

# UKA, LLC

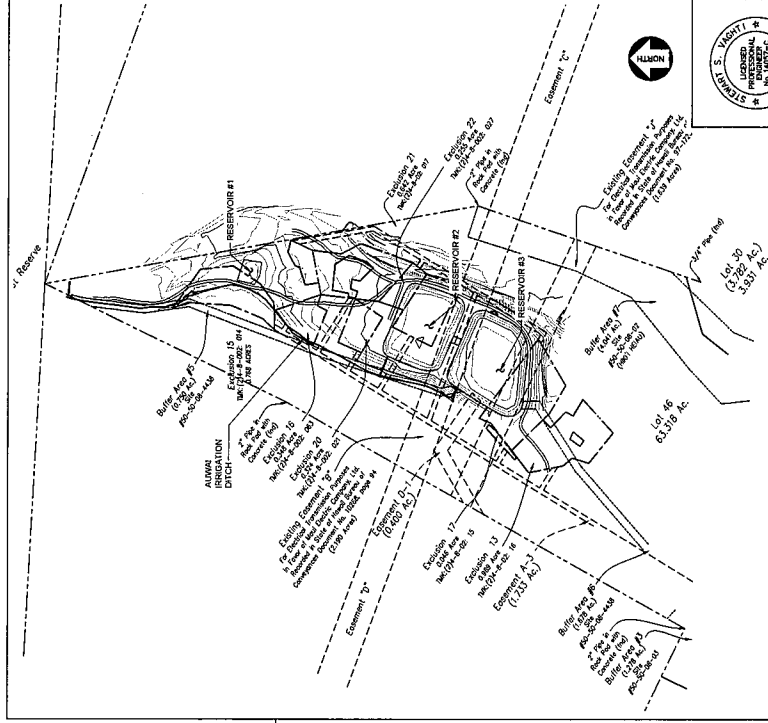
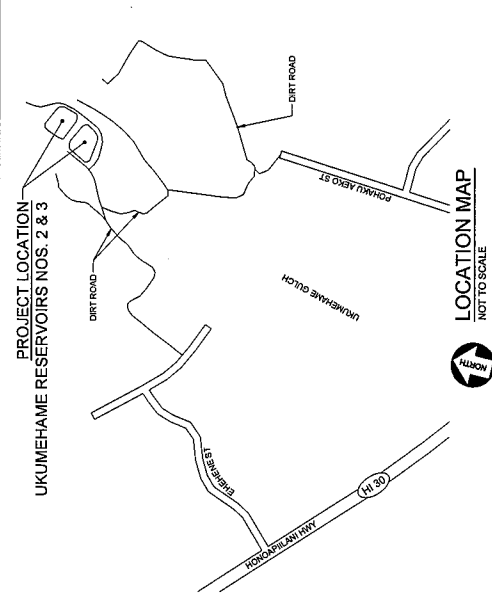
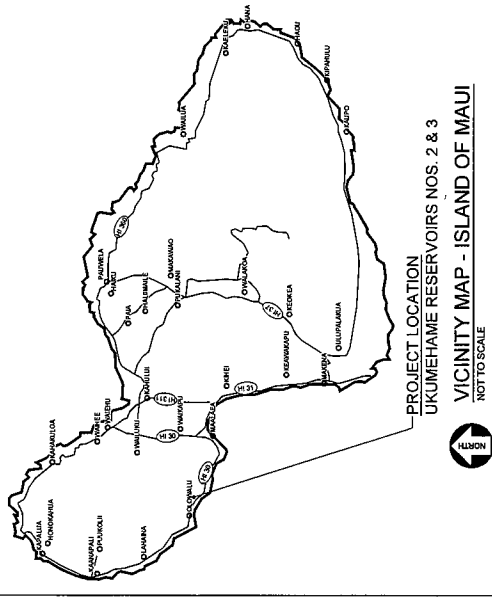
## UKUMEHAME RESERVOIRS NOS. 2 & 3 DAM REMOVAL AND GRADING

