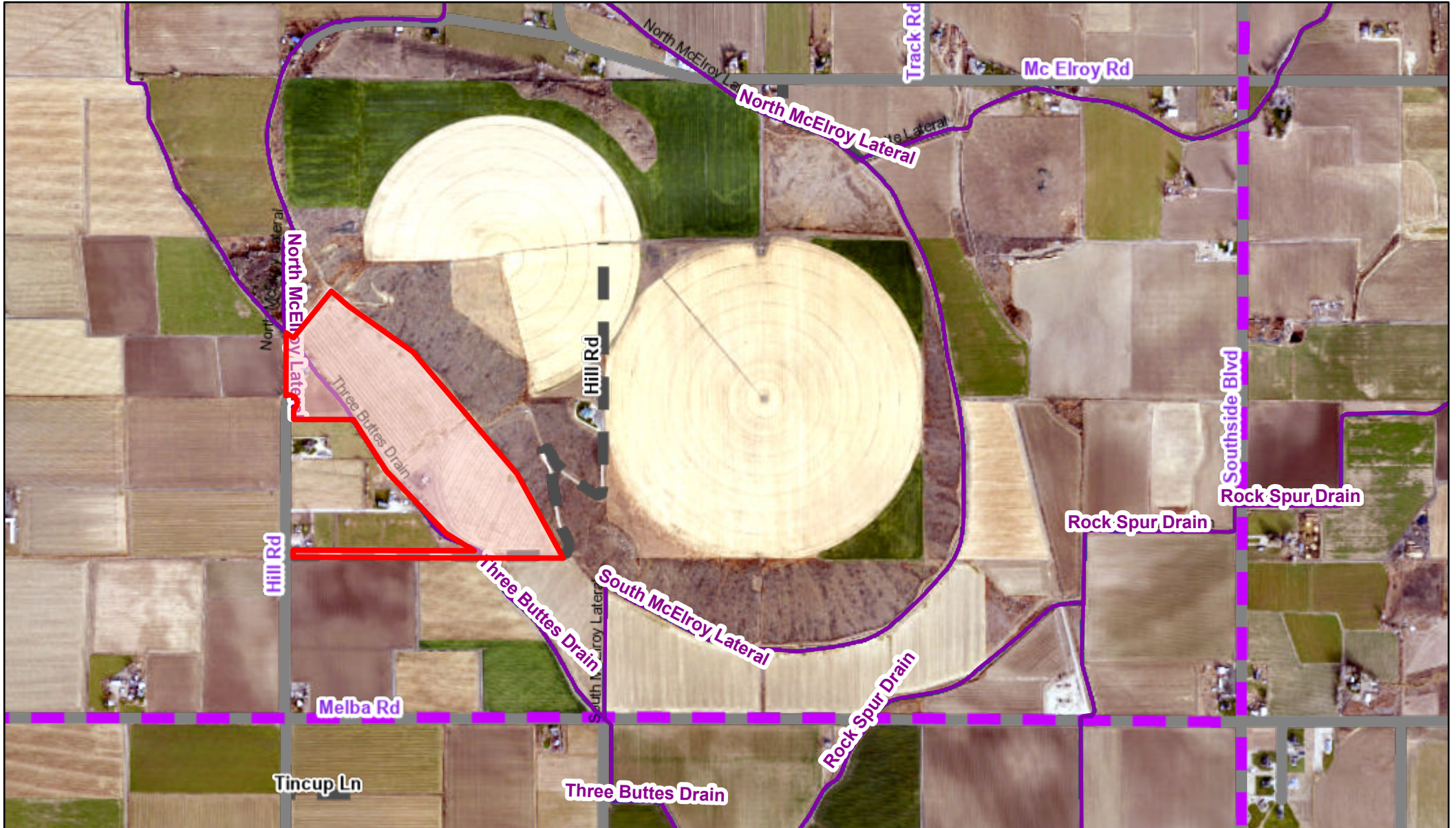


Canyon County, ID Web Map

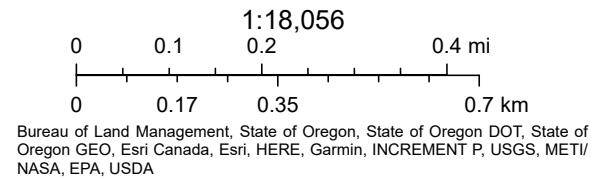


6/23/2023, 3:45:13 PM

- Multiple Parcel Search_Query result
- Hydro_NHDFlowline
- Hydro_NHDFlowline
- CC_PrivateRoads

- CanyonCountyRoads
- Roads
- ITDFunctionalClassification
- Major Collector

- Canyon County Imagery_2019
- Red: Band_1
 - Green: Band_2
 - Blue: Band_3



MASTER APPLICATION

CANYON COUNTY DEVELOPMENT SERVICES DEPARTMENT

111 North 11th Avenue, #140, Caldwell, ID 83605

www.canyonco.org/dsd.aspx Phone: 208-454-7458 Fax: 208-454-6633



PROPERTY OWNER	OWNER NAME: <u>Tammy + Mark Satterwhite</u>
	MAILING ADDRESS: <u>1484 Hill Rd, Melba ID 83641</u>
	PHONE: _____ EMAIL: _____

I consent to this application and allow DSD staff / Commissioners to enter the property for site inspections. If owner(s) are a business entity, please include business documents, including those that indicate the person(s) who are eligible to sign.

