

City of Kuna P.O. Box 13 Kuna, Idaho 83634 Phone: (208) 922-5274 Fax: (208) 922-5989 www.Kunacity.id.gov

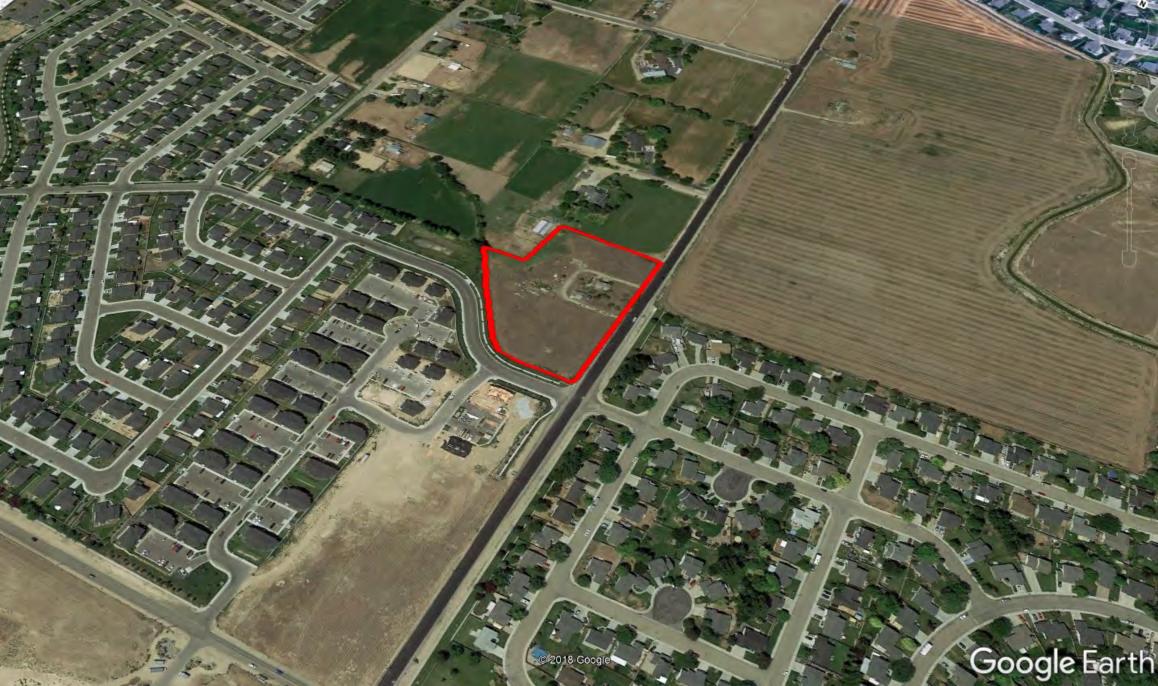
# **Agency Transmittal**

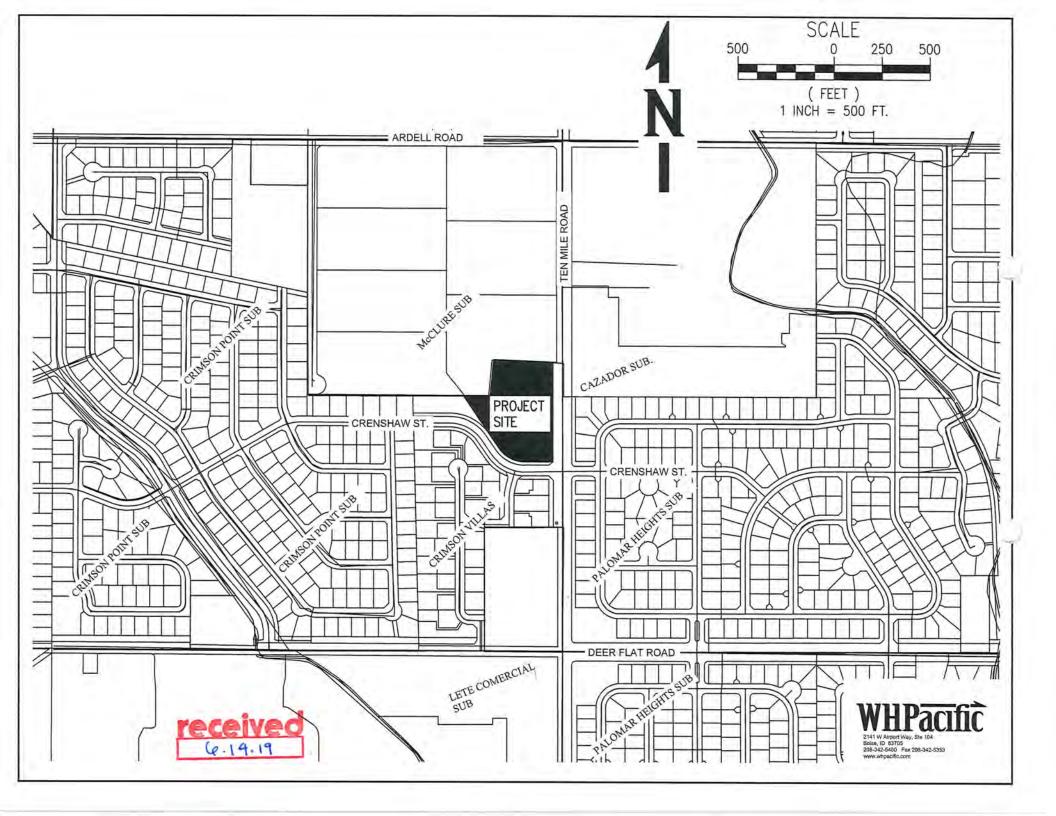
July 17, 2019

Notice is hereby given by the City of Kuna the following actions are under consideration:

FILE NUMBER:	19-03-ZC, (Rezone) & 19-05-S (Pre Plat) – Athleta Subdivision.
PROJECT DESCRIPTION	Applicant requests rezoning approximately 4.11 ac. in Kuna from C-1 (Neighborhood Commercial) to R-20 (High Density). Applicant also requests preliminary plat approval in order to subdivide the parcel into 63 total lots. The proposed gross density is 13.90 DUA, and the proposed net density is approximately 16.76 DUA. The request conforms to the Comp Plan Map.
SITE LOCATION	The NWC Ten Mile Road and Crenshaw Street, Kuna, Idaho 83634.
REPRESENTATIVE	Jane Suggs - WH Pacific 2141 W. Airport Way, Ste. 104 Boise, ID 83705 208.275.8729 jsuggs@whpacific.com
SCHEDULED HEARING DATE	Tuesday, <b>August 27, 2019.</b> 6:00 P.M.
STAFF CONTACT	Troy Behunin  Tbehunin@Kunald.Gov  Phone: 922.5274  Fax: 922.5989
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We have enclosed information to assist you with your consideration and response. No response within 15 business days will indicate you have no objection or comments for this project. We would appreciate any information as to how this action would affect the service(s) your agency provides. The hearing is scheduled to begin at 6:00 p.m. or as soon as it may be heard. Kuna City Hall is located at 751 W. 4th Street, Kuna, ID 83634. Please contact staff with questions. If your agency needs different plans or paper copies to review, notify our office know and we will send them. Please notify our office who future packets should be sent to, included their email as well. If your agency needs additional time for review, please let our office know ASAP.







June 13, 2019

Ms. Wendy Howell, Director Mr. Troy Behunin, Senior Planner Kuna Planning and Zoning Department 751 W. 4<sup>th</sup> Street Kuna, Idaho 83634

Subject:

Athleta Subdivision, also known as Mulberry Place and Olivia's Garden

Applications for rezone and preliminary plat

Dear Ms. Howell and Mr. Behunin:

On behalf of our client, Epic Development Idaho, LLC, we are pleased to submit applications for rezone and preliminary plat for Athleta Subdivision. The 4.1-acre site is located at 2003 N. Ten Mile Road, at the northwest corner of Ten Mile Road and W. Crenshaw Street (2N, 1W, 15) and is currently within the Kuna City limits with a zoning designation of C-1. The property has been used as a single-family residence with outbuildings and is presently unoccupied.