TAX MAP KEYS: (2) 4-8-002:066, (2) 4-8-002:015, (2) 4-8-002:017,  
(2) 4-8-002:027, (2) 4-8-002:064, (2) 4-8-002:118

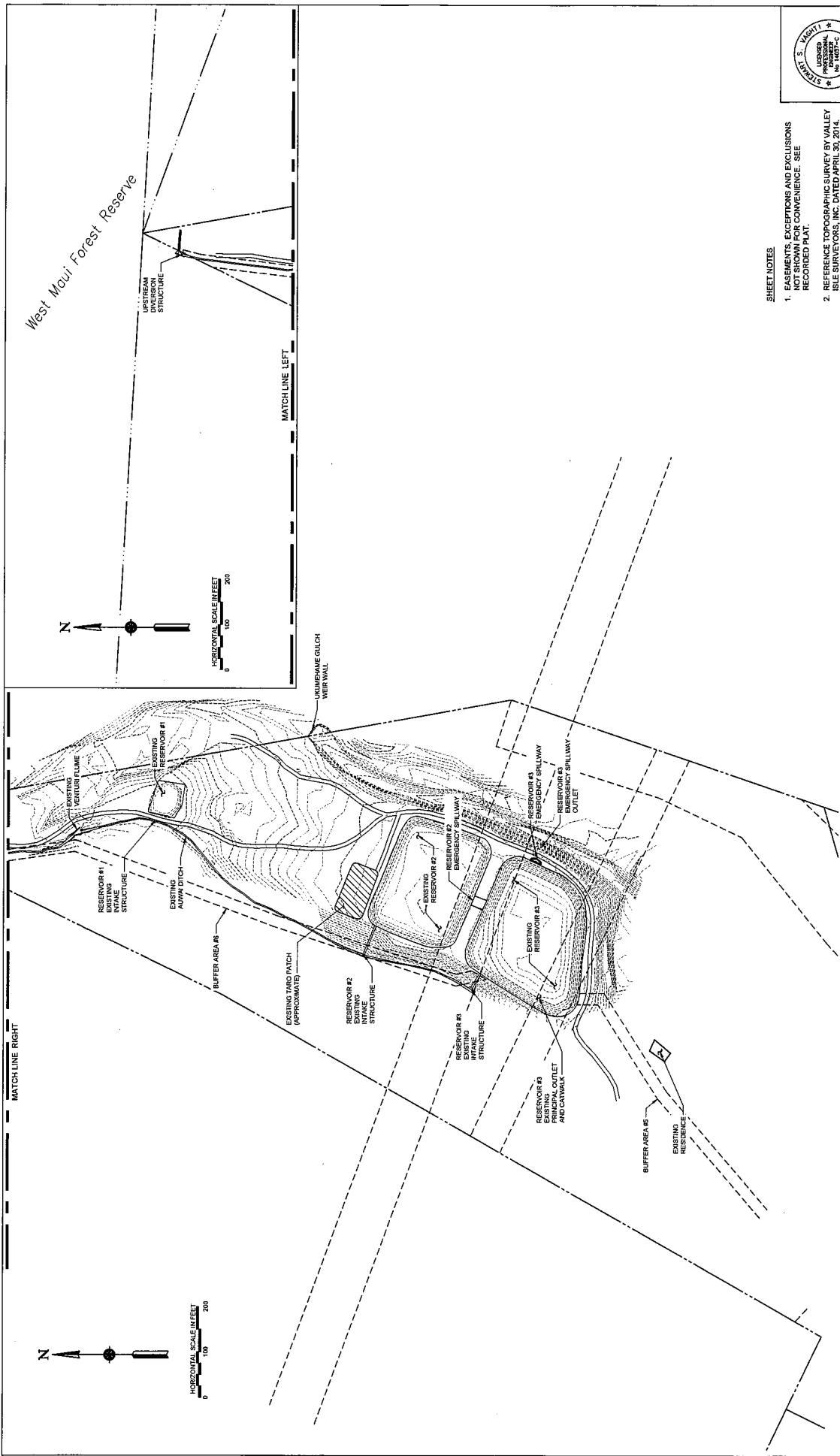
UKUMEHAME, LAHAINA, MAUI, HAWAII  
HAWAII STATE DAM INVENTORY ID: MA-140

OCTOBER 2017  
FINAL SUBMITTAL

SHEET INDEX	
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		JOB NO: 58305 DATE: OCT 2017 SCALE: G-01
UKUMEHAME RESERVOIRS NO. 2 & 3 DAM REMOVAL AND GRADING		COVER
DESIGNED: AJL DRAWN: AJL CHECKED: SSV SCALE: AS NOTED		
800 North Center Avenue, Suite 100A, Phoenix, AZ 85007-1097 Phone: (480) 423-7287 Fax: (480) 423-7289		
DATE: 10/27/17 DESCRIPTION: FOR PERMIT APPROVAL	DATE: 10/27/17	DATE:



**SHEET NOTES**

1. BASEMENTS, EXCEPTIONS AND EXCLUSIONS NOT SHOWN FOR CONVENIENCE. SEE RECORDED PLAT.
2. REFERENCE TOPOGRAPHIC SURVEY BY VALLEY ISLE SURVEYORS, INC. DATED APRIL 30, 2014.

JOB NO: 58305  
 DATE: OCT 2017  
 V-01

UKULIMEHAME RESERVOIRS NO. 2 & 3  
 DAM REMOVAL AND GRADING  
 EXISTING CONDITIONS

DESIGNED: A/J  
 DRAWN: A/J  
 CHECKER: SSV  
 SCALE: AS NOTED



**Gannett Fleming**  
 3400 North Central Avenue, Suite 1900, Phoenix, AZ 85018-1927  
 Phone (602) 206-8877 Fax (602) 206-8816 Web: www.gannett.com

NO.	REVISION	DESCRIPTION	DATE
0	EXP. PERMIT APPROVAL		10/22/2017

STEVEN S. WRIGHT  
 LICENSED PROFESSIONAL ENGINEER  
 LICENSE NO. 15875  
 STATE OF HAWAII  
 SIGNATURE: [Signature]  
 LICENSE EXPIRES: 12/31/2018  
 Copyright 2018

GENERAL NOTES

- 1. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE PLANS, CONTRACT DOCUMENTS AND THE MOST RECENT VERSIONS OF THE COUNTY OF MAUI 'STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION'...

UNDERGROUND UTILITIES NOTES

- 1. CALL HAWAII ONE CALL CENTER AT 1-866-432-7287 FOR INFORMATION REGARDING UNDERGROUND UTILITIES PRIOR TO ANY CONSTRUCTION.

EARTHWORK NOTES

- 1. ALL EARTHWORK SHALL BE PERFORMED IN ACCORDANCE WITH THE COUNTY OF MAUI 'STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION' AND 'STANDARD SPECIFICATIONS FOR PUBLIC WORKS' EXCEPT AS NOTED BELOW.

SUMMARY OF MATERIALS TESTING REQUIREMENTS

Table with 3 columns: TEST METHOD REFERENCE, TEST METHOD DESCRIPTION, TEST FREQUENCY. Includes rows for soil compaction, moisture density, and gradation.

RIP-RAP SPECIFICATIONS

- 1. RIP-RAP SHALL CONSIST OF THE SALVAGED STONE AND CONCRETE RUBBLE FROM THE SITE.

LEGEND



LEGEND

- EXISTING MAJOR CONTOUR
EXISTING MINOR CONTOUR
PROPOSED MAJOR CONTOUR
PROPOSED MINOR CONTOUR
APPROX. CUT DAYLIGHT LINE
APPROX. TOE OF FILL LINE

LEGEND

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EXISTING MINOR CONTOUR
PROPOSED MAJOR CONTOUR
PROPOSED MINOR CONTOUR
APPROX. CUT DAYLIGHT LINE
APPROX. TOE OF FILL LINE

LEGEND

UKIHEHAME RESERVOIRS NO. 2 & 3 DAM REMOVAL AND GRADING. Includes project details, date (OCT 2017), and G-04 specification reference.

GENERAL NOTES

- 1. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE PLANS, CONTRACT DOCUMENTS AND THE MOST RECENT VERSIONS OF THE COUNTY OF MAUI 'STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION'...