Signature: Tammy Satterwhite

Date: 9-10-21

(AGENT) ARCHITECT ENGINEER BUILDER	CONTACT NAME: <u>Will Mason</u>
	COMPANY NAME: <u>Mason Associates, Inc.</u>
	MAILING ADDRESS: <u>924 3rd street South, Ste B, Nampa, ID 83651</u>
	PHONE: <u>(208) 454-0256</u> EMAIL: <u>wmason@masonandassociates.us</u>

SITE INFO	STREET ADDRESS: <u>1484 Hill Rd, Melba ID</u>	
	PARCEL #: <u>R28608103</u>	LOT SIZE/AREA: <u>49.82</u>
	LOT: <u>4</u> BLOCK: <u>1</u> SUBDIVISION: <u>Murrell Sub</u>	
	QUARTER: <u>N 1/2 SE 1/4 & S 1/2 NE 1/4</u> SECTION: <u>27</u> TOWNSHIP: <u>1N</u> RANGE: <u>2W</u>	
	ZONING DISTRICT: <u>CR-R-R</u> FLOODZONE (YES/NO): <u>(NO)</u>	

HEARING LEVEL APPS	<input type="checkbox"/> CONDITIONAL USE	<input type="checkbox"/> COMP PLAN AMENDMENT	<input type="checkbox"/> CONDITIONAL REZONE
	<input type="checkbox"/> ZONING AMENDMENT (REZONE)	<input type="checkbox"/> DEV. AGREEMENT MODIFICATION	<input type="checkbox"/> VARIANCE > 33%
	<input type="checkbox"/> MINOR REPLAT	<input type="checkbox"/> VACATION	<input type="checkbox"/> APPEAL
	<input checked="" type="checkbox"/> SHORT PLAT SUBDIVISION	<input type="checkbox"/> PRELIMINARY PLAT SUBDIVISION	<input type="checkbox"/> FINAL PLAT SUBDIVISION

DIRECTORS DECISION APPS	<input type="checkbox"/> ADMINISTRATIVE LAND DIVISION	<input checked="" type="checkbox"/> EASEMENT REDUCTION	<input type="checkbox"/> SIGN PERMIT
	<input type="checkbox"/> PROPERTY BOUNDARY ADJUSTMENT	<input type="checkbox"/> HOME BUSINESS	<input type="checkbox"/> VARIANCE 33% >
	<input checked="" type="checkbox"/> PRIVATE ROAD NAME	<input type="checkbox"/> TEMPORARY USE	<input type="checkbox"/> DAY CARE
	<input type="checkbox"/> OTHER _____		

CASE NUMBER: <u>SD2022-0005</u>	DATE RECEIVED: <u>1-27-22</u>
RECEIVED BY: <u>cl</u>	APPLICATION FEE: <u>1730⁰⁰</u> <input checked="" type="checkbox"/> MO <input type="checkbox"/> CC <input type="checkbox"/> CASH

Mason & Associates Inc.

Phone (208) 454-0256 • Fax (208) 467-4130

Professional Engineers,
Land Surveyors
& Planners

924 3rd Street South, Suite B
Nampa, ID 83651

LETTER OF TRANSMITTAL

Date	1-26-22	Job No.	JND0621
Attention:			
Re:	Bad River Subdivision		
	- Short Plat		
	- Approved DA		

TO: Canyon County Development - Planning + Zoning

Attached Under separate cover Via Hand delivery _____ the following items

Shop drawings Prints Plans Engineer's report Specifications
 Copy of letter Original mylar Other _____

Copies	Date	No.	Description
1			Master Application + Short Plat Checklist
1			Letter of Explanation
1			Copy of Development agreement
1			Subdivision worksheet and irrigation plan + Irr docs
1			Private Road Name checklist + approach permit
1			Copy of road maintenance agreement
1			Warranty deed
1			Storm Drain Calcs + SER and MAP
1			Full size Preliminary Plat, Final Plat
1			CD with above docs -

Check for fees for \$1,730.00 check # 1514 from Loening Family

Transmitted as checked below:

For approval Approved as submitted Resubmit Copies for approval
 For your use Approved as noted Submit Copies for distribution
 As requested Returned for corrections Return Corrected prints
 For review & comment
 For bid due by _____

REMARKS: for questions please call

Signed: Angie Culler

Copy to: _____

Received By: Clawson

Date: 1-27-22

SHORT PLAT SUBMITTAL LIST

CANYON COUNTY DEVELOPMENT SERVICES DEPARTMENT

111 North 11th Avenue, #140, Caldwell, ID 83605

www.canyonco.org/dsd.aspx Phone: 208-454-7458 Fax: 208-454-6633



- A. The proposed subdivision does not exceed fourteen (14) lots.
- B. No major special development considerations are involved such as development in the floodplain, hillside development, etc. and
- C. All required information for both preliminary and final plat is complete and in acceptable form. **CCZO 07-17-17**

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH THIS CHECKLIST:

<input checked="" type="checkbox"/> Master Application completed and signed
<input checked="" type="checkbox"/> Detailed letter fully describing the request or project, include total number of lots, buildable lots, open space lots, size of lots, and how you will mitigate negative impacts
<input checked="" type="checkbox"/> Subdivision Worksheet
<input checked="" type="checkbox"/> Irrigation Plan Application
<input checked="" type="checkbox"/> Copy of Preliminary and Final Plat
<input checked="" type="checkbox"/> Private Road application (if internal roads are private)
<input checked="" type="checkbox"/> Easement reduction application (if requesting less than 60 feet easement width)
<input checked="" type="checkbox"/> Preliminary Drainage plan
<input checked="" type="checkbox"/> Preliminary Irrigation plan
<input checked="" type="checkbox"/> Preliminary Grading plan, if applicable
<input checked="" type="checkbox"/> Final Drainage Plan
<input checked="" type="checkbox"/> Final Irrigation Plan
<input checked="" type="checkbox"/> Final Grading Plan, if applicable
<input type="checkbox"/> Deed or evidence of property interest to all subject properties.
<input type="checkbox"/> \$1680 + \$10/Lot + \$100 (if in City Area of Impact) non-refundable fee

NOTES:

1. Short plats follow the standard public hearing process with the preliminary plat being heard by the Planning and Zoning Commission and the final plat heard by the Board of County Commissioners.
2. After the plat is reviewed and found to be in compliance, an **additional five (5) copies and one electronic version of the final plat** shall be submitted.

PROCESS: PUBLIC HEARING PROCESS



Professional Engineers, Land Surveyors and Planners

924 3rd St. So. Ste B, Nampa, ID 83651
Ph (208) 454-0256 Fax (208) 467-4130
Email: wmason@masonandassociates.us

LETTER OF EXPLANATION SHORT PLAT

This subject property is a replat of the Murrell subdivision book 45 page 32. It is a part of the N 1/2 SE 1/4 and a part of the S 1/2 NE 1/4, section 27, T1N and R2W BM, Canyon County, Idaho. The development of this property is subject to development agreement 21-007 between Canyon County and the Satterwhites.