The Crimson Point Villas, a 4-plex development, is currently under construction south of the property, across Crenshaw Street. To the east, across Ten Mile Road, are the Palomar Heights Subdivision and the new Cazador Subdivision. To the north is the McClure Subdivision with 7 larger lots in Ada County and to the west is the Crimson Point Subdivision. This area of Kuna already boasts a good mix of home and lot sizes and Athleta homes will add to that mix.

Athleta is providing a new housing lifestyle in Kuna. The homes are single family attached and have minimal yard space to maintain, which is very attractive to first time home buyers and down-sizers. As shown on the site/landscape plan and plat, each of the 57 homes will be on its own lot and will be for sale to individuals/families. Athleta Subdivision is an opportunity to purchase a reasonably priced home, build equity and create wealth.

Each home will have a 2-3 bedrooms, 2 baths and a 2-car garage. There will also be a 20' x 20' driveway in front of the garage that will provide 2 guest parking spaces. The homes will face either Ten Mile Road, Crenshaw Street or common open space. The garages are on the rear of the homes and accessed by private service drives.

Athleta residents can gather at the central park that includes a tot lot and picnic pavilion or they can walk the pathway loop around the entire neighborhood. Residents and their furry friends will appreciate the dog park.

#### Design Review

The Design Review for Athleta Subdivision (previously known a Mulberry Place) was approved by the Planning and Zoning Commission, acting as the Design Review Committee, on April 9, 2019. The approval was conditioned on applications for preliminary plat and rezone of the property.



#### Rezone

As noted in the Design Review hearing, this property was originally planned for 16 four-plex units, for a total of 64 units for rent. The C-1 zone on the property allowed multi-family development, including the four-plexes, as a permitted use, subject to design review. The development team, led by Epic Development and NeuDesign Architects, worked with the City planning staff to plan and design a different and much improved housing opportunity for Kuna residents.

During the months of project planning and discussions with the staff, the Kuna zoning ordinance was revised. City Council approved changes to Kuna's zoning ordinance on February 5, 2019. The revisions removed the allowance for multifamily in the C-1 zone, including the allowance for townhomes (single family attached) and condominiums. Due to those changes we now request that the property be rezoned to allow the attractive single family attached homes that were approved by the Design Review Committee.

There is only one current zoning designation in Kuna's code that meets the dimensional standards for these attached single-family homes. The R-20 zone allows a lot size of 1300 sf – 2200 sf. The minimum lot size in Athleta Subdivision is 1453 sf, and the average lot size is . The recently revised zoning ordinance now allows for zero side yard setbacks in R-20 zone with the City Engineer's approval; allowing attached housing. We expect and welcome a condition that will limit the number of homes to 57.

### **Open Space and Buffers**

As noted previously, Athleta features open space that is usable to all residents. Lot 1, Block 1 is the open space area of 16,860 sf (0.39 acres) that surrounds the north, west and south sides of the of the neighborhood and includes the sidewalk that encircles the neighborhood and provides front door access to the homes. It is a great walking path of approximately 1/3 mile. In the center of the neighborhood is the gathering spot of 14,825 sf (that includes a tot lot, picnic pavilion and guest parking spots. And a dog park of 6455 sf for our furry friends.

In addition, a 30' buffer along Ten Mile Road is approximately 15,000 sf and provides ample room for landscaping and internal sidewalk access to Athleta homes.

### Service Drives and Utilities

A 22'-wide private service drive with ribbon curb (Lot 13, Block 1) provides vehicular access to the rear loaded garages. The north service drive that intersects Ten Mile Road will provide access to Athleta homes. The southern service drive onto Ten Mile Road is for emergency vehicles only and the access will be controlled with bollards. The service drive meets the requirements for a fire apparatus access and will be clearly signed for no parking to maintain clear access for residents, emergency vehicles and trash collection.

Potable water and sewer will be extended throughout the development along the private service drive as shown on the preliminary plat. Pressurized irrigation will be provided to each buildable lot and to all open space lots.



Trash service will be individual pick up for single family homes with access from a maintained service drive. Lots 9-12, 18-20 and 34-36 will roll their trash bins to the edge of the service drive for pick up.

### **Neighborhood Meeting**

A neighborhood meeting was held on Tuesday, April 23 at 6 pm at the Kuna Public Library. The sign-up sheet is included in our application package. Neighbors were concerned with rentals, the animals/farming on the properties to the north, maintaining irrigation water during and after construction, and the location of the homes along the north and west sides of Athleta. We also discussed the property currently being developed across Ten Mile Road and the future roundabout on Ten Mile Road.

Athleta Subdivision provides a special housing opportunity in Kuna and builds a community with shared open spaces and lifestyle. Our appreciation is extended to the staff as we seek to create a community of unique homes in a new home community and thanks also to the Design Review Committee's approval of these attractive homes. We look forward to working with staff on the next steps of rezoning and subdividing the property.

Sincerely,

Jane Suggs

ce: Jarron Langston, Epic Development Idaho, LLC



### For Office Use Only 19-05-5 File Number (s) 19-03-ZC Athleta sub Project name (mulbery Place) Date Received Date Accepted/ Complete Cross Reference Files Commission Hearing Date City Council Hearing Date

## Commission & Council Review Application

Note: Engineering fees shall be paid by the applicant if required.

\*Please submit the appropriate checklist (s) with application Type of Review (check all that apply): ☐ Annexation ☐ Appeal ☐ Comprehensive Plan Amendment ☐ Design Review □ Development Agreement ☐ Final Planned Unit Development ☐ Final Plat □ Lot Line Adjustment □ Lot Split ☐ Planned Unit Development ☑ Preliminary Plat ✓ Rezone ☐ Special Use ☐ Temporary Business ☐ Vacation □ Variance

## Contact/Applicant Information

Owners of Record: Epic Development Idaho LLC	Phone Number: 208-724-6239
Address: 11785 Valley Sage Drive	E-Mail: _iarronlangston@gmail.com
City, State, Zip: Sparks, NV 89441	Fax #:
Applicant (Developer): Epic Development Idaho LLC	Phone Number: 208-724-6239
Address: 11785 Valley Sage Drive	E-Mail: _jarronlangston@gmail.com
City, State, Zip: Sparks, NV 89441	Fax #:
Engineer/Representative: Jane Suggs / WHPacific	Phone Number: 208-275-8729
Address: 2141 W. Airport Way, Suite 104,	E-Mail: jsuggs@whpacific.com
City, State, Zip: Boise, ID 83705	Fax #:

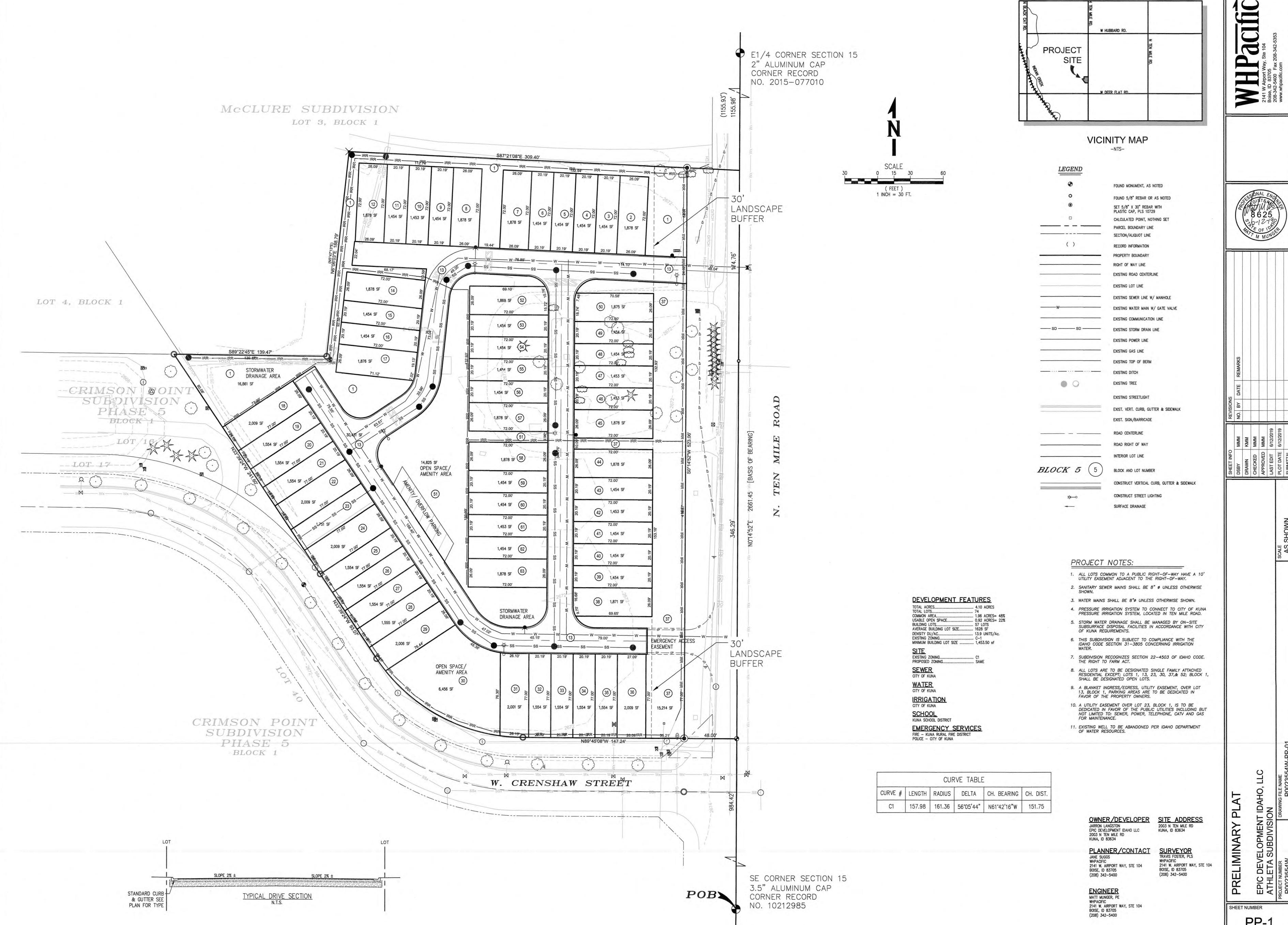
### **Subject Property Information**

Site Address: 2003 N. Ten Mile Road	
Site Location (Cross Streets): Ten Mile Road and Cre	enshaw Street
Parcel Number (s): S1315449223	an office and Rightnago
Section, Township, Range: 15, 2N, 1W,	
Property size : 4.11 acres	
Current land use: single family home and outbuildings - unoccupied	Proposed land use: single family attached homes
Current zoning district: C-1	Proposed zoning district: R-20



# **Project Description** Project / subdivision name: Athleta Subdivision (aka, Mulberry Place) General description of proposed project / request: \_subdivide the property for 57 single family attached homes plus subdivision amenities; rezone to R-20 to meet lot size requirements in Kuna code Type of use proposed (check all that apply): ☑ Residential \_\_\_\_\_ Commercial \_\_\_\_\_ Office ☐ Industrial ———— Other \_\_\_\_\_ Amenities provided with this development (if applicable): tot lot, picnic pavillion, dog park, Residential Project Summary (if applicable) ☑ Yes ☐ No Are there existing buildings? Please describe the existing buildings: single family home and outbuildings Any existing buildings to remain? ☐ Yes ☑ No Number of residential units: 57 Number of building lots: 57 Number of common and/or other lots: 6 Type of dwellings proposed: Single-Family\_\_\_\_\_ ☑ Townhouses \_\_\_\_\_ ☐ Duplexes \_\_\_\_ Minimum Square footage of structure (s): Gross density (DU/acre-total property): 13.9 Net density (DU/acre-excluding roads):16.76 Percentage of open space provided: 30.7% Acreage of open space: 1.26 Type of open space provided (i.e. landscaping, public, common, etc.): common, landscaping, Non-Residential Project Summary (if applicable) Number of building lots: \_\_\_\_\_\_ Other lots: \_\_\_\_\_ Gross floor area square footage: \_\_\_\_\_ Existing (if applicable):\_\_\_\_\_ Hours of operation (days & hours): \_\_\_\_\_\_ Building height: \_\_\_\_\_ Total number of employees: \_\_\_\_\_ Max. number of employees at one time: \_\_\_\_ Number and ages of students/children:\_\_\_\_\_\_ Seating capacity:\_\_\_\_\_ Fencing type, size & location (proposed or existing to remain):

a. Handicapped spaces: \_\_\_\_\_\_ Dimensions: \_\_\_\_
b. Total Parking spaces: \_\_\_\_\_ Dimensions: \_\_\_ Proposed Parking: Proposed Lighting: \_\_\_\_\_\_ Proposed Landscaping (berms, buffers, entrances, parking areas, common areas, etc.):\_\_\_\_\_\_ Applicant's Signature: Jane B. Suggs Date: June 13, 2019



TREES	SCHEDULE  BOTANICAL NAME / COMMON NAME	CONT	CAL	SIZE	QTY	REMARKS
	Cercis canadensis / Eastern Redbud	В&В	2"		6	30'h x 25'w Class I
Ŏ	EXISTING TREE	25 gal			14	
	Liquidambar styraciflua 'Worplesdon' / Worplesdon Sweet Gum	B & B	2'		5	40'h x 25'w Class II
	Liriodendron tulipifera 'Emerald City' TM / Emerald City Tulip Tree	B&B	2"		22	50'h x 25'w Class II
	Pinus flexilis 'Vanderwolf's Pyramid' / Vanderwolf's Pyramid Pine	В&В		6'-7' H	11	25'h x 12'w
0	Pinus nigra / Austrian Black Pine	25 gal			3	40'h x 20'w
0	Quercus nuttallii 'MonPowe' / Charisma Nuttall Oak	B&B	2"		2	60'h x 50' Class II
HRUBS	BOTANICAL NAME / COMMON NAME	CONT			QTY	REMARKS
0	Calamagrostis x acutiflora 'Karl Foerster' / Feather Reed Grass	1 gal			144	5'h x 3'w
<b>①</b>	Forsythia x intermedia `Kolgold` / Magical Gold Forsythia	5 gal			31	5'h x 4'w
0	Helictotrichon sempervirens 'Blue Oats' / Blue Oat Grass	1 gal			38	3'h x 3'w
0	Lavandula angustifolia "Hidcote Blue" / Hidcote Blue Lavender	1 gal			135	3'h x 3'w
0	Penniseturn alopecuroides 'Red Head' / Red Head Fountain Grass	1 gal			188	3'h x 3'w
0	Phlox x 'Opening Act Pink-a-Dot' / Opening Act Pink-a-Dot Phlox	1 gal			21	24°h x 30°w
<u></u>	Physocarpus opulifolius 'Little Devil' TM / Dwarf Ninebark	5 gal			33	4'h x 4'w
	Pinus strobus 'Blue Shag' / Blue Shag White Pine	5 gal	+		78	3'h x 4'w

#### LANDSCAPE MATERIALS LEGEND:

SOD LAWN

LANDSCAPE MULCH



EXISTING LANDSCAPE TO REMAIN -RETAIN AND PROTECT

PROPOSED 6' WHITE VINYL FENCE





ne<mark>U</mark>design

725 E 2nd St Meridian, ID 83642



THIS DOCUMENT IS THE PROPERTY OF NEUDESIGN ARCHITECTURE, LLC AND IS NOT TO BE DUPLICATED WITHOUT WRITTEN AUTHORIZATION.