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LEGEND

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APPROX. CUT DAYLIGHT LINE
APPROX. TOE OF FILL LINE

LEGEND

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EXISTING MINOR CONTOUR
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PROPOSED MINOR CONTOUR
APPROX. CUT DAYLIGHT LINE
APPROX. TOE OF FILL LINE

LEGEND

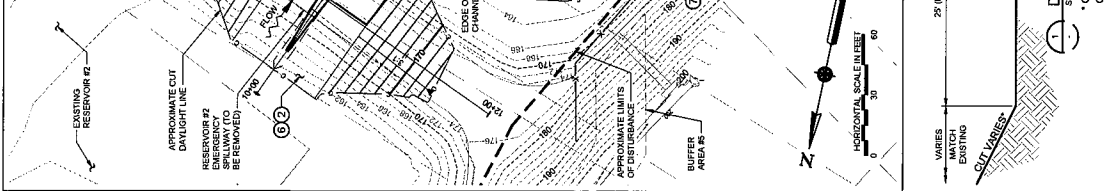
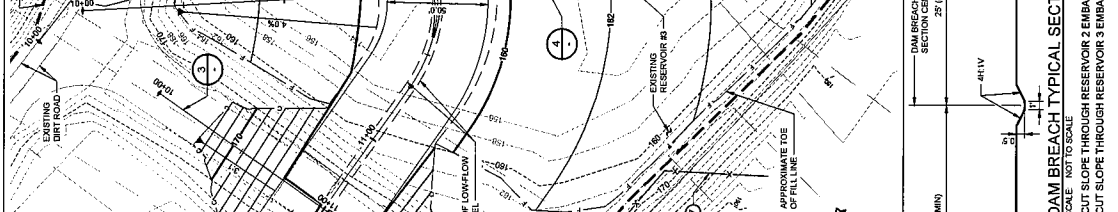
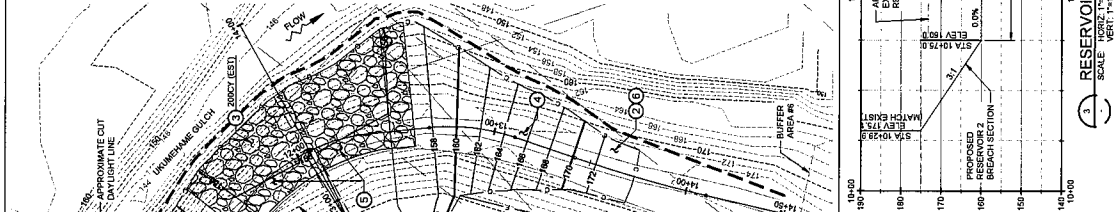
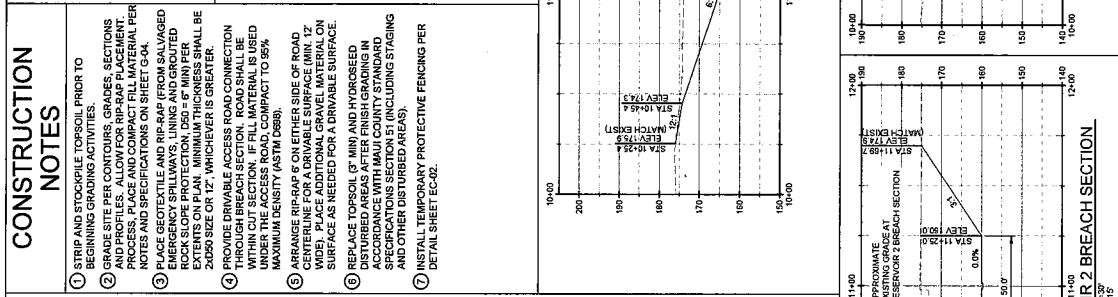
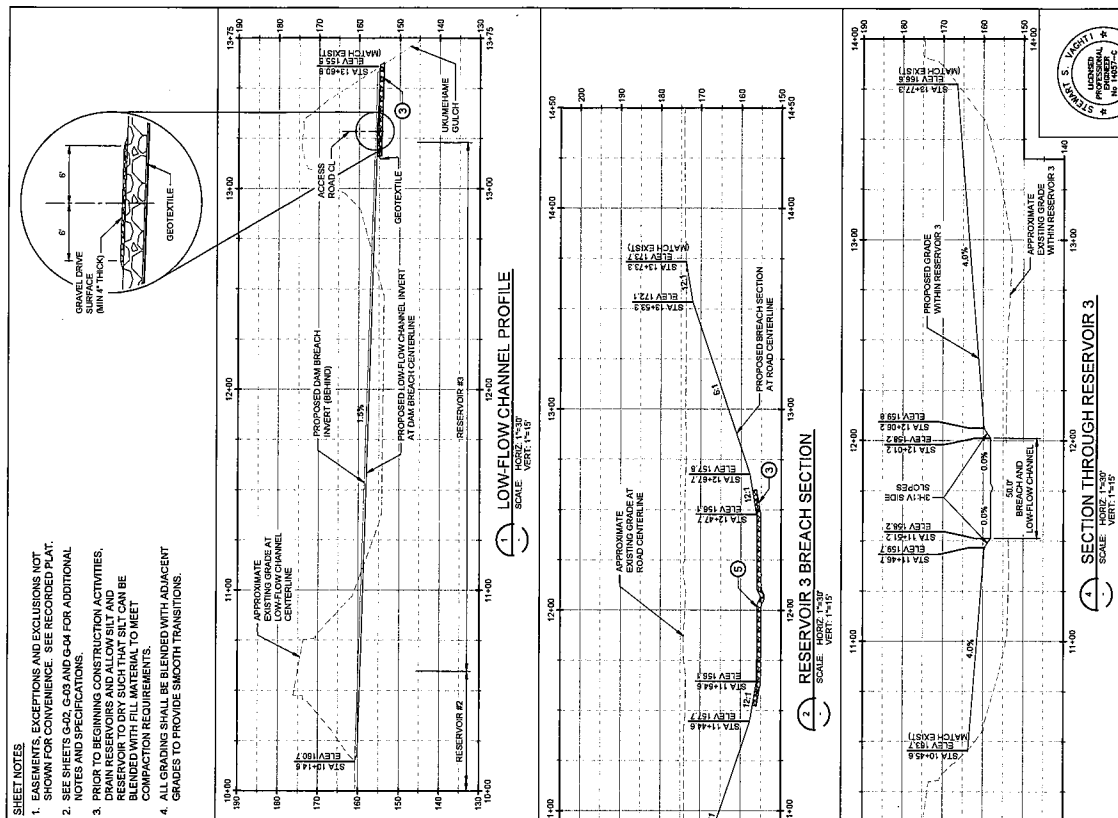
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PROPOSED MINOR CONTOUR
APPROX. CUT DAYLIGHT LINE
APPROX. TOE OF FILL LINE

