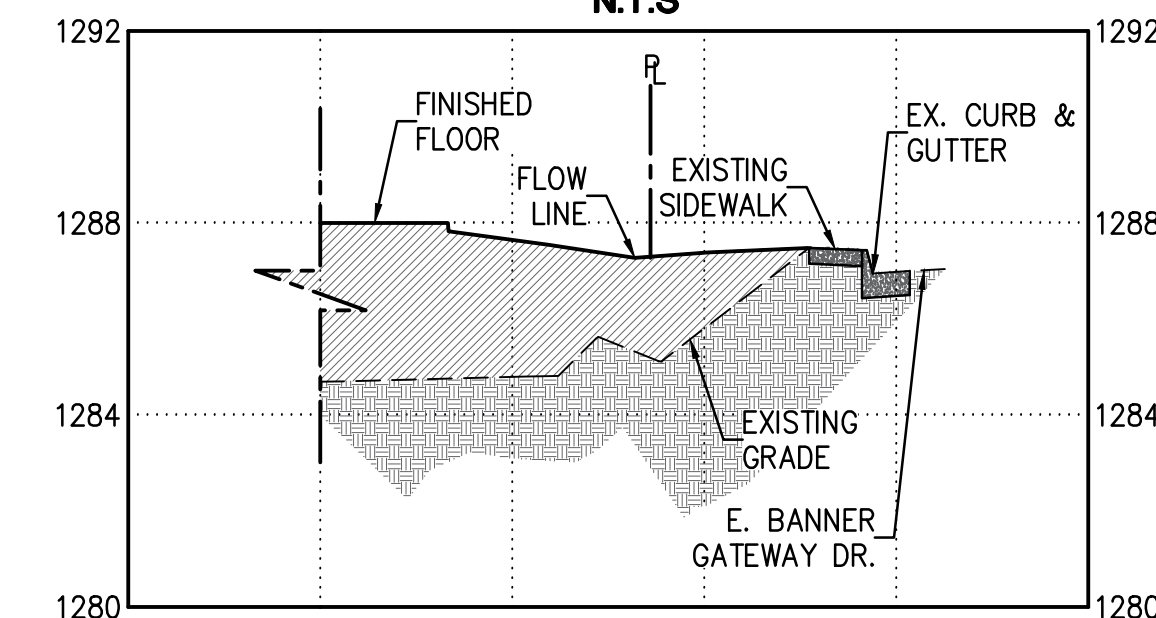
EX. WATER BACK FLOW PREVENTER
EX. WATER STUB OUT
SANITARY SEWER MANHOLE
FIRE HYDRANT
DRYWELL
FIRELINE
DOMESTIC WATERLINE
GRADE BREAK
FLOW LINE
EXISTING FLOW LINE ARROW
NEW FLOW LINE ARROW
EXTREME OUTFALL ARROW
EX. ELECTRIC PULL BOX
WATER VALVE
SIDEWALK SCUPPER
CURB OPENING



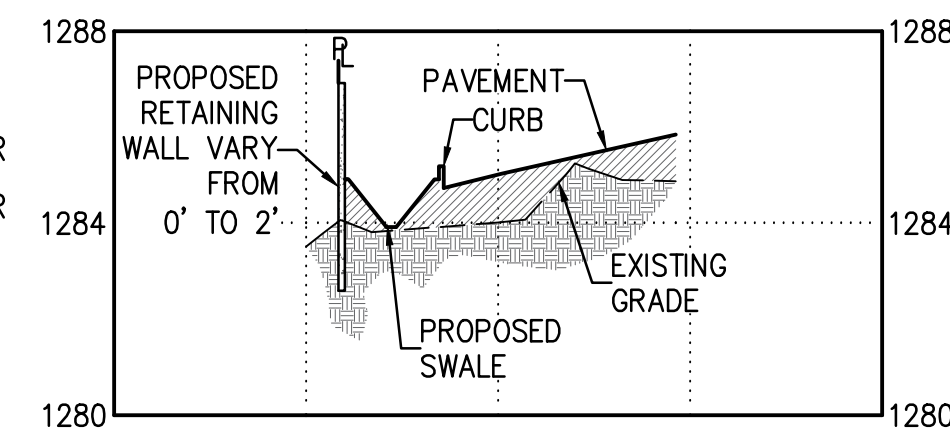
SECTION A-A
N.T.S



SECTION C
N.T.S



SECTION D-D
N.T.S



SECTION B-B
N.T.S

BENCHMARK IS A FOUND
CONCRETE NAIL W/ TAG FLUSH
WITH CURB, STAMPED "CITY OF
MESA" WEST SIDE OF DRIVEWAY
AT 4850 E. BASELINE RD.
CITY OF MESA BENCHMARK
ELEVATION: 1288.99'
DATUM: NAVD88

THE SUBJECT PROPERTY LIES WITHIN SHADED ZONE "X" WITH A DEFINITION OF: 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 LEVEES FROM 1% ANNUAL CHANCE FLOOD. DESIGNATION DETERMINED BY FEMA FLOOD ZONE MAP 04013C2288M, PANEL NUMBER 2288 OF 4425, EFFECTIVE DATE NOVEMBER 4, 2015.

