PRELIMINARY GRADING & DRAINAGE PLAN for

ZEN ON BASELINE

C= WEIGHTED 'C' FOR EACH DRAINAGE AREA

D = 2.2 INCHES (100YR STORM - 2 HR STORM)

A = OFFSITE AREA, (BASELINE ROAD), 28,806 SF

DRAINAGE AREA VOLUME

ONSITE

VOL REQ

4,235 cf

2,203 cf

3,408 cf

11,237 cf

4,569 cf

3,965 cf

4,165 cf

10,074 cf

BASIN

DEPTH

1.00

1.50

1.00

1.00

1.00

1.00 0.50

3.00

1.00

2.00

TOTAL

TOTAL BASIN 2

VOLUME

1,841 cf

9,608 cf

11,448 cf

4,237 cf

11,777 cf

4.589 cf

4.205 cf

4,758 cf

4,655 cf

2,448 cf

3.947 cf

11,050 cf

52,019 cf

AREA

28806 sf

WEIGHTED OFFSITE

0.95

VOL REQ

5,008 cf

TOTAL 2

VOL REQ

5,008 cf

4,235 d

2,203

11,446 cf

3,408 d

11,237 cf

4,569 c

3,965 d

4,165 cf

10,074 cf

48,864 c

A = AREA IN ACRES (INCLUDING HALF STREET)

A = SITE AREA, 6.919 ACRES, 301,412 SF

6136 E. Baseline Road, Mesa 85206

RETENTION CALCULATIONS

A= 7.844 ACRES OR 341.679 SF

0.43

0.69

0.78

0.81

0.69

AREA

1,177

4,651

3,036

9,725

3.142

2,825

8,169

1,727

135

VOLUME REQUIRED

ONSITE

31050 sf

23286 sf

19125 sf

74024 sf

26624 sf

22251 sf

27438 sf

77614 sf

301412 sf

VOLUME PROVIDED

 $(TOP AREA + BOTTOM AREA)/2 \times DEPTH$

BASELINE

DA 1

DA 5

DA 6

DA 7

RETENTION BASIN

BASIN 1

BASIN 2

BASIN 3

BASIN 4

BASIN 5

BASIN 6

BASIN 7

BASIN 8a

BASIN 8b

BASIN 8c

ZEN ON BASELINE

VOLUME REQUIRED

2,504

8,159

13,829

6.036

5,584

10,862

2,968

3,169

3.579

 $Vr = C \times (D/12) \times A$

CITY OF MESA GENERAL NOTES

1. ALL WORK AND MATERIALS SHALL CONFORM TO THE CURRENT UNIFORM STANDARD SPECIFICATIONS AND DETAILS FOR PUBLIC WORKS CONSTRUCTION AS FURNISHED BY THE MARICOPA ASSOCIATION OF GOVERNMENTS AND AS AMENDED BY THE CITY OF MESA. ALL WORK AND MATERIALS NOT IN CONFORMANCE WITH THESE AMENDED SPECIFICATIONS AND DETAILS ARE SUBJECT TO REMOVAL AND REPLACEMENT AT THE

2. SEPARATE RIGHT-OF-WAY PERMITS ARE REQUIRED FOR ALL PUBLIC UTILITIES, PUBLIC STREET

AND RIGHT-OF-WAY LANDSCAPING. FOR INFORMATION REGARDING AVAILABILITY AND COST OF RIGHT-OF-WAY

PERMITS, CONTACT THE DEVELOPMENT SERVICES DEPARTMENT AT (480) 644-4273 OR AT HTTP: //WWW.MESAAZ.GOV/DEVSUSTAIN/CONSTRUCTIONPERMITS.ASPX. THE CONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED UNLESS OTHERWISE NOTED. CONTRACTORS MUST HOLD THE APPROPRIATE CLASS OF LICENSE AND SHALL HAVE ON FILE WITH THE PERMIT SERVICES SECTION PROOF OF INSURANCE COVERAGE. PERMITS BECOME INVALID AND MUST BE UPDATED IF WORK HAS NOT BEGUN WITHIN NINETY (90) DAYS.