LEGEND

UKIHEHAME RESERVOIRS NO. 2 & 3 DAM REMOVAL AND GRADING. Includes project details, date (OCT 2017), and G-04 specification reference.

LEGEND

Gannett Fleming logo and contact information: 3000 North Central Avenue, Suite 1000, Phoenix, AZ 85012-1957. Phone: (602) 944-7877. Fax: (602) 944-7870. Website: www.gannett.com



NO.	REVISION	DATE	DESCRIPTION
0	DATE PERMIT APPROVAL	08/22/2017	
	DESIGNED BY	A.J.L.	
	DRAWN BY	A.J.L.	
	CHECKED BY	SSV	
	SCALE	AS NOTED	

**CONSTRUCTION NOTES**

- EASEMENTS, EXCEPTIONS AND EXCLUSIONS NOT SHOWN FOR CONVENIENCE. SEE RECORDED PLAN, NOTES AND SPECIFICATIONS.
- SEE SHEETS G-02, G-03 AND G-04 FOR ADDITIONAL NOTES AND SPECIFICATIONS.
- PRIOR TO BEGINNING CONSTRUCTION ACTIVITIES, VERIFY ALL EXISTING UTILITIES AND RECORD THEM TO THE PLAN. ALL UTILITIES SHALL BE PROTECTED OR DELETED AS NECESSARY TO MEET CONSTRUCTION REQUIREMENTS.
- ALL GRADING SHALL BE BLENDED WITH ADJACENT GRADING TO PROVIDE SMOOTH TRANSITIONS.