$V_R = (P/12) \cdot A \cdot C$
 V_R = VOLUME REQUIRED TO RETAIN (CUBIC FEET)
 P = 2.16 IN (100-YR, 2-HR)
 A = TOTAL AREA (SQUARE FEET).
 C = WEIGHTED COEFFICIENT (100-YR)

ONE

S

W

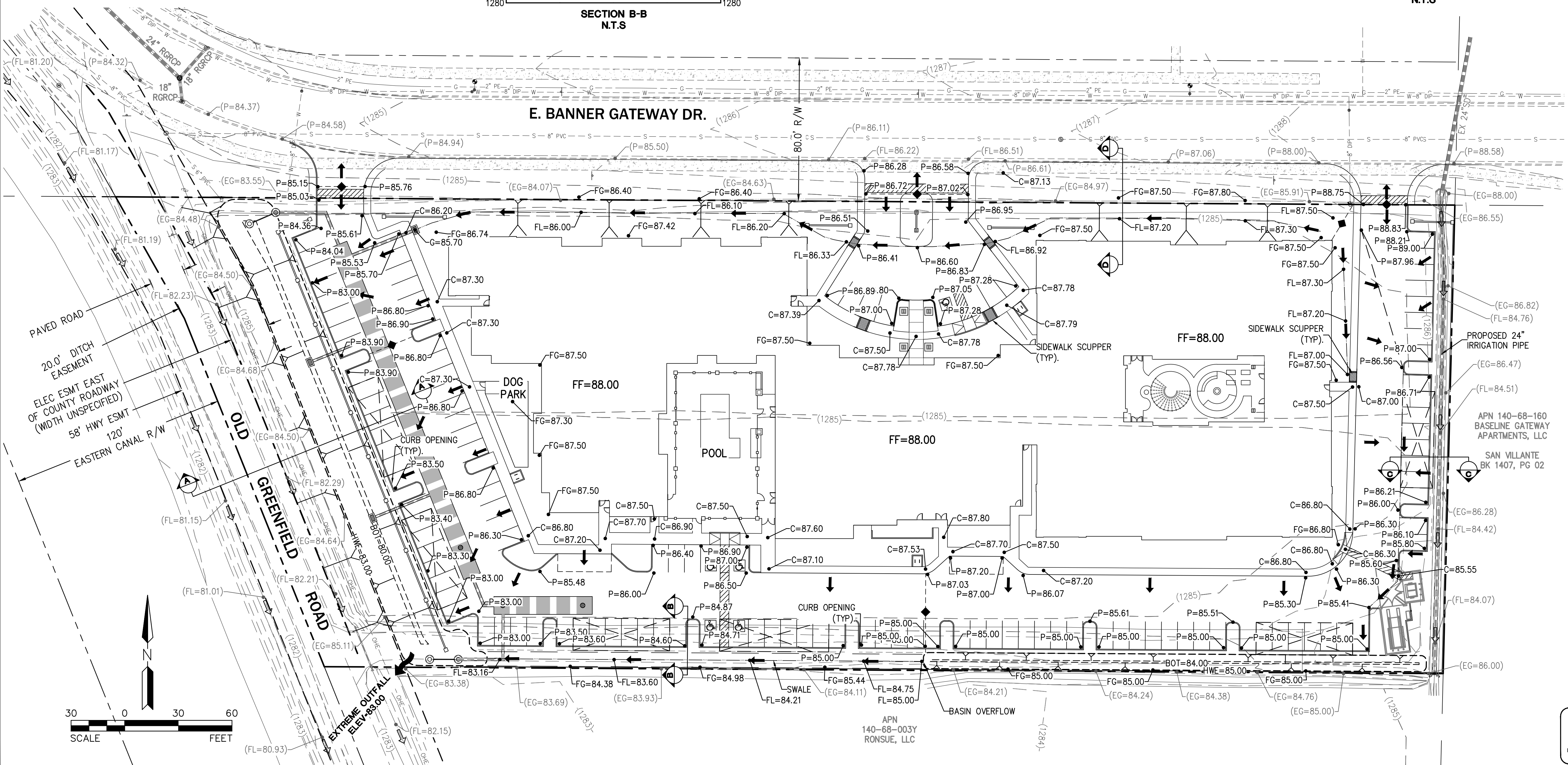
G

BOUNDARY LINE
SECTION LINE
CENTER LINE
EASEMENT
RIGHT OF WAY LINE
OVERHEAD ELECTRIC
EXISTING SEWER
EXISTING WATER LINE
EXISTING GAS LINE
STORMDRAIN PIPE
RIGHT-OF-WAY
ASSESSOR PARCEL NUMBER
GREASE TRAP INTERCEPTOR
EX. UTILITY POLE
EX. ELECTRIC VAULT

DRAINAGE AREA	AREA	V _R	V _P
1	199,409	34,099	34,377

$$V_R = (P/12) * A * C$$

P= 2.16 IN
A= 199,409 SF
C= 0.95



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REV.:



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PHOENIX, AZ 85016
www.hilgartwilson.com



INSPIRA A I MESA GATEWAY

1023 S. OLD GREENFIELD RD.
MESA, ARIZONA 85206

PRELIMINARY GRADING & DRAINAGE PLAN

HILGARI WILSON

PROJ NO.:	2072
DATE:	FEBRUARY 2019

SCALE: 1:30
DRAWN: CEM

DESIGNED: CEM
APPROVED: GK

DWG. NO.

1

SHT. 1 OF 1

Call at least two full working days
before you begin excavation.

ARIZONA 811
Arizona Blue Stake, Inc.

Dial 8-1-1 or 1-800-STAKE-IT (782-5348)
In Maricopa County: (602) 263-1100

U:\2000\2072\ENGR\PLANS\PRELIM. IMPROVEMENT PLANS\2072 - PRELIM-IMPROV.dwg 3/28/2019 2:19 PM