PERMITS ALSO BECOME INVALID IF THE CONTRACTOR'S INSURANCE LAPSES OR IS VOIDED. 3. TWENTY FOUR (24) HOURS PRIOR TO THE COMMENCEMENT OF ANY WORK, CONSTRUCTION OR

ASSOCIATED WITH THIS PERMIT. THE PERMITTEE SHALL NOTIFY CITY OF MESA ENGINEERING DEPARTMENT AT (480) 644-2251 OF INTENT TO BEGIN AND REQUEST/SCHEDULE PRELIMINARY FIELD REVIEW AT THE

SITE WITH THE CITY OF MESA ENGINEERING DEPARTMENT CONSTRUCTION INSPECTOR (CITY INSPECTOR). FAILURE TO PROVIDE PROPER INSPECTION NOTIFICATION AS PRESCRIBED ABOVE SHALL RESULT IN THIS

PERMIT BECOMING INVALID AND WORK BEING STOPPED. 4. CONTRACTOR'S SHALL COMPLY WITH THE REQUIREMENTS TO OBTAIN THE NECESSARY RIGHT-OF-WAY

PERMITS AND SHALL COMPLY WITH THE RIGHT-OF-WAY PERMIT CONDITIONS AS FOUND ON THE BACK OF PERMIT FORM

5. THE CITY OF MESA PARKS & RECREATION DIVISION IS NOT REPRESENTED BY BLUE STAKE. WHEN THE CONTRACTOR EXCAVATES NEAR OR ADJACENT TO A CITY PARK, THE CONTRACTOR SHALL CONTACT THE

RECREATION ADMINISTRATION SECTION AT (480) 644-2354 TO REQUEST ASSISTANCE IN LOCATING ALL THEIR UNDERGROUND FACILITIES.

6. THE CONTRACTOR SHALL OBTAIN AN EARTH-MOVING PERMIT FROM THE MARICOPA COUNTY

SERVICES DEPARTMENT AND SHALL COMPLY WITH ITS REQUIREMENTS FOR DUST CONTROL 7. THE ENGINEER HEREBY CERTIFIES AS EVIDENCED BY A PROFESSIONAL SEAL & SIGNATURE, THAT ALL AFFECTED UTILITY COMPANIES BOTH PUBLIC AND PRIVATE HAVE BEEN CONTACTED AND ALL EXISTING

PROPOSED UTILITY LINES AND OTHER RELATED INFORMATION HAVE BEEN TRANSFERRED ONTO THESE PLANS. THE ENGINEER OR ARCHITECT ALSO HEREBY CERTIFIES THAT ALL EXISTING AND/OR PROPOSED PUBLIC

RIGHT-OF-WAY AND EASEMENTS HAVE BEEN CORRECTLY PLOTTED/SHOWN. 8. THE ENGINEER, OR LAND SURVEYOR OF RECORD SHALL CERTIFY UPON COMPLETION OF CONSTRUCTION

PAGE 2 OF 7 PUBLIC IMPROVEMENTS (WATER AND SEWER UTILITIES, STORM SEWER, CONCRETE, PAVING, STREET LIGHTS, ETC.) HAVE BEEN INSTALLED AT THE LOCATIONS AND ELEVATIONS SHOWN ON THE APPROVED PLANS. ANY CHANGES SHALL BE REFLECTED ON "AS-BUILT" DRAWINGS PROVIDED BY THE ENGINEER TO THE CITY'S

9. THE REGISTERED ENGINEER OR LAND SURVEYOR SHALL CERTIFY THAT THE MINIMUM HORIZONTAL AND

SEPARATIONS BETWEEN UTILITIES WITHIN PUBLIC RIGHT-OF-WAY AND EASEMENTS HAVE BEEN MAINTAINED AS REQUIRED BY LAW OR POLICY.

10. THE DEVELOPER SHALL PROVIDE ALL CONSTRUCTION STAKING FOR THE PROJECT. 11. THE DEVELOPER OR THE ENGINEER IS RESPONSIBLE FOR ARRANGING FOR THE RELOCATION OR REMOVAL

UTILITIES OR FACILITIES THAT ARE IN CONFLICT WITH THE PROPOSED PUBLIC IMPROVEMENTS. THE

CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE RELOCATION OF ALL UTILITIES, POWER POLES, IRRIGATION DRY-UPS, RESETS REMOVALS BY OTHERS, ETC.