A Short Plat in compliance with the development agreement is requested. There will be 3 new residential homes, and 1 private road lot. Each of the 3 new residential parcels will not be less than 7 acres. The homes will be built within a 1 acre envelope and the remaining ground will continue with agricultural uses.

The lots will be served via individual wells and septic systems. Southwest District Health has been onsite, septic test holes have been dug and supporting documents are included.

Individual pressure irrigation system will be installed for each of the 3, 1 acre building envelopes. The remainder of each parcel will be irrigated as it always has been.

Negative impact is not anticipated.



CANYON COUNTY DEVELOPMENT SERVICES DEPARTMENT

1115 Albany Street • Caldwell, Idaho • 83605 • Phone (208) 454-7458

Fax: (208) 454-6633 • www.canyoncounty.org/dsd

**DEVELOPMENT AGREEMENT
BETWEEN CANYON COUNTY AND APPLICANT**

Agreement number: 21-007

THIS AGREEMENT, made and entered into this 21st day of Feb., 2021, by and between Canyon County, Idaho, a political subdivision of the state of Idaho, hereinafter referred to as "COUNTY" and Mark & Tammy Satterwhite, hereinafter referred to as "Applicant."

RECITALS

WHEREAS, Applicants have applied to County for a conditional rezone from the "A" (Agricultural) Zone to "CR-R-R" (Conditional Rezone - Rural Residential) Zone (CR2020-0010), which are legally described in the attached EXHIBIT "A," incorporated by reference herein (hereinafter referred to as "Subject Property"); and

WHEREAS, Parcel R28608103, approximately 49.82 acres, is owned by the Applicant.

WHEREAS, on the 13 day of Jan., 2021 the Canyon County Board of Commissioners approved a conditional rezone with conditions of the Subject Property to a "CR-R-R" (Conditional Rezone - Rural Residential) Zone, which was done with Applicant's approval. The conditions of the approval for the conditional rezone are attached hereto as EXHIBIT "B".

WHEREAS, the parties desire to enter into an agreement to comply with Canyon County Code of Ordinances §07-06-07(2) & 07-06-07(7), Canyon County Zoning Ordinance No. 16-007 or as amended, and to ensure the Applicants will implement and be bound by the conditions of the rezone order issued by the Canyon County Board of Commissioners; and

NOW THEREFORE, the parties hereto do hereby agree to the following terms:

SECTION 1. AUTHORIZATION.

This Agreement is authorized and required by Idaho Code §67-6511A; Canyon County Code of Ordinances 07-06-07 (Conditional Rezoning).

2021-014913

RECORDED

03/01/2021 03:34 PM



0059201320210014913009099

Agreement Number: 21-007
Development Agreement – Satterwhite (CR2020-0010)

CHRIS YAMAMOTO
CANYON COUNTY RECORDER
Pgs=9 MBROWN NO FEE
AGR
CANYON COUNTY

SECTION 2. PROPERTY OWNER.

Applicants are the owner(s) of Subject Properties which is located in the unincorporated area of Canyon County, Idaho, more particularly described in EXHIBIT "A", attached hereto and incorporated herein, which real property is the subject matter of this Agreement. Applicants represent that they currently hold complete legal or equitable interest in the Subject Properties and that all persons holding legal or equitable interests in the Subject Properties or the operation of the business are to be bound by this Agreement.

SECTION 3. RECORDATION.

Pursuant to Idaho Code §67-6511A and Canyon County Code of Ordinances, this Agreement shall be recorded by the Clerk in the Canyon County Recorder's Office and will take effect upon the adoption, by the Board of County Commissioners, of the amendment to the zoning ordinance as set forth herein.

SECTION 4. TERM.

The parties agree that this Agreement shall run with the land and bind the Subject Property in perpetuity, and shall inure to the benefit of and be enforceable by the parties, and any of their respective legal representatives, heirs, successors, and assignees. Provided, however, this Agreement shall terminate if the Board of County Commissioners subsequently rezones the property to allow for a higher density use or if annexation of the Subject Property by a city occurs. In this event, however, the Agreement shall only terminate in regards to the portion of the Property that is actually rezoned or annexed, while the remainder of the Property shall remain subject to the Agreement.

If any of the privileges or rights created by this Agreement would otherwise be unlawful or void for violation of (1) the rule against perpetuities or some analogous statutory provision, (2) the rule restricting restraints on alienation, or (3) any other statutory or common law rules imposing time limits, then such provision shall continue until twenty-one (21) years after the death of the last survivor of the now living lawful descendants of George Herbert Walker Bush, former President of the United States, or for such shorter period as may be required to sustain the validity of such provision.

SECTION 5. MODIFICATION.

This Agreement may be modified only in writing signed by the parties, or their successors in interest, after complying with the notice and hearing procedures of Idaho Code §67-6509 and the requirements of Canyon County Code of Ordinances. The modification proposal must be in the form of a revised Development Agreement and must be accompanied by a statement demonstrating the necessity for the requested modification.

SECTION 6. APPLICATION OF OTHER LAWS TO THE SUBJECT PROPERTIES.

This Agreement shall not prevent the County in subsequent actions applicable to the Subject Properties from applying new rules, regulations, or policies that do not conflict with this Agreement.

SECTION 7. COMMITMENTS.

Applicants will fully and completely comply with the conditions of the approved conditional rezone of the Subject Properties from "A" (Agricultural) Zone to "CR-R-R" (Conditional Rezone - Rural Residential) Zone, which conditions are attached hereto as EXHIBIT "B".

SECTION 8. USES, DENSITY, AND HEIGHT AND SIZE OF BUILDINGS

The density or intensity of use of the Subject Properties is specified in the commitments of Section 7 unless conditioned otherwise (see Exhibit "B"). The uses and maximum height and size of the buildings on the Subject Properties shall be those set pursuant to law, including those contained in the Canyon County Code of Ordinances, that are applicable to an "CR-R-R" (Conditional Rezone - Rural Residential) zone and those provisions of law that are otherwise applicable to the Subject Property.

SECTION 9. LIABILITY AND INDEMNITY OF COUNTY.