**1 STRIP AND STAPLE GEOTEXTILE PRIOR TO BEGINNING CONSTRUCTION ACTIVITIES.**

**2 GRADE SITE PER CONTOURS, GRADES, SECTIONS AND PROFILES. ALLOW FOR RIP-RAP PLACEMENT AND PROCESS. PLACE AND COMPACT FILL MATERIAL PER NOTES AND SPECIFICATIONS ON SHEET G-04.**

**3 PLACE GEOTEXTILE AND RIP-RAP (FROM SALVAGED DAM BREACH) ON EITHER SIDE OF ROAD CENTERLINE FOR A DRIVABLE SURFACE (MIN. 12" WIDE). PLACE ADDITIONAL GRAVEL MATERIAL ON SURFACE AS NEEDED FOR A DRIVABLE SURFACE.**

**4 REPLACE TOPSOIL (2" MIN) AND HYDROSEED ACCORDANCE WITH MAJIC COUNTY STANDARD SPECIFICATIONS SECTION 51 (INCLUDING STAGING AND OTHER DISTURBED AREAS).**

**5 INSTALL TEMPORARY PROTECTIVE FENCING PER DETAIL SHEET EC-02.**

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STATE OF ARIZONA  
REGISTERED PROFESSIONAL ENGINEER  
No. 10001  
S. MIGHT

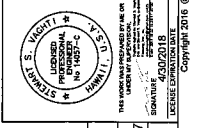
UKLIMEHAME RESERVOIRS NO. 2 & 3  
DAM REMOVAL AND GRADING  
DAM BREACH GRADING,  
PLAN & PROFILE

JOB NO: 58305  
DATE: OCT 2017  
SCALE: C-02

DESIGNED BY: A.J.L.  
DRAWN BY: A.J.L.  
CHECKED BY: SSV  
SCALE: AS NOTED

1-888-423-7877  
1000 N. CENTRAL AVENUE, SUITE 1000, PHOENIX, AZ 85012-1987  
PHONE (602) 262-8777 FAX (602) 262-8118 WWW.GANNETTFLERMING.COM

**Gannett Fleming**



DATE: OCT 2017  
 JOB NO: 58305  
 OVERALL SITE GRADING AND HORIZONTAL CONTROL PLAN  
 C-01

DESIGNED: ALL  
 DRAWN: ALL  
 CHECKER: SSV  
 SCALE: AS NOTED

**Gannett Fleming**  
 5400 North Central Avenue, Suite 1000, Phoenix, AZ 85018-1087  
 Phone: (602) 998-0777 Fax: (602) 998-0795 Email: www.gfl.com

NO.	DATE	DESCRIPTION
1	08/22/17	FOR PERMIT APPROVAL

**SHEET NOTES**  
 1. EASEMENTS, EXCEPTIONS AND EXCLUSIONS NOT SHOWN FOR CONVENIENCE. SEE RECORDED PLAN.

LINE #	LENGTH	DIRECTION	START POINT	END POINT
L1	131.98	S82°09'45.19"W	N: -3114.95 E: 10411.26	N: -3226.30 E: 10369.35
L2	164.29	S67°46'13.29"E	N: -3314.81 E: 10371.55	N: -3454.30 E: 10481.96
L3	185.63	S26°16'28.69"W	N: -3529.21 E: 10544.17	N: -3386.72 E: 10419.52
L4	29.77	S72°07'03.80"W	N: -3415.48 E: 10468.81	N: -3415.48 E: 10359.46
L5	31.56	N83°06'23.89"W	N: -3402.79 E: 10364.81	N: -3402.79 E: 10351.02
L6	39.83	N87°47'38.89"W	N: -3419.19 E: 10247.65	N: -3419.19 E: 10207.83

CURVE #	RADIUS	LENGTH	CHORD DIRECTION	START POINT	END POINT
C1	75.00	83.73	S83°48'14.29"E	N: -3236.30 E: 10359.35	N: -3314.81 E: 10371.55
C2	90.00	72.01	S89°11'48.29"W	N: -3386.72 E: 10419.52	N: -3414.53 E: 10419.52
C3	100.00	43.18	S84°29'15.42"W	N: -3403.00 E: 10369.46	N: -3402.79 E: 10359.46
C4	700.00	66.03	N85°55'35.29"W	N: -3424.02 E: 10315.48	N: -3419.19 E: 10247.65