12. THE CONTRACTORS SHALL LOCATE ALL UTILITIES PRIOR TO EXCAVATION AND AVOID DAMAGE TO SAME. CALL (602) 263-1100 FOR BLUE STAKE TWO WORKING DAYS PRIOR TO DIGGING. CALL SALT RIVER PROJECT FOR

POLE BRACING, ELECTRIC SERVICE OR CONSTRUCTION SCHEDULING AT (602) 273-8888. 13. WHEN GAS MAINS AND/OR SERVICES ARE EXPOSED, CONTACT THE CITY OF MESA AT (480) 644-2261

INSPECTION OF THE EXPOSED PIPE AND COATING PRIOR TO BACKFILLING OF THE TRENCH 14. CONTRACTORS SHALL COMPLY WITH THE PROVISIONS FOR TRAFFIC CONTROL AND BARRICADING PER THE CURRENT

CITY OF MESA TRAFFIC BARRICADE MANUAL. 15. IF A FIRE HYDRANT IS NEEDED TO OBTAIN CONSTRUCTION WATER, THE CONTRACTOR SHALL OBTAIN A

HYDRANT METER FROM PERMIT SERVICES AND PAY ALL APPLICABLE FEES AND CHARGES.

16. IF DURING THE CONSTRUCTION OF A PUBLIC FACILITY, THE CONTRACTOR FAILS TO OR IS UNABLE TO

REQUEST OF THE CITY INSPECTOR, AND IT IS NECESSARY FOR CITY FORCES TO DO WORK THAT IS

CONTRACTOR'S RESPONSIBILITY, THE CITY SHALL BE JUSTIFIED IN BILLING THE CONTRACTOR. EACH INCIDENT REQUIRING WORK BY CITY FORCES SHALL BE COVERED BY A SEPARATE BILLING AT THE CURRENT APPLICABLE

RATES. 17. THE CONTRACTOR IS ADVISED THAT DAMAGE TO PUBLIC SERVICES OR SYSTEMS AS A RESULT OF THIS PROJECT

SHALL BE REPAIRED BY THE CONTRACTOR AND INSPECTED BY THE CITY INSPECTOR. UNLESS OTHERWISE APPROVED BY THE CITY, ALL REPAIRS SHALL BE DONE WITHIN 24 HOURS. THE CONTRACTOR IS ADVISED

ANY COSTS RELATED TO REPAIR OR REPLACEMENT OF DAMAGED PUBLIC SERVICES AND SYSTEMS AS A OF CONTRACTOR'S ACTIVITIES SHALL BE BORNE BY THE CONTRACTOR.

FLOOD PLAIN STATEMENT

THIS PARCEL OF LAND LIES WITHIN FLOOD ZONE 'X' AS DESIGNATED BY THE FLOOD INSURANCE RATE MAP. ZONE 'X' HAS BEEN DETERMINED TO BE AN AREA THAT LIES OUTSIDE OF THE 100 YEAR AND 500 YEAR FLOODPLAIN. COMMUNITY - PANEL NUMBER: 04013 C 2990 M EFFECTIVE DATE: November 4, 2015

PACIFIC RIM PROPERTY INVESTMENTS, LTD.

23645 N. 83rd Place Scottsdale, AZ. 85255 602-456-1917 Contact: Anthony Miachika

SHEET INDEX

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SHEET	GD1
SHEET	GD2
SHEET	GD3
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SHEET	W5

COVER SHEET P. GRADING AND DRAINAGE P. GRADING AND DRAINAGE DRAINAGE AREA MAP PRELIMINARY WATER PLAN

LEGAL DESCRIPTION

HAT PART OF THE SOUTHWEST QUARTER OF SECTION 36, TOWNSHIP 1 NORTH, RANGE 6 EAST OF THE GILA AND SALT RIVER MERIDIAN, MARICOPA COUNTY, ARIZONA, DESCRIBED AS FOLLOWS:

TRACTS 1 AND 2, SANTA MARGUERITA CITRUS GROVE NO. 1, AS PER SURVEY RECORDED IN BOOK 44 OF MISCELLANEOUS RECORDS, PAGE 221;

EXCEPT THOSE PORTIONS CONVEYED TO FLOOD CONTROL DISTRICT OF MARICOPA COUNTY RECORDED IN RECORDING NO. 84-005732 AND THE CITY OF MESA, RECORDED IN RECORDING NO. 84-553613 AND IN RECORDING NO. 92-213027.