A. COUNTY REVIEW.

Applicants acknowledge and agree that the County is not and shall not be, in any way, liable for any damages or injuries that may be sustained as a result of the County's review and approval of any plans or improvements, or the issuance of any approvals, permits, certificates or acceptances, relating to the use and development of the property described in EXHIBIT "A," and that the County's review and approval of any such plans and the improvements or the issuance of any such approvals, permits, certificates, or acceptances does not, and shall not, in any way, be deemed to insure or ensure Applicants or any of Applicants' heirs, successors, assigns, tenants, and licensees, against damage or injury of any kind and/or at any time.

B. COUNTY PROCEDURES.

Applicants acknowledge that notices, meetings, and hearings have been lawfully and properly given and held by the County with respect to Applicant's conditional rezone application in Development Services Department Case Number CR2020-0010 and any related or resulting development agreements, ordinances, rules and regulations, resolutions or orders of the Board of County Commissioners. Applicants agree not to challenge the lawfulness, procedures, proceedings, correctness or validity of any of such notices, meetings, hearings, development agreements, ordinances, rules, regulations, resolutions or orders.

C. INDEMNITY.

Applicants agree to, and do hereby, defend, hold harmless and indemnify the County, the Board of County Commissioners, all County elected and appointed officials, officers, employees, agents, representatives, and attorneys, from any and all claims that may, at any time, be asserted against any such parties in connection with (i) the County's review and approval of any plans or improvements, or the issuance of any approvals, permits, certificates, or acceptances relating to the use and/or development of the Subject Properties; (ii) any actions taken by the County pursuant to Subsection 9(B) of this

Agreement; (iii) the development, construction, and maintenance of the property; and (iv) the performance by County of its obligations under this Agreement and all related ordinances, resolutions, or other agreements.

D. DEFENSE EXPENSES.

Applicants shall, and do hereby agree, to pay, without protest, all expenses incurred by the County in defending itself with regard to any and all of the claims identified in Subsection 9 of this Agreement. These expenses shall include all out-of-pocket expenses, including, but not limited to, attorneys' and experts' fees, and shall also include the reasonable value of any services rendered by any employees of the County.

SECTION 10. PERIODIC REVIEW.

The County's Development Services Department will administer the Agreement after it becomes effective and will conduct a review of compliance with the terms of this Agreement on a periodic basis, including, but not limited to, each time a development of the Property is platted. Applicants shall have the duty to demonstrate Applicants' compliance with the terms of this Agreement during such review.

SECTION 11. REQUIRED PERFORMANCE.

Applicants shall timely carry out all steps required to be performed and maintain all commitments set forth in this Agreement and as set forth in County laws, ordinances, rules and regulations as they pertain to the Subject Property including, but not limited to, those concerning the commencement of development, completion of development, preliminary platting and final platting.

SECTION 12. DEFAULT AND REMEDIES.

In the event of a default or breach of this Agreement or of any of its terms or conditions, the party alleging default shall give the breaching party not less than thirty (30) days, Notice of Default, in writing, unless an emergency exists threatening the health and safety of the public. If such an emergency exists, written notice shall be given in a reasonable time and manner in light of the circumstances of the breach. The time of the giving of the notice shall be measured from the date of the written Notice of Default. The Notice of Default shall specify the nature of the alleged default and, where appropriate, the manner and period of time during which said default may be satisfactorily cured. During any period of curing, the party charged shall not be considered in default for the purposes of termination or zoning reversion, or the institution of legal proceedings. If the default is cured, then no default shall exist and the charging party shall take no further action.

SECTION 13. ZONING REVERSION CONSENT.

The execution of this Agreement shall be deemed written consent by Applicants to change the zoning of the Subject Properties to its prior designation upon failure to comply with the terms and conditions imposed by the approved conditional rezone and this Agreement. No reversion shall take place until after a hearing on this matter pursuant to Idaho Code §67-6511A. Upon notice and hearing, as provided in this Agreement and in Idaho Code §67-6509, if the properties

described in attached EXHIBIT "A " are not used as approved, or if the approved use ends or is abandoned, the Board of County Commissioners may order that the property will revert to the zoning designation (and land uses allowed by that zoning designation) existing immediately prior to the rezone action, i.e., the Subject Properties conditionally rezoned from "A" (Agricultural) Zone designation to "CR-R-R" (Conditional Rezone - Rural Residential) Zone designation shall revert back to the "A" (Agricultural) Zone designation.

SECTION 14. COMPLIANCE WITH LAWS.

Applicants agree that they will comply with all federal, state, county and local laws, rules and regulations, which appertain to the Subject Property.

SECTION 15. RELATIONSHIP OF PARTIES.

It is understood that this Agreement between Applicants and the County is such that Applicants are an independent party and are not an agent of the County.

SECTION 16. CHANGES IN LAW.

Any reference to laws, ordinances, rules, regulations, or resolutions shall include such laws, ordinances, rules, regulations, or resolutions as they have been, or as they may hereafter be amended.

SECTION 17. NOTICES.

Except as otherwise provided in this Agreement and/or by law, all notices and other communications in connection with this Agreement shall be in writing and shall be deemed delivered to the addressee thereof, (1) when delivered in person on a business day at the address set forth below, or (2) in the third business day after being deposited in any main or branch United States post office, for delivery by properly addressed, postage paid, certified or registered mail, return receipt requested, at the addresses set forth below.

Notices and communications required to be given to County shall be addressed to, and delivered at, the following address:

Director
Development Services Department
Canyon County Administration
111 North 11th Avenue, #140
Caldwell, Idaho 83605

Notices and communications required to be given to Applicants shall be addressed to, and delivered at, the following addresses:

Name: Mark and Tammy Satterwhite
Street Address: 1484 Hill Road
City, State, Zip: Melba, ID 83641

A party may change its address by giving notice, in writing, to the other party, in the manner provided for in this section. Thereafter, notices, demands, and other pertinent correspondence shall be addressed and transmitted to the new address.

SECTION 18. TERMINATION.

This Agreement may be terminated in accordance with the notice and hearing procedures of Idaho Code §67-6509, and the zoning designation upon which the use is based reversed, upon failure of Applicants, a subsequent owner, or other person acquiring an interest in the property described in attached EXHIBIT "A" to comply with the terms of this Agreement. Applicants shall comply with all commitments in this Agreement prior to establishing the approved land use.

SECTION 19. EFFECTIVE DATE.