JARRON LANGSTON
JARRON LANGSTON
MULBERRY PLACE
4 HOME TOWNHOME
kura, Idaho

PROFESSIONAL SEAL

NO. DESCRIPTION

LANDSCAPE PLAN

L100

OB NUMBER

#### PARCEL DESCRIPTION



Date: June 10, 2019

Project: Epic Development Idaho, LLC - Zoning Legal

A parcel of land being a portion of the SE1/4 of Section 15, Township 2 North, Range 1 West, Boise Meridian, Ada County, Idaho, more particularly described as follows:

COMMENCING at the southeast corner of said Section 15, monumented by a 3.5" aluminum cap (Corner Record No. 10212985), from which the E1/4 corner of said Section 15, monumented by a 2" aluminum cap (Corner Record No. 2015-077010), bears North 00°14'52" East, a distance of 2661.45 feet;

Thence North 00°14'52" East, coincident with the east line of said Section 15, a distance of 984.42 feet to the **POINT OF BEGINNING** 

Thence North 89°45'08" West, perpendicular to said east line, a distance of 195.25 feet to the beginning of a tangent curve to the right;

Thence northwesterly along the arc of said curve the right, an arc distance of 157.98 feet, said curve having a radius of 161.36 feet, a central angle of 56°05'44" and a chord bearing of North 61°42'16" West a distance of 151.75 feet;

Thence North 33°39'24" West, a distance of 334.67 feet to the southerly line of the Amended Plat of McClure Subdivision, Book 58, Pages 5637-5638, Ada County Records;

Thence South 89°22'45" East, coincident with said southerly line, a distance of 139.47 feet;

Thence North 06°06'03" East, coincident with said southerly line, a distance of 188.79 feet;

Thence South 87°21'08" East, coincident with said southerly line, a distance of 309.40 feet to said westerly right of way line;

Thence South 00°14'52" West, coincident with said westerly right of way line, a distance of 523.06 feet to the **POINT OF BEGINNING**.

The above described parcel contains 178,750 square feet or 4.104 acres, more or less.

Together with and subject to covenants, easements, and restrictions of record.

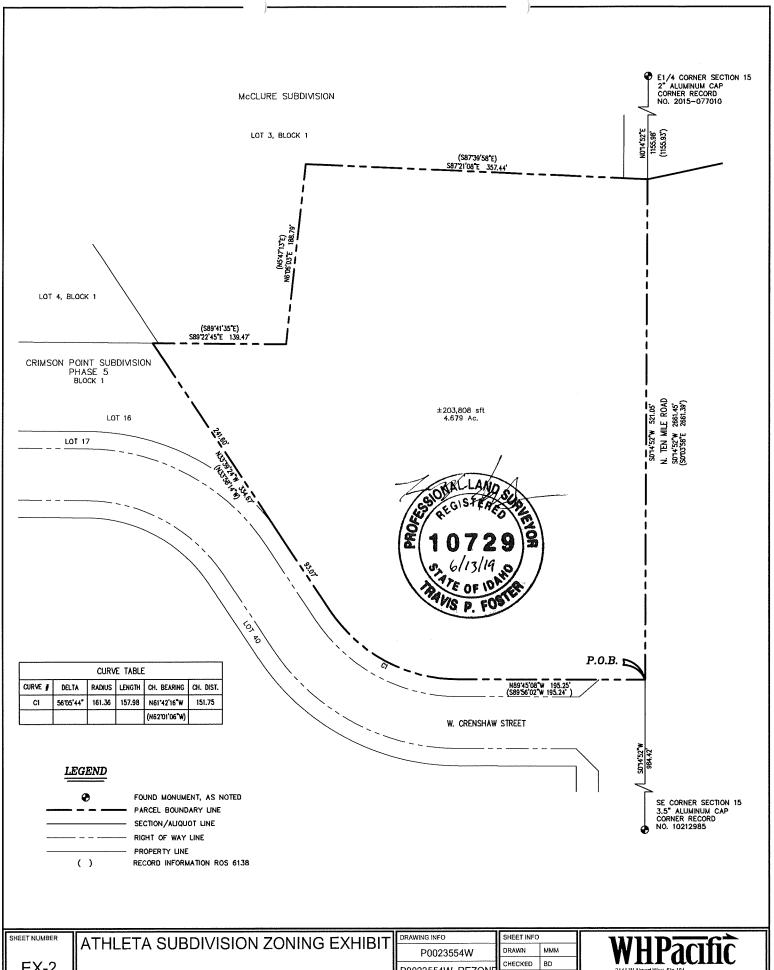
The basis of bearings for this parcel is North  $00^{\circ}14'52$ " East between the southeast corner and the E1/4 corner of said Section 15.

Travis P. Foster, P.L.S. End of Description



License No. 10729





EX-2

EPIC DEVELOPMENT IDAHO, LLC ATHLETA SUBDIVISION

DRAWING INFO	SHEET INFO	
P0023554W	DRAWN	ммм
DOGGGE AND DEZONE	CHECKED	BD
P0023554W_REZONE	LAST EDIT	6/12/2019
AS NOTED	PLOT DATE	6/12/2019

2141 W Airport Way, Ste 104 Bolse, ID 83705 208-342-5400 Fax 208-342-5353 www.whpacific.com

PARCEL DESCRIPTION

Date: June 10, 2019



Project: Epic Development Idaho, LLC - Athleta Subdivision

A parcel of land being a portion of the SE1/4 of Section 15, Township 2 North, Range 1 West, Boise Meridian, Ada County, Idaho, more particularly described as follows:

COMMENCING at the southeast corner of said Section 15, monumented by a 3.5" aluminum cap (Corner Record No. 10212985), from which the E1/4 corner of said Section 15, monumented by a 2" aluminum cap (Corner Record No. 2015-077010), bears North 00°14'52" East, a distance of 2661.45 feet;

Thence North 00°14'52" East, coincident with the east line of said Section 15, a distance of 984.42 feet;

Thence North 89°45'08" West, perpendicular to said east line, a distance of 48.00 feet to the westerly right of way line of North Ten Mile Road and the **POINT OF BEGINNING**;

Thence continuing North 89°45'08" West, perpendicular to said east line, a distance of 147.25 feet to the beginning of a tangent curve to the right;

Thence northwesterly along the arc of said curve the right, an arc distance of 157.98 feet, said curve having a radius of 161.36 feet, a central angle of 56°05'44" and a chord bearing of North 61°42'16" West a distance of 151.75 feet;

Thence North 33°39'24" West, a distance of 334.67 feet to the southerly line of the Amended Plat of McClure Subdivision, Book 58, Pages 5637-5638, Ada County Records;

Thence South 89°22'45" East, coincident with said southerly line, a distance of 139.47 feet;

Thence North 06°06'03" East, coincident with said southerly line, a distance of 188.79 feet;

Thence South 87°21'08" East, coincident with said southerly line, a distance of 309.40 feet to said westerly right of way line;

Thence South 00°14'52" West, coincident with said westerly right of way line, a distance of 523.06 feet to the **POINT OF BEGINNING**.