THAT PORTION OF THE SOUTHWEST QUARTER OF SECTION 36. TOWNSHIP 1 NORTH, RANGE 6 EAST OF THE GILA AND SALT RIVER MERIDIAN, MARICOPA COUNTY, ARIZONA, DESCRIBED AS FOLLOWS:

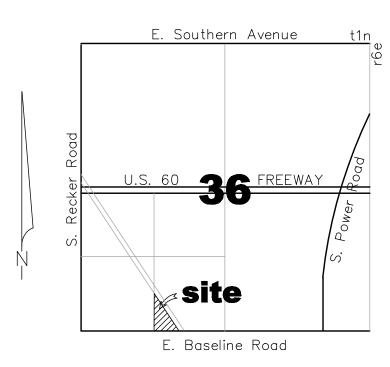
BEGINNING AT A POINT 499.94 FEET NORTH AND 33.0 FEET EAST OF THE SOUTHWEST CORNER OF SAID SECTION 36; THENCE NORTH 89 DEGREES 00 MINUTES EAST ALONG THE SOUTH LINE OF TRACTS 5 AND 6, SANTA MARGUERITA CITRUS GROVES, NO. 1, ACCORDING TO THE PLAT OF SURVEY RECORDED IN BOOK 44 OF MISCELLANEOUS RECORDS, PAGE 221; RECORDS OF MARICOPA COUNTY, ARIZONA, A DISTANCE OF 1193.87 FEET TO A POINT ON THE SOUTHWESTERLY BOUNDARY OF THE RIGHT-OF-WAY FOR THE ROOSEVELT WATER CONSERVATION DISTRICT CANAL;

THENCE NORTH 28 DEGREES 35 MINUTES 00 SECONDS WEST, ALONG SAID BOUNDARY, A DISTANCE OF 436.20 FEET;

THENCE SOUTH 88 DEGREES 45 MINUTES 00 SECONDS WEST, ALONG THE NORTH LINE OF SAID TRACTS 5 AND 6, A DISTANCE OF 985.22 FEET TO A POINT 33.0 FEET EAST OF THE WEST LINE OF SAID

THENCE SOUTH 382.30 FEET TO THE POINT OF BEGINNING; EXCEPT THE WEST 858.01 FEET THEREOF.

APN: 141-54-001A, 141-54-002D, 141-54-006E



VICINITY MAP

SITE ADDRESS

141-54-001A 141-54-002D 141-54-006E

6136 E. Baseline Road Mesa, AZ. 85206

BENCH MARK

BRASS TAG TOP OF CURB NORTHEAST CORNER OF RECKER ROAD AND BASELINE ROAD.

ELEVATION: 1327.10 CITY OF MESA DATUM: NAVD88

GROSS SITE AREA

NET **SITE AREA**

341,678.61 square feet 7.844 acres

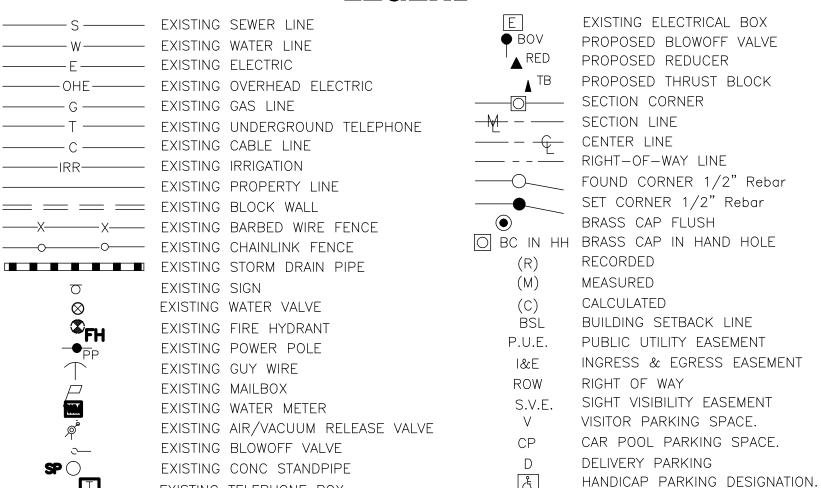
EXISTING TELEPHONE BOX

EXISTING SEWER MANHOLE

EXISTING POST INDICATOR VALVE

301,412.39 square feet 6.919 acres

LEGEND



B

C

ENGINE CIMI

C

Meson,

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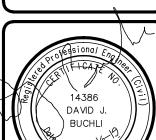
2018 - 03

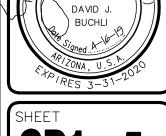
1"=20'