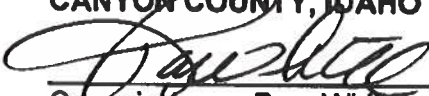
The commitments contained in this Agreement shall take effect in the manner described in this Agreement upon the County's adoption of the amendment to the zoning ordinance as set forth herein.

SECTION 20. TIME OF ESSENCE.

Time is of the essence in the performance of all terms and provisions of this Agreement.

IN WITNESS WHEREOF, the parties hereto have hereunto set their hands and seals the day and year first above written.

**BOARD OF COUNTY COMMISSIONERS
CANYON COUNTY, IDAHO**



Commissioner, Pam White



Commissioner ~~Tom Dato~~ Kaci Smith



Commissioner Leslie Van Beek

APPLICANTS

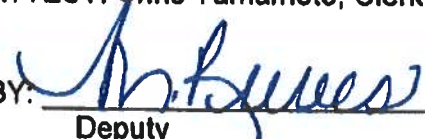


Mark Satterwhite, Property Owner



Tammy Satterwhite, Property Owner

ATTEST: Chris Yamamoto, Clerk

BY: 

Deputy

DATE: 2-26-21



(All Applicants must sign and their signatures must be notarized)

STATE OF IDAHO)

ss.

County of Canyon)

On this 29th day of January, 2021, before me, a notary public, personally appeared Mark Satterwhite, known to me to be the person whose name is subscribed to the within and foregoing instrument and acknowledged to me that he/she executed the same on behalf of the Applicant.

Julie Fuller-McNett
Notary Public for Idaho

Residing at: Meridian, ID.

My Commission Expires: 4-2-2026



STATE OF IDAHO)

ss.

County of Canyon)

On this 29th day of January, 2021, before me, a notary public, personally appeared James Satterwhite, known to me to be the person whose name is subscribed to the within and foregoing instrument and acknowledged to me that he/she executed the same on behalf of the Applicant.

Julie Fuller-McNett
Notary Public for Idaho

Residing at: Meridian, ID.

My Commission Expires: 4-2-2026

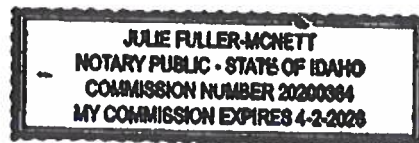


EXHIBIT "A"

LEGAL DESCRIPTION – R28608103

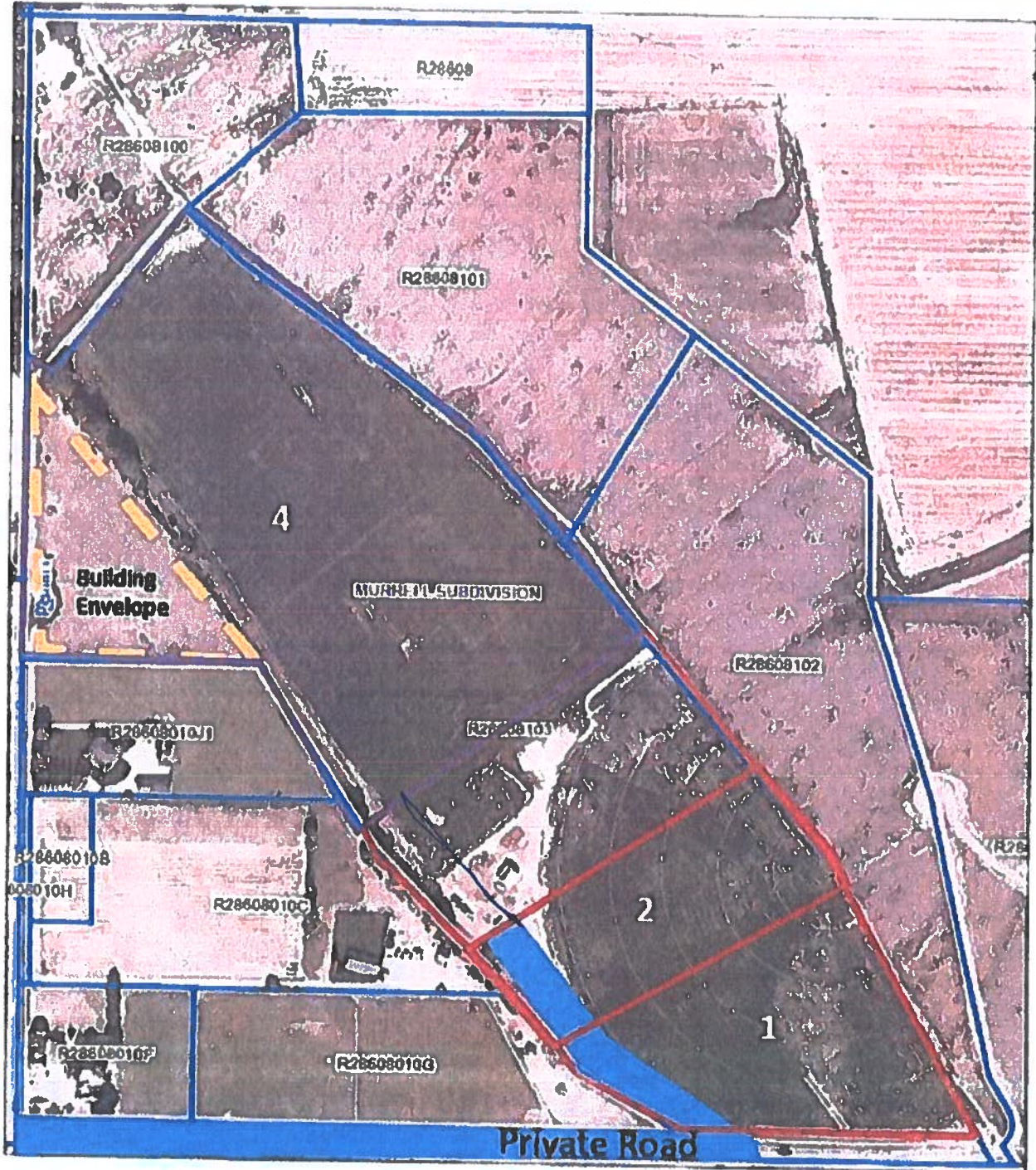
Lot 4 in Block 1 of Murrell Subdivision, according to the official plat thereof, filed in Book 45 of plats at Page (s) 32, records of Canyon County, Idaho (Instrument #2016-044443)