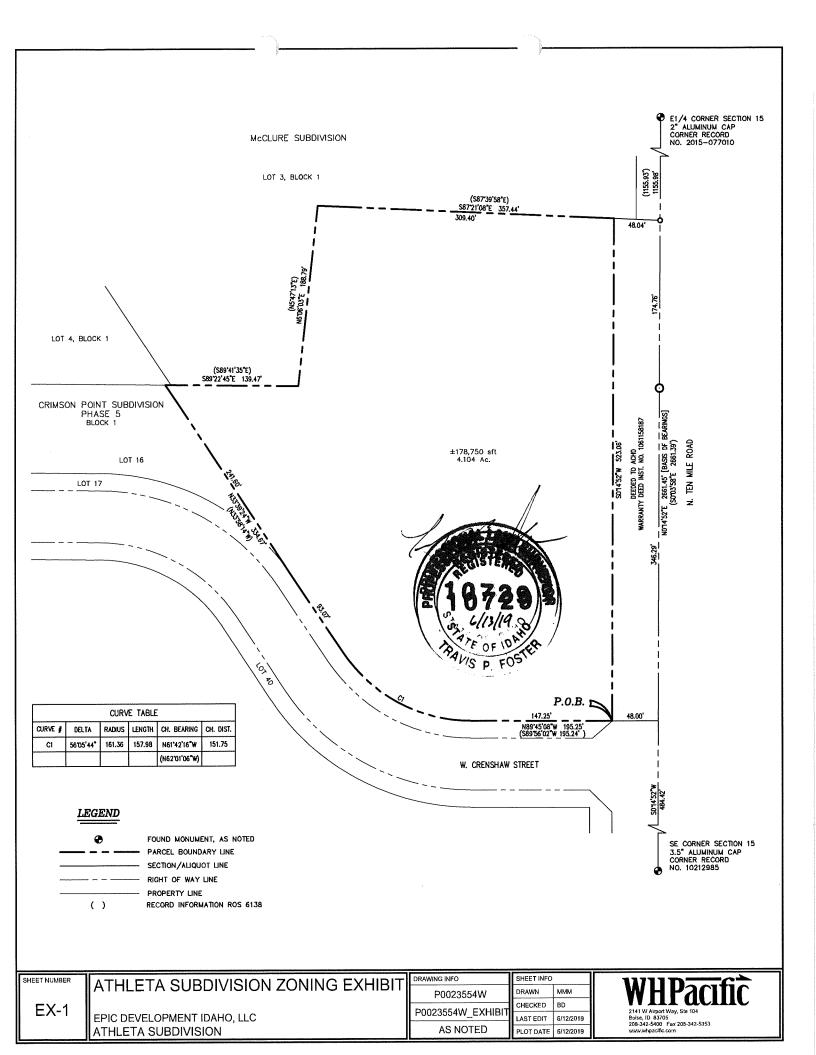
The above described parcel contains 178,750 square feet or 4.104 acres, more or less.

Together with and subject to covenants, easements, and restrictions of record.

The basis of bearings for this parcel is North 00°14'52" East between the southeast corner and the E1/4 corner of said Section 15.

Travis P. Foster, P.L.S. End of Description

License No. 10729



### Jane Suggs

From:

Sub Name Mail <subnamemail@adacounty.id.gov>

Sent:

Thursday, April 25, 2019 4:30 PM

To:

Jane Suggs

Cc:

kent brown; Travis Foster

Subject:

Athleta Subdivision / PKA Olivias Garden Sub Name Reservation

April 24, 2019

Kent Brown, Kent Brown Planning Services Travis Foster, WHPacific Jane Suggs, WHPacific

RE: Subdivision Name Reservation: ATHLETA SUBDIVISION (PKA Olivias Garden Sub)

The Subdivision Name Olivia's Garden Subdivision was previously reserved for parcel S1315449223 on 1/26/2018 by Kent Brown of Kent Brown Planning Services, and at your request, I will replace and reserve the name **Athleta Subdivision** for your project on this parcel. I can honor this reservation only as long as your project is in the approval process. Final approval can only take place when the final plat is recorded.

This reservation is available for the project as long as it is in the approval process unless the project is terminated by the client, the jurisdiction or the conditions of approval have not been met, in which case the name can be re-used by someone else.

Sincerely,



Jerry L. Hastings, PLS 5359
County Surveyor
Deputy Clerk Recorder
Ada County Development Services
200 W. Front St., Boise, ID 83702
(208) 287-7912 office
(208) 287-7909 fax
E-mail: jhastings@adacounty.id.gov

From: Jane Suggs [mailto:JSuggs@whpacific.com]

Sent: Monday, April 22, 2019 4:42 PM

To: Sub Name Mail

Cc: Jarron Langston; Cara Duskey; Matt Munger

Subject: Athleta Subdivision in Kuna - new sub name requests

Hi Subnamemail,

I'd like to reserve the name Athleta Place Subdivision for a property located in Kuna at 2003 N. Ten Mile Road (2N, 1W, Section 15). The property is located in the northwest corner of Ten Mile Road and Crenshaw Street.

The parcel number is: S1315449223

The owner/developer is: Epic Development Idaho LLC

The surveyor is: Travis Foster, WHPacific

Let me know if you need additional information.

Thanks, Jane





Justin Hubble 1214 North Tasavol Avenue Kuna, Idaho 83634 March 6, 2017 Page 1 of 14 File 17072-A

Re:

Geotechnical Recommendation Report

2003 North Ten Mile Road

Kuna, Idaho

#### Justin:

As per your authorization, on February 28, 2017, SITE Consulting, LLC, (SITE), personnel logged and sampled three test pits on the referenced property. The test pits were excavated in a vacant field at 2003 North Ten Mile in Kuna, Idaho. The property is north of West Crenshaw Street and west of North Ten Mile Road. A tax parcel number of S1315449223 was located for the property on the Ada County Assessor's website. The site indicates the property includes 4.11 acres and is in sections 15, T2N, R1E.

Subsurface conditions were similar in the three test pits. In general, the site surface is a shallow non-plastic sandy silt or silty sand. This layer contains a four to six inch rootzone and is typically 1.0 to 1.5 feet thick. Tan, dry to moist, cemented, silts are then present and extend to three to four feet below the surface. At this depth, a very rigid and structural hardpan was encountered. This layer could not be penetrated during our first field effort with a large rubber-tire Case backhoe. This layer caused a return trip with a large track mounted excavator. The excavator took, over an hour to penetrate the hardpan layer that is 1.5 to 2.0 feet thick in each of the test pit locations. Either silty sand or sandy silt was encountered below the hardpan layer. This layer extends to the basalt bedrock, which was encountered at 13.0 feet in the south and west test pits. The north test pit was extended to 15.0 feet, the maximum reach of the excavator, and bedrock was not encountered. The lowest foot of silt / sand layer directly above the bedrock was cemented in the south test pit. Groundwater was not encountered in any of the test pits.



Well logs for nearby properties to the northwest (McClure Lane), southwest (Deer Flat Road) and north (Ten Mile Road), that surround the subject property, were selected and are included in the appendix. These well logs indicate the groundwater is 75 to 96 feet below the surface. It is noted that that the bedrock was encountered in three of the four well logs and is reported to be approximately ten feet deep and is 42 to 60 feet thick.

The following recommendations are based upon the proposed construction, observed conditions, and reported laboratory test results.

- Stripping of organic material for building pads and pavements will require only minor excavation; 2-4" of grubbing can be anticipated to completely remove all organic materials. This is to be adjusted as needed in the field at the time of construction.
   Deeper removal depths should be anticipated near ditches and where large bushes and trees are present.
- The surface soil is either silty sand or sandy silt with non-plastic fines and therefore can be used as structural fill within building pads. The use of heavily cemented silts or fractured hardpan as structural fill is not allowed.
- After grubbing and clearing, the building pad and any area that will support future pavements, driveways, sidewalks, etc., should be proof-rolled to confirm stability prior to the placement of structural fill.
- It should be anticipated that surface soil will rut or deflect severely if wet and then loaded with rubber tire equipment. Wet or deflecting areas are to be over-excavated and repaired with structural fill at the time of construction.



- After demolition of the four-onsite building structures, it should be confirmed by inspection that all foundation concrete and slab on grade concrete has been removed.
- Any well or septic tank encountered are to be properly abandoned in accordance with the last IDWR and IDEQ requirements.
- Each lift of structural fill used to backfill excavations left after demolition or to elevate building pads or pavement areas is to be compacted to a minimum of 95% of the maximum dry density as determined by ASTM D698, "Standard Proctor".
- Inplace testing to confirm proper compaction is required. One test each lift, (minimum of three), for every 5000 square feet or three tests per building pad are recommended.
- The upper one foot of structural fill used to repair over excavations or to elevate the building pad, support slab on grade concrete, foundations, or other site concrete, and beneath future pavements should meet the "Sub Base" specifications of the ISPWC Specifications.
- A design bearing capacity of 2000 psf is appropriate for this site provided foundations bear on inspected and approved native soils or upon structural fill extending to approved native soils. It is anticipated that foundations will be constructed atop the cemented silt.
- Inspection after excavation of foundation trenches is to confirm removal of all
  organic materials and undocumented or non-structural fill. Proof rolling and / or
  compaction testing may be required at that time based upon observed conditions.