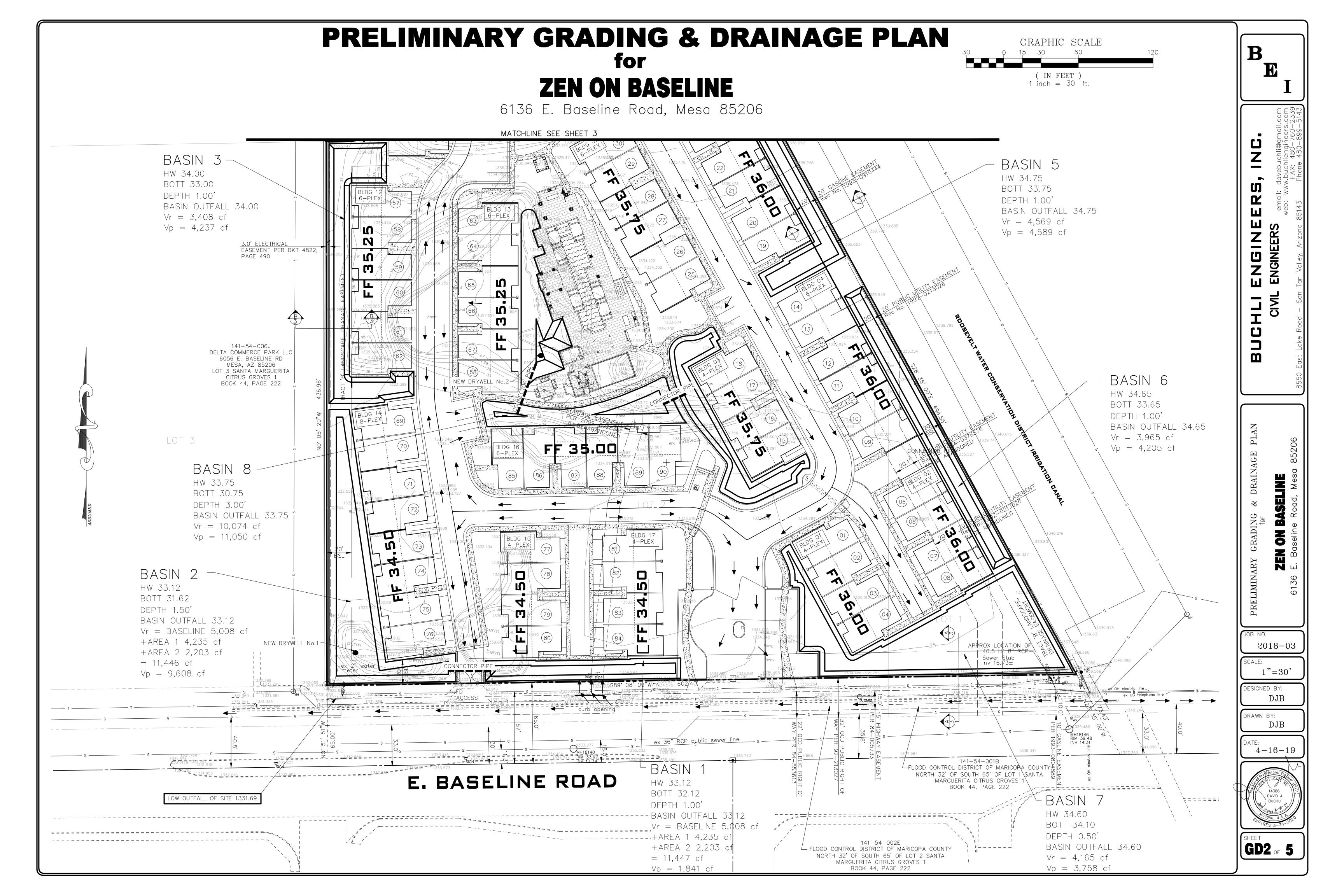
ESIGNED BY: DJB

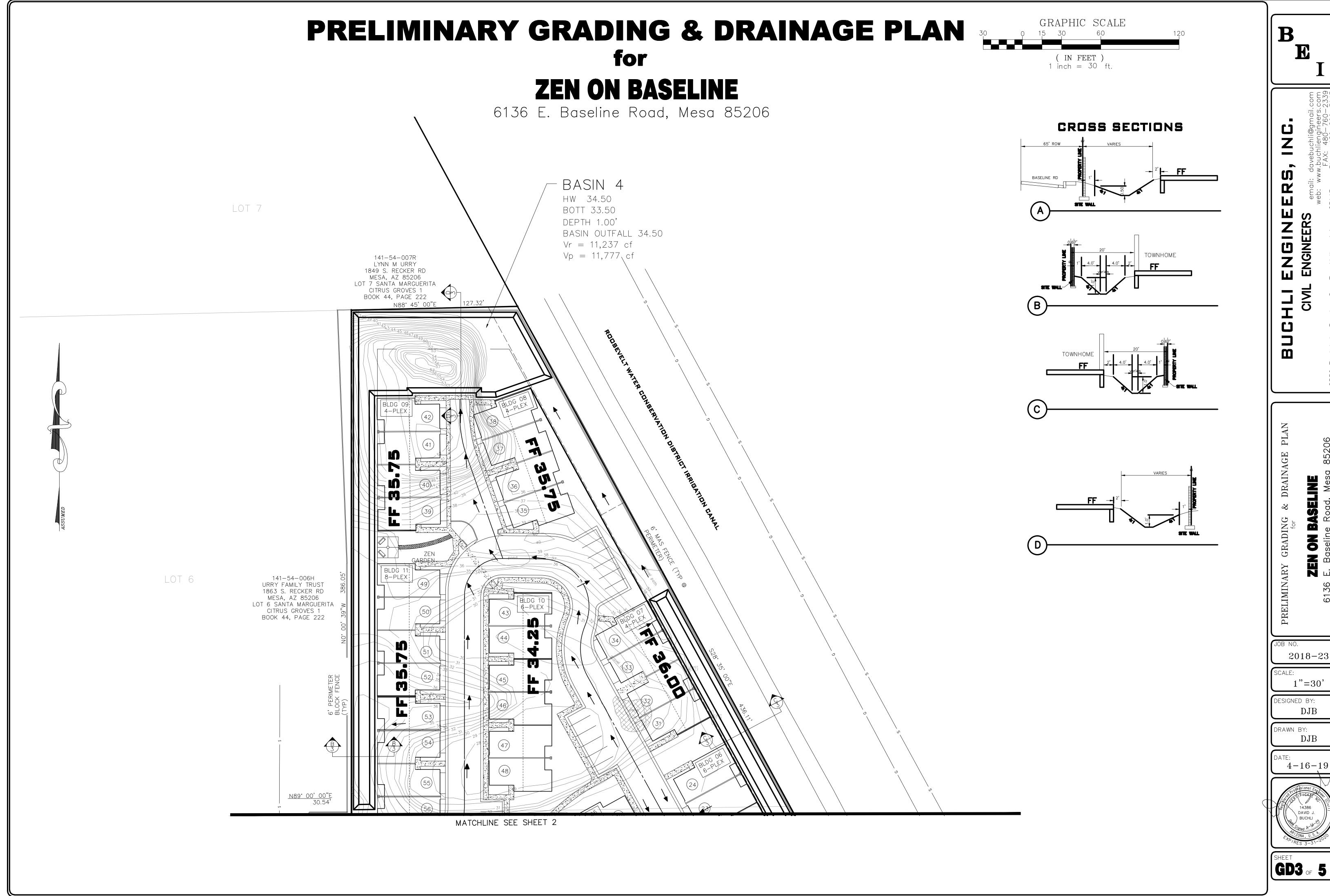
RAWN BY:

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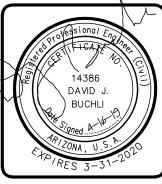