EXHIBIT "B"

CONDITIONS OF APPROVAL

1. The development shall comply with all applicable federal, state, and county laws, ordinances, rules and regulations that pertain to the property.
2. The subject parcels, approximately 49.82 acres, shall be divided in accordance with Chapter 7, Article 17 of the Canyon County Zoning Ordinance (Subdivisions) in general compliance with the Conceptual Plan, attached herein as Exhibit "C", subject to the following restrictions:
 - a. The division of the parcel shall not exceed a total of four lots. Further divisions are prohibited unless approved by subsequent comprehensive plan amendment, rezone and platting applications.
 - b. Secondary dwellings are prohibited on Lots 1, 2 and 3.
 - c. Lots 1, 2 and 3 shall have a seven (7) acre minimum lot size. Each lot shall have a one acre building envelope where residential and accessory structures shall be located. Areas outside of the building envelopes are to remain open (except for agricultural-exempt structures) for agricultural purposes only.
 - d. Lot 4 shall have a 4.5 acre or less building envelope west of the existing drainage easement near Hill Road where an existing dwelling and accessory structure are located. Area outside of the building envelope is to remain open for agricultural purposes only.
 - e. The subsequent plat shall include a pressurized irrigation system.
 - f. At the time of subdivision plat submittal, an agricultural preservation and irrigation plan shall be submitted. The plan shall include:
 1. Adequate irrigation (uses and methods) shall be demonstrated to ensure on-going agricultural uses can be supported without disturbing neighboring irrigation uses; and
 2. Building envelope locations on Lots 1, 2 and 3 (Exhibit "C") that support preservation of farmland.
 - i. Subject to the conditions of this development agreement, conceptual configurations of Lots 1, 2 and 3 shown on Exhibit "C" may be modified if the configuration better supports agricultural preservation and irrigation of over 40 acres of farmland.
3. Historic irrigation lateral, drain and ditch flow patterns shall be maintained and protected. Modification including any crossings shall be approved in writing by Boise-Kuna Irrigation District, Boise Project Board of Control and Bureau of Reclamation.
4. The developer shall comply with CCZO §07-06-07 (4) Time Requirements: "All conditional rezones for a land use shall commence within two (2) years of the approval of the board." Commencement shall be the submittal of a plat in accordance with Chapter 7, Article 17 of the Canyon County Zoning Ordinance.

EXHIBIT "C"
CONCEPTUAL PLAN





EDDY THIEL
Right of Way Specialist

eddy@nampahighway1.com

4507 12th Avenue Road
Nampa, ID 83686

Phone: 208.467.6576
Mobile: 208.989.9930
Fax: 208.467.9916

PROACH PERMIT

NHD-002
Rev Mar 2013
Page 1 of 2

ATTENTION (TO BE COMPLETED BY APPLICANT/PERMITTEE)

I, Mark Satterwhite, representative of owner) of the proposed property to be served, and agree to do the work requested herein in accordance with the General Provisions printed on Page 2, the Special Provisions, and the Plans made a part of this Permit.

Mark Satterwhite
NAME OF APPLICANT/PERMITTEE

Mark Satterwhite
SIGNATURE OF APPLICANT/PERMITTEE

1484 Hill Rd.
ADDRESS

9/23/21
DATE

Melba
CITY STATE ZIP

[REDACTED]
PHONE (CELL NUMBER PREFERRED)

ROAD NAME: Hill Rd BETWEEN Melba Rd. & End of Hill Rd.
FIRST CROSS STREET SECOND CROSS STREET

SIDE OF ROAD: North South East West
TYPE: New Use of existing Upgrade of existing
USE: Residential Commerical Field/Agriculture
CIRCLE DRIVEWAY: Yes No

SECTION II - WORK AUTHORIZATION (TO BE COMPLETED BY HIGHWAY DISTRICT)

ROAD NO. 561 SUB DIV. NO. _____

ROAD CLASSIFICATION: Arterial Collector Other
CULVERT(S) REQUIRED: Yes, 12" dia x 30' long Residential Yes, 12' dia x 40' long Commercial No culvert(s) required

NOTICE:
This Permit shall not be valid for construction until, or unless, the provisions of Idaho Code Title 55, Chapter 22 have been complied with.
CALL DIGLINE PRIOR TO EXCAVATION
1 (800) 342-1585

PAYMENTS MADE: \$50.00 Permit Fee \$400.00 Deposit
SPECIAL PROVISIONS: Permit Ch # 6472

APPROACH REQUIRED TO BE PAVED? Yes No
Subject to all terms, conditions and provisions shown on this form, or attachments, permission is hereby granted to perform the work as described.