- Compacted native soil and structural fill must pass both testing and inspection requirements. Deflecting and / or excessively wet soils fail regardless of compaction test results.
- Unacceptable soils are to be removed to firm bearing or a maximum depth of 1.5'
  and replaced with structural fill. Over excavation of wet or soft areas must extend
  laterally outside foundations a distance equal to the depth of fill.
- Based upon anticipated traffic loads, it is recommended that driveway and entrance areas consist of the following section.

Structural	Recommended
Layer	Thickness
НМА	3.0"
Base Course	4.0"
Sub Base	10.0"

This section can be reduced to 2.5" / 4.0" /10.0" in parking areas that limit access by large trucks. HMA, base, and subbase used in pavement construction are to meet the materials quality and placement requirements of ISPWC.

 Based upon intended use, the following slab on grade floors sections are recommended for inside the building structures:

Structural	Living	Carport / Garage
Layer	Space	Floors
PCC w/ fiber mesh	4.0"	5.0"
Base Course	4.0"	6.0"
Subgrade	Compacted	and Inspected

Exterior flatwork, including sidewalks, patios, stoops, driveways, etc. are to be five
inches thick and placed atop a minimum of four inches of granular fill. Organic
material, excessively wet soils and any encountered clay soil are to be removed
from beneath flatwork and replaced with at least 10" of granular fill.



- Stormwater disposal can best be accomplished with infiltration trenches or surface detention basins or swales. Either system must extend to below the structural hardpan layer or at least seven feet deep.
- Based upon our experiences and test results from the adjacent Crimson Point Development, SITE recommends a design percolation rate of P=3.0 inches / hour for facilities that extend to the native silty sands below the structural hardpan. This value may be improved by drilling and blasting the bedrock. If blasting occurs, it may allow for a design perc rate of P=8 in / hr. Percolation testing after blasting is recommended to confirm successful fracturing of the bedrock formation.
- Testing and inspection at the time of construction is critical to successful completion
  of this and all construction projects. Recommendations herein for specific testing
  and inspection are intended to insure acceptable completion of this project.

We appreciate this opportunity to be of service. When appropriate, we would like to discuss continuing our role as geotechnical consultant during construction. Please contact our office if additional information or services are required.

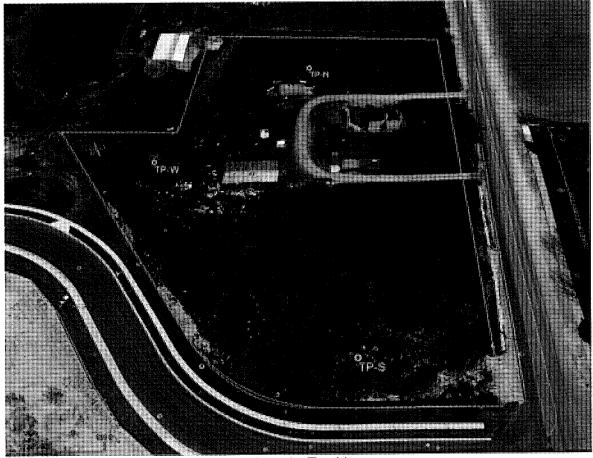
Respectfully submitted, Bob J. Arnold, PE SITE Consulting, LLC



**APPENDIX FOLLOWS** 



# **AERIAL PHOTO**



(Google Earth) Test Pit Locations



## **TEST PIT LOG**

Test Pit #:	TP-S (South)	File:	1772-A		
Client:	Justin Hubble	Date Excavated:	02/28/17		
Project:	2003 North Ten Mile Road - Kuna, Idaho	Digger:	BigBite Excavation		
Location:	South End	Logged By:	K. Arnold / SITE		
DEPTH	SOILS DESCRIPTION           1.0"         3/4"         1/2"         3/8"         #4         #10         #40	#100 #200	%M LL PI		
0.0-2.5	Light Brown to Tan, Moist, Sand/ SILT - Topsoil with rootzone to	4-6"			
2.5-4.0	Tan, Moist, Cemented, SILT				
4.0-6.0	HARDPAN - Very Hard, Big Excavator Required				
6.0-12.0	Brown, Moist, Silty, SAND				
11.0	100 99 98 97 93	70 31.0	17.6 NP NP		
12.0-13.0	Brown, Moist, Cemented, Silty, SAND				
12.0	100 54	36 26.5	23.0 NP NP		
13.0	BEDROCK, Basalt Bedrock Formation No Groundwater Encountered				



# **TEST PIT LOG**

Test Pit #:		TI	P-W (W	est)				File:		1772-A		
Client:	Justin Hubble							xcavated:	02/28/17			
Project:	2003 N	orth Ten	Mile Ro	ad - Ku	na, Idal	no		Digger:	BigBi	te Exca	vation	
Location:		1	West Si	de			L	ogged By:	K. A	rnold / :	SITE	
DEPTH	SOILS DESCRIP	orthogonal Carlotte Committee	T 0/00	T 44	1 440	#40	#100	#200	%M	LL	l Pl	
0.0-1.5	1.0" 3/4" Brown, Moist to	1/2" Wet, Sand	3/8" dy, SILT w	#4	#10 one to 4-6		#100	#200	/OINI			
1,5-3.0	Tan, Moist, Cem	nented, SIL	<b>.T</b>									
3.0-4.5	HARDPAN - Ver	y Hard, Bi	g Excavat	or Requir	ed							
4.5-11.0	Brown, White &	Tan, Silty	SAND									
10.0					100	51	37	26.3	24.7	NP	NP	
11.0-13.0	White & Yellow,	, Dry, Mois	t, Coarse,	SAND wi	th silt							
12.0				100	97	45	15	15.3	12.7	NP	NP	
13.0	Bottom of Exca End of Excavati		Sloughin	g Soils								



# **TEST PIT LOG**

Test Pit #:			TP-N (No	orth)				File:		1772- <i>F</i>	١
Client:		Justin Hubble								02/28/1	7
Project:	20	03 North T	en Mile R	oad - Κι	ına, ldah	o		Digger:	BigBi	ite Exca	vation
Location:			North E	nd			L	ogged By:	K. <i>A</i>	\rnold /	SITE
DEPTH	The state of the s	SCRIPTION									
	1.0"	3/4" 1/	2" 3/8"	#4	#10	#40	#100	#200	%M	LL	PI
0.0-1.0	Brown, Mo	oist to Wet, S	Sandy, SILT v	with rootzo	one to 4-6"						
1.0-3.0	Tan, Moist	, Cemented,	SILT								
3.0-4.5	HARDPAN	- Very Hard	, Big Excava	tor Requir	ed		(2) pp. (2-2) (2) (3) (3) (3) (3) (3) (3) (3) (3) (3) (3			datas calle 22 casas	General Control of Con
4.5-10.0	Brown, Wh	nite & Tan, S	andy, SILT (I	ML)							
9.0					100	97	91	75.9	24.4	NP	NP
10.0-12.0	Brown, Wh	nite, & Tan, N	Noist, Silty, S	AND							
11.0				100	98	65	37	20.2	15.6	NP	NP
12.0-15.0	Brown, Mo	ist, Sandy, S	SILT with Cer	mented Pi	eces						
14.0				100	99	66	42	25.5	21.0	NP	NP
15.0	Bottom of No Ground	Hole Iwater or Be	drock Encou	intered							



### **SOIL LOG LEGEND**

UNIFIED SOIL CLASSIFICATION SYSTEM

(ASTM STANDARD TEST METHOD D 2487 FOR CLASSIFICATION OF SOIL FOR ENGINEERING PURPOSES)

DIVISIONS				TYPICAL DESCRIPTIONS
COARSE	GRAVEL &	< 5% - #200	GW	Well-graded gravel, gravel-sand mixture, little or no fines.
GRAINED	GRAVELLY		GP	Poorly-graded gravel, gravel sand mixture, little or no fines
SOILS	SOILS	5-12% -#200	GM	Silty gravel, gravel-sand-silt mixtures
< 50% - #200	<50% - #4	> 12% - #200	GC	Clayey gravel, gravel-sand-clay mixtures
	SAND & SANDY	< 5% - #200	SW	Well-graded sand, gravelly sand, little or no fines.
	SOILS		SP	Poorly-graded sand, gravelly sand, little or no fines
	≥ 50% - # 4	>12% - #200	SM	Silty sand, sand-silt mixtures
			SC	Clayey sand, sand-clay mixtures
FINE	SILTS AND CLAYS	INORGANIC	ML	Inorganic silt and very fine sand, rock flour, silty or clayey fine sand or clayey silt with slight plasticity
GRAINED	LL < 50%		CL	Lean clay-low to medium plasticity, gravelly clay, sandy clay, silty clay
SOILS		ORGANIC	OL	Organic silt and organic silty clay of low plasticity
≥ 50% - #200	SILTS AND CLAYS	INORGANIC	МН	Elastic silt, micaceous or diatomaceous fine sand or silty soil.
	LL <u>&gt; </u> 50%		СН	Fat clay - high plasticity
		ORGANIC	ОН	Organic clay-med. or high plasticity: organic silt
ORGANIC SOILS			PT	Peat, humus, swamp soil with high organic content

### **ABBREVIATIONS AND ACRONYMS**

AASHTO	American Association of State Highway & Transportation Officials
ACP	Asphaltic Concrete Pavement
ASTM	American Society for Testing and Materials
вн	Bore Hole
IBC	International Building Code
ISPWC	Idaho Standard for Public Works Construction
ITD	Idaho Transportation Department
NP	Non Plastic
PCC	Portland Cement Concrete
PCF	Pounds per Cubic Foot
PSF	Pounds per Square Foot
TP	Test Pit
USCS	Unified Soil Classification System



WELL LOGS (4)

PECEIVED  STATE L  Department of Vietar Resources WELL DRILLE  State law requires that this report be filled with within 30 days after the complete within 30 days after the complete law recomplete that the report be recompleted within 30 days after the complete law recomplete	NATE R'	S F	EP	PORT RECEIVED
1. WELL OWNER  Name Lao Mc Clyre  Address 871 N. Ten mile Kuna Id \$3534  Drilling Permit No. 63-93- C. 0559-001  Water Right Permit No.		Artes	water ng? (i an clos olled to eratura	VEL    Ievel _ 84'
2. NATURE DF WORK  Now well Department Replacement Well diameter increase Abandoned (describe shandoment procedurer such as materials, plug depths, etc. in lithologic log)		WELS SQ Po Discharg	. TEST mp • G.P.M	FDATA
3. PROPOSED USE				10 LOG 70533
☐ Other (specify type)	O1	From	7.	Material Yes No
4. METHOD DRILLED  G Rotery G Air G Hydraulic G Reverse rotery  12 Cable G Dug G Other	4 44 4	88 90 92 97	90	COURTE GROVE! X Pea Grave! X Tallow Silt X Good Buship Yallow Chay X
5. WELL CONSTRUCTION  Cating schedule: St. Steel	4	113	114	Sand X
Trickhoes Diameter From 70 2.50 Inches   Inches   Teet 97 feet 2.50 Inches   Inches 3 feet 99 feet Inches Inches feet feet				, , , , ,
Inches   Inches   Inches   Feet				
Number From To perforations feet feet perforations feet feet perforations feet feet William From From To Perforations feet feet feet feet feet feet feet fee				
Manufacturor's name Type Model No. DiameterStat sizeSat fromfeet tofeet DiameterStat sizeSet fromfeet tofeet	_	~		
Grave jacked? □ Yes 10 to □ Size of grave! Feet to Feet to Surface seal depth 12 Yes Material used in seal: □ Cement grout □ Bentonite 15 Puddling clay □ Sealing procedure used: □ Slurry pit 15 N Tetrus, surface casing	$f^{c}$	50	7	AUG 1 & 1993  AUGutinani or Water Resourcer  Bandward Regional Office
☐ Overbore to seal depth  Method of joining casing: ☐ Threaded 兒 Welded ☐ Solvent  Weld ☐ Cemented between strate		EB (	9 19	41
Describe seces port play in wall seal cap  6. LOCATION OF WELL	11.	Wor		centification
Sketch map location must agree with written location.  N Subdivision Name		that all minimum well construction standards were at the time the rig was removed.		
Lot No. Block No.  S County Ada 2000 DEER FLAT ROAD		Addres Signed	519: by (Fli	5-C55: Bud Mells ) d Date 7-18-97 im Official) Elmer D forbestora end Operator! Russell Jahneter
SE M Sec. 15 , T. O.Z. S. D. R. O.L. W. W. USE ADDITIONAL SHEETS IF NECESSARY - FO				ν .



Form 238	3-7		~ \		IDAH	O DE	DART		NT OI	= w.a	\TF	RB	RESOURCES	Use	Typewrit	ler	
6/93 2	IDAHO DEPARTMENT OF WATER RESOURCES of OF Ball Point Pen																
		1				40		JNI						OUCCHE	:		
				/ .	2.1	,,,	سريد							092675	)		
1. DRIL		PERM	IT NO.	03	-94	·W·L	075	-04	00	10. V	/ELL		STS: CIBailer MAÑAI	r 🗆 Flowing	Adesian		
2. OWN		_								Yì	eld pal		Drawdown	Pumping Depth	Tim		
Name	VER:	Ca TH	V ~	Smi	W						75				1/1	رس	
Address	60	10	Oven	-/an	d k	22									-		$\dashv$
City	0150				Sta	te 1d	Z)p	370		Temos	rafilm	e of v	vater 58 Was a wate	r analysis done? Ye	ski Noi	7	
3. LOC	ATIO	OF W	ELL b	y leg	al des	criptio	n:			Rv wh	om7	A	DAMSON				_
Sketch m	ар юса	tion mus	agree v	vith wr	itten loca	ation.							for, etc.) / 100 - 2	L; GRNS-11	; PL	8	
	N												nperature				-
			_			_	_						<b>WATER LEVEL:</b> wysurface Depth ar	toolon flow found			
<b>"</b>	$\downarrow \downarrow$	T	1		North East			kulh.⊡ est XX		Artes	ıı lan o	. aeto ressi	urelb. Descri	pe access port			
	11	x 11	15			4/4 4	16 114	.S.E	1/4				rolling Devices:	*			
		Go	v'i Lot	C	ounty	ANA	Pores	160 80									
	S			_	7	· M·	,	ı/	_	12. L	HTI.	OLO	GIC LOG: (Describe	repairs or aband	onment)		
Address	of Well	الم Site	//3	<u>ي.</u>	/cz	Mil	و رو	KUD	A	Bore Dia	From	То	Remarks: Lithology, W	ater Quality & Temp	erature	<b>GPM</b>	5WL
		(Give at lea	ast Direction			d or Landm				8"	1	6	Top Soil				
Lot No		Block No		Sub	od. Nam	o Mc	Clur	دح			6	54	Black LAXA				
4. PRO				_		۵.				4"	54 60	60	Brown Cla	<del>/</del>		-	
	omestic hermal		unicipal jection		Monitor Other	□ 18	rigation				62	45	GLAVEL		Some	X	
5. TYP		- 6	-								95	100	Duy SAUD				
X Ne	w Well	☐ Mod		apair (	☐ Repla	cement	□ Al	bandor	nment	$\vdash$	100	102	TAN Clay				
6. DRII	LL ME	THOD By 🕺 A	Ir Poloni		Cable	П	Other				102	111	Clas Clas				
UN	מטח טטו	ay Zan	и пошу	· -	Capie		70 PG1				118	155	SANO				
7. SEA				ES			METHO			$\vdash$	155	157	Clay				
	Maleria	FILTER PA	From	То	AMOUNT Sacks or	1	MCITA			H	157	159	Clas				
BEN	TONIT	0	0	30	100	Du	1 4 L	) 210	2		159	186		way Clay			
	عادد					Į				-	186	192	Clay			x	_
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Was driv	a shoe	seal test	ed? YO	NO I	How?						197	201	SAND	r. ki	He	X_	
				'							201	207	Clay			<u></u>	
8. CAS	ING/L		Leman	Carte	Liner	Steel P	tasóc We	ided Th	haham		207	2/2	SAUD	<b>S</b> in	Mar.	<u>^</u>	<del>  -</del>
6	/ From	205	Guage , 25	Zesting X	1 14161	区		X(	οр	EC	EI	V	D PE	CEIVED		1	7.1
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	+	+ +		_	+-				_ '	1AR		13;	MAI	7, U. 9 1997-C	V 8 19	95	
Final loc	ation of	shoes	20	25					Dep	e tmon	ofW	ater f	escurces WAT	PER RESOURCES			
Top Pac		1	15	93	Во	ttom Tall	pipe_Z	07		<u> </u>	<u> </u>	<u> </u>	L	OTENA NE EL JO		<u> </u>	L
		ATIONS			3					Dat	e: Sta	ned	2/15/91	Completed	412/9	4	
	Perio	- 1		athod	uchan?	_Material	Sta	1/04		13.	DRIL	LEF	R'S CERTIFICATIO	ON	****	ور بدنانه	~>>~
×	Scree	115	<u></u>	he <b>k3</b> 0									all minimum well const was removed.	ruction standards w	ere compli	ed w	ith at
From		Stat Size	Number			ela/Pipe Size	Casting	Line				ñ	/)	, Dans		d	5-1
207	2/2	,020		5	-+		×	0		Firm	Name	H	Amson tump	4 DRILL	_Firm No.		<u>d</u> /
	-			+			נו			Firm	Offici	2	Dave Elde	em son Dat	0 4/28	199	<i>i</i>
										and			7	Dela	2/	101	,
										Supa	ruien	or O	perator duri.	HYTELINED, DO	6 /2.Y/	42	
										4000			Olan mira H Ci-	Official & Operator)	· / ***/		



Form 2: 4/92		WAT	ER R	ESOL <b>RF</b> I	PORT	SE TYPEWA BALLPOINT	ITER O T PEN	я	
N A	VELL OWNER  Iame Phil Schroeder  ddress 7635 McMullen Goix A 83709  rilling Permil No. 63-93-M-0882-000  /aler Right Permil No.	7. WATER LEVEL  Static water level80 leet below land surface. Flowing?  YesX  No							
<u>n</u>	2. NATURE OF WORK  XX New well			B. WELL TEST DATA  Pump XX Baller I Air Other  Discharge G.P.M. Pumping Level Hours Fumped  30 85 4					
<b>1</b> 20	ROPOSED USE  K Démosète   Irrigation   Monitor   Industrial   Stock   Waste Disposal or Injection   Other(specily type)	9. L Bore Diam	D	odic oth	LOG Material	70534	Water		
	ETHOD DRILLED  Rotary   Air   Auger   Reverse rotary  Cable   Mud   Other (backhoe, hydraulic, etc.)	8	0 1 2 9	1 2 9 60	topsoil hardpan broken basult 6 hardpa basalt	n	X X X X		
Ca , 25	5. WELL CONSTRUCTION  Casing schedule: XID Steel Concrete Cother  250 Character  - 250 Inches 6 Inches + 3 From [seet 157] feet  - 250 Inches 5 Inches + 3 From [seet 157] feet		60 66 72 94 95	72 94 95	broken basalt & hardya brown clay, sandy gravel & sand brown clay brown sand, fine & dir	X	X X		
Inches			.19 .24 .44 .56	124 144 156 159	brown clay brown sand brown clay brown sand, very fine brown clay brown sand & 1" gravel	X X	X X		
Siz	How perforated?				STATE OF THE STATE				
Ma Top Bo					007 2 0 123	. , , , ,			
Dia Gre Pla	imeter 5 Slot size 20 Set from 159 feet to 164 feet imeter Slot size Set from feet to 164 seet avel packed? Yes XX No Size of gravel feet to 16eet		ខ្មែរ	Ωτι	RECEIVED				
Sea	faco seal depth	Eri I	EB	09	WATER RESOURCES				
Des	Osscribe access por alum. Well scal			10.  Work started 8/31/93 finished 9/10/093					
Ske #	Subdivision Name  Subdivision Name  McClure  Lot No. 7 Block No. 1  County Ada  Iress of Well Site 2360 N McClure (give at least name of road)	11. DRILLER'S CERTIFICATION  IWe certify that all minimum well construction standards were compiled with at the time the rig was removed.  Firm Name Stavena & Sons Firm No. 353  Address 3709 Havehotne Dr. Dete 9720723  Signed by Dritting Supervision And Stavens Stavens Signed by Dritting Supervision And Stavens Stave							
N/W	7	RWARI	) THF		erator) Cling Perry (If different than the Dries	ng Superviso	(1)		



DEPARTMENT OF V	FIDAHO ATER RESOURCES  ER'S REPORT the Director, Department of Water Resources ion or abandonment of the well.  AUG 2 5 1992
1. WELL OWNER  Name BOCK, JAMES  Address TEN MILE & ARDELL  Address NINA, 1D 83634  Drilling Permit No. 63-92-C-059-0772)  Vrater Flight Permit No.	7. WATER LEVEL.  Stalte water level
2. NATURE OF WORK    Naw well   Deepened   Replacement     Well diameter increase   Modification     Abandoned (describe abandonment or modification procedures such as linens, screen, materials, plug depths, etc. in lithologic log, section 9.)	B. WELL TEST DATA  Pump C Bailer AX C Other  Discharge G.R.M. Pumpling Level Hours Pumped  100 288 2
3. PROPOSED USE    Domestic   Irrigation   Monitor     Industrial   Stock   Waste Dispesal or Injection     Other(specify type)	9. LITHOLOGIC LOG    Sorr   Depth   Material   Yes   No
4. METHOD DRILLED    Xotary	9 <sup>†</sup> 6 12 SAND NO 9 <sup>†</sup> 12 42 LAVA ROCK/CRACKS NO 9 <sup>‡</sup> 42 49 CINDERS NO 9 <sup>†</sup> 49 66 LAVA ROCKS NO 6 <sup>†</sup> 66 192 SAND 5 GRAVEL NO
5. WELL CONSTRUCTION  Casing schedule:	6" 192 129 SAND YES 6" 129 143 CLAY NO 6" 143 161 SAND YES 6" 161 165 CLAY NO 6" 163 252 SEAV SAND/CLAY STR YES 6" 252 271 SEAV SAND/CLAY STR YES 6" 251 271 SEAV SAND/CLAY STR YES
Was a packer of seal used? ☐ Yes ₩ No Perforated? ☐ Yes ₾ No How perforated? ☐ Factory ☐ Knife ☐ Torch ☐ Gun Size of perforation? ☐ Inches by ☐ Inches Number	6" 290 293 SAND YPS  RECEIVED  0C1 2 1 1992
parforations feet teet parforations (eat feet Well screen installed? □ Yes □ No Manufacturer Type Top Packer or Headpipo Bottom of Tailpipe	Department of Weder Faces:
Diameter Slot size Set from leet to teet  Diameter Slot size Set from leet to feet  Gravel packed? ☐ Yes ☐ Yho ☐ Size of gravel  Placed from feet to feet	AUG : 3 1392
Surface seal depth 66 Material used in seal: Cement grout CixBentonite Puddling clay Sealing procedure used: Sturry pit Temp, surface casing CixOverbore to seal depth Method of joining casing: Threaded Cix Welded Solvent Weld Cemented between strata	DEC 04 1992
Describe access port BANITARY WELL CAP	10
6. LOCATION OF WELL  Sketch map location must agree with written location.  Subdivision Name  NOCLUSES  Lot No. 4 Block No. 1  County ADA  Address of Well Site (give at loast name of road)	11. DRILLER'S CERTIFICATION  I/We certify that all minimum well construction standards were complied with at the time the rig was removed.  Firm Name  Can-Roba Well Drilling 304  Address  4250 Murphy Roba \$//9/1  Roma, Idaho Signed by Drilling Supervisor

# **Nothing Follows**