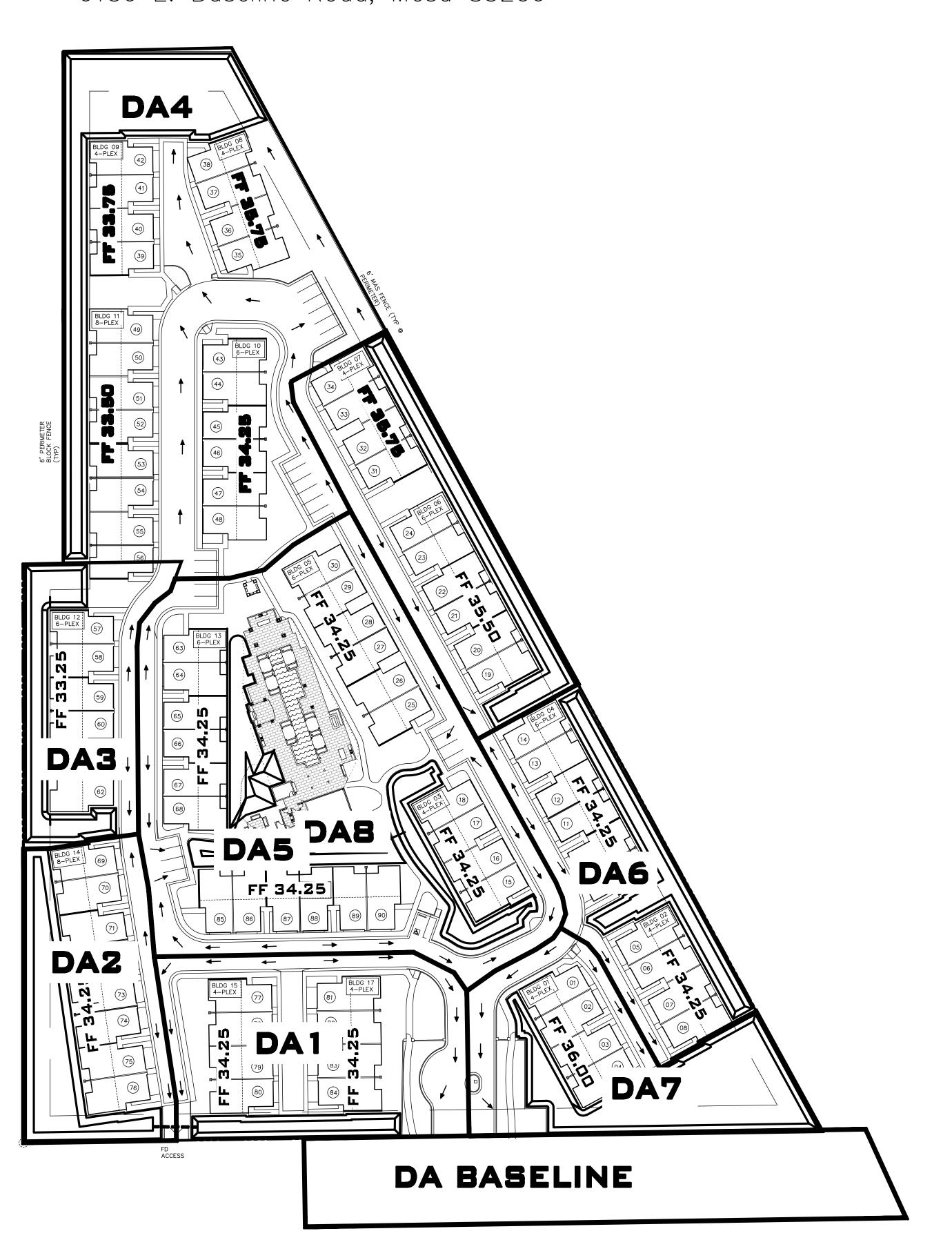


DRAINAGE AREA MAP for ZEN ON BASELINE

(IN FEET) 1 inch = 20 ft.

GRAPHIC SCALE

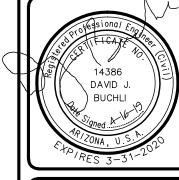
6136 E. Baseline Road, Mesa 85206



2018-23

DESIGNED BY:

4 - 16 - 19



GRAPHIC SCALE PRELIMINARY UTILITY PLAN for (IN FEET) 1 inch = 30 ft. ZEN ON BASELINE 6136 E. Baseline Road, Mesa 85206 TYPE OF PIPE PRIVATE SEWER LINE 8" PVC SDR35 PRIVATE DOMESTIC WATER LINE 6" PVC-C900 PRIVATE FIRE LINE 8" PVC-C900

 $\mathbf{B}_{\mathbf{I}}$

ail: davebuchli@gmail.com www.buchliengineers.com FAX: 480-760-233

BUCHLI ENGINEERS

CIVIL ENGINEERS

Web: WWW.B

a 85206

VON BASELINE Saseline Road, Mes

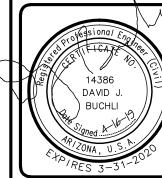
NO.

1"=30'

DESIGNED BY: ${
m DJB}$

DRAWN BY:

DATE: 4-16-19



SHEET **W5** OF **5**