Eddy Thiel
SIGNATURE - HIGHWAY DISTRICT OFFICIAL
9-23-21
DATE

A COPY OF THIS PERMIT MUST BE PRESENT AT WORK SITE DURING CONSTRUCTION

SECTION III - FINAL APPROVAL

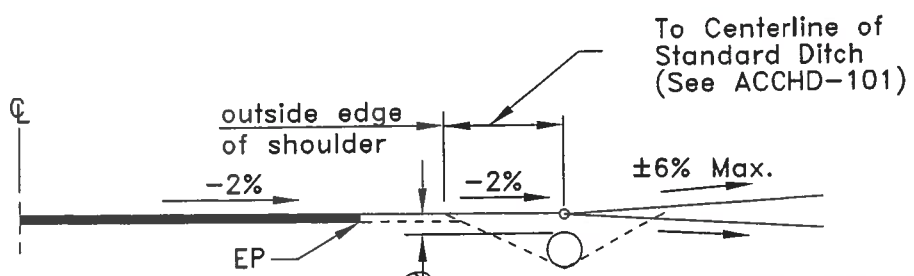
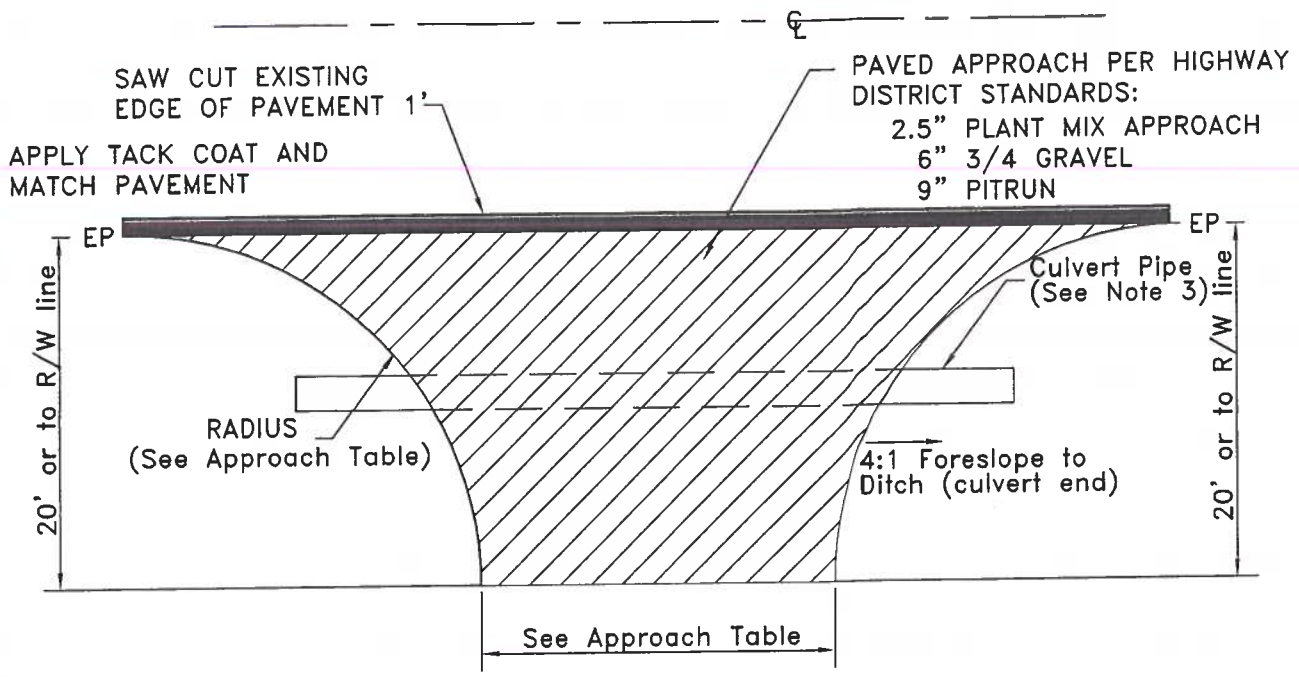
This Permit expires sixty (60) days from issue date. Permittee must complete work and call for final inspection at (208) 467-6576 prior to Permit expiration, or forfeit fee and deposit.

FINAL APPROVAL GRANTED BY: _____
SIGNATURE - HIGHWAY DISTRICT OFFICIAL DATE

APPROACH PERMIT

GENERAL PROVISIONS

1. A security deposit may be required with this permit. If the work under this permit is properly completed and inspected within the permit period, then the deposit will be refunded. If the work is not properly completed within the permit period, the Highway District may at its discretion complete the work itself. The costs of any such work done by the Highway District will be charged against the deposit, and any charges beyond the deposit will be invoiced to the permittee.
2. Approaches shall be for the bona fide purpose of securing access and not for the purpose of parking, conducting business or servicing vehicles on the highway right-of-way.
3. No revisions or additions shall be made to an approach or its appurtenances on the right-of-way without the written permission of the Highway District.
4. The permittee shall furnish all material, labor and equipment involved in the construction of the approach and its appurtenances. This shall include furnishing drainage pipe of a size specified on the permit, curb and gutter, concrete sidewalk, etc. where required. Materials and workmanship shall be good quality and are subject to inspection by the Highway District.
5. The Highway District reserves the right to make at any time, such changes, additions, repairs and relocations to any approach or its appurtenances within the highway right-of-way as may be necessary to permit the relocation, reconstruction, widening and maintenance of the highway and/or to provide proper protection to life and property on or adjacent to the highway.
6. Driveways and rural approaches shall conform to the plans made a part of this permit. Adequate drawings or sketches shall be included showing the design, construction requirements and proposed location of the approach. All approaches shall be in accordance with the standard provisions set forth in the Highway Standards and Development Procedures for the Association of Canyon County Highway Districts.
7. The Highway District may change, amend or terminate this permit or any of the conditions herein enumerated if permittee fails to comply with its provisions or requirements as set forth herein.
8. During the construction of the approach(es), such barricades, signs and other traffic control devices shall be erected and maintained by the permittee, as may be deemed necessary by the Highway District. Said devices shall conform to the current issue of the Manual on Uniform Traffic Control Devices for Streets and Highways. Parked equipment and stored materials shall be as far from the travel way as feasible. Items stored within 30 feet of the travel way shall be marked and protected.
9. In accepting this permit, the permittee, its successors and assigns, agrees to hold the Highway District harmless from any liability caused by the installation, construction, maintenance or operation of the approach(es).
10. If the work done under this permit interferes in any way with the drainage of the highway, the permittee shall wholly and at his own expense make such provision as the Highway District may direct to correct said drainage.
11. On completion of work under this permit, all rubbish and debris shall be immediately removed and the roadway and roadside shall be left neat and presentable and to the satisfaction of the Highway District.
12. The permittee shall maintain at his or their sole expense the structure or object for which this permit is granted in a condition satisfactory to the Highway District.
13. Neither the acceptance of this permit nor anything herein contained shall be construed as a waiver by the permittee of any rights given it by the Constitution or Laws of the State of Idaho or of the United States.
14. No work shall be started until an authorized representative of the Highway District has given notice to the permittee to proceed.
15. This permit shall be void unless the work it covers is completed before the permit completion date.
16. The Highway District hereby reserves the right to order the change of location or the removal of any structure(s) or facility(ies) authorized by this permit. Said change or removal is at the sole expense of the permittee, or its successors and assigns.



12" Minimum Pipe Cover

APPROACH TABLE

APPROACH TYPE	Appr. Width*		Min.** Radius
	Min.	Max.	
Residential, Three or More	24'	30'	20'
Commercial (One Way)	20'	30'	20'
Commercial (Two Way)	24'	40'	20'

* Does not include 2' gravel shoulder on each side of approach.
 ** Or based on applicable commercial design vehicle.

NOTES:

1. APPROACHES SPACING SHALL CONFORM TO SECTION 3000 OF THE ACCHD MANUAL.
2. INGRESS/EGRESS BY FORWARD MOTION ONLY.
3. CULVERT PIPE SHALL BE 12" MIN. DIAMETER. CULVERT PIPE SHALL EXTEND TO THE INTERSECTION OF THE DITCH LINE AND THE 4:1 APPROACH FORESLOPE. PIPE MATERIAL SHALL BE EITHER 0.064" THICK CORRUGATED STEEL, 0.060" CORRUGATED ALUMINUM OR CLASS V REINFORCED CONCRETE.

**COMMERCIAL APPROACH AND ACCESS
 SERVING 3 OR MORE PROPERTIES**

N.T.S.

STANDARD DRAWING No. ACCHD-106
 CANYON COUNTY HIGHWAY DISTRICTS
 CANYON COUNTY, IDAHO

REVISED 12/08

**AMENDMENT TO
EASEMENT AND ROAD MAINTENANCE DECLARATION**

THIS AMENDMENT TO EASEMENT AND ROAD MAINTENANCE DECLARATION ("**Amendment**") is made and entered into effective this ____ day of _____, 2021 by and between BRENT L. WECKER and ANGELA D. WECKER, husband and wife, of 1454 Hill Road, Melba, Canyon County, Idaho ("**Wecker**"), CARMELO VILLA-LOPEZ, a married man dealing with his sole and separate property, of 813 W. Florida Ave., Nampa, Canyon County, Idaho ("**Villa-Lopez**"), and MARK SATTERWHITE and TAMMY SATTERWHITE, husband and wife, of 1484 Hill Road, Melba, Canyon County, Idaho ("**Satterwhite**").

RECITALS

A. Edmond E. Murrell and Kimberly A. Murrell, husband and wife, ("**Murrells**") formerly owned three (3) separate parcels of real property located in Canyon County, Idaho, referred to herein as Parcels 3, 4 and 5.

B. On July 28, 2016 Murrells recorded an Easement and Road Maintenance Declaration, Canyon County, Idaho Instrument No. 2016-030145 ("**Original Declaration**"), providing, among other things, for access benefitting and road maintenance obligations burdening Parcels 3, 4 and 5 ("**Parcels**").

C. Murrells subsequently sold Parcel 3 to Satterwhite, Parcel 4 to Villa-Lopez, and Parcel 5 to Wecker.

D. Satterwhite has received approval for a conditional rezone of Parcel 3 permitting a subdivision that will add three (3) additional lots on Parcel 3.

E. Section 12 of the Original Declaration provides for amendment of the Original Declaration by mutual written consent of all owners.

F. The undersigned, representing all owners of the Parcels, have agreed to this Amendment for the purpose of providing for upgrades to the roadway, improved maintenance practices, and the inclusion of the three (3) additional lots on Parcel 3 in the benefits and burdens of the Original Declaration and this Amendment.

AGREEMENT

NOW THEREFORE, in consideration of the recitals above, which are incorporated herein, the parties agree as follows:

1. Inclusion of Additional Lots. The three (3) additional lots to be subdivided from Parcel 3, creating a total of four (4) separate lots thereon, shall be included as Parcels for all purposes in the benefits and burdens of the Original Declaration. The four lots on Parcel 3 are legally described on **Exhibits A through D**, inclusive, attached and incorporated by this reference as if set forth in full.

2. Roadway Improvements. In light of the increased traffic usage associated with the three (3) additional lots, Satterwhite shall, at Satterwhite's sole expense, improve the existing roadway from Hill Road to the easterly boundary of Parcel 3 by construction of a 20-foot-wide all-weather driving surface, including a 6-inch gravel base and replacement of the existing drain culvert to accommodate the road widening. The culvert shall be constructed to the satisfaction of the local rural fire district for purposes of emergency vehicle passage. All construction to conform to applicable standards, performed in a workmanlike manner with materials generally acceptable in similar road construction projects. Road construction shall be substantially complete before commencing construction of improvements on any lot on Parcel 3 and, in any event, within eighteen (18) months of the date of the last signature on this Amendment.

3. Maintenance. In addition to all other maintenance provided for in the Original Declaration, the owners of all properties benefitting from the Original Declaration and this Amendment shall, in the manner provided at Section 4 of the Original Declaration:

- i. Maintain the road in substantially the same condition existing at completion of the roadway improvements described in Section 2, above.
- ii. Treat the roadway with dust control products at least annually. Dust control products shall be consistent with those generally acceptable in similar dust abatement efforts by the local public highway authority.
- iii. Grade the roadway to a smooth and even finish free of potholes and "washboard" surfaces at least quarterly.
- iv. Employ effective measures to protect against excessive mud being tracked onto the road from agricultural uses and immediately clear the roadway of any such mud originating from the owner's own property.

4. Except as modified by this Amendment, the Original Declaration shall remain in effect and applicable to all properties described therein and herein. To the extent of any

inconsistency between the Original Declaration and this Amendment, this Amendment shall control.

IN WITNESS WHEREOF, each party to this Amendment to Easement and Road Maintenance Declaration has caused it to be executed on the date first set forth above.

BRENT L. WECKER

ANGELA D. WECKER

STATE OF _____)
) ss.
County of _____)

On this _____ day of _____, 2021, before me, the undersigned, a Notary Public in and for said State, personally appeared BRENT L. WECKER and ANGELA D. WECKER, known to me to be the persons whose names are subscribed to the within and foregoing instrument and acknowledged to me that they executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year first above written.

NOTARY PUBLIC FOR _____
Residence:
My Commission Expires:

*SEAL

MARK SATTERWHITE

TAMMY SATTERWHITE

STATE OF _____)
County of _____) ss.

On this _____ day of _____, 2021, before me, the undersigned, a Notary Public in and for said State, personally appeared MARK SATTERWHITE and TAMMY SATTERWHITE, known to me to be the persons whose names are subscribed to the within and foregoing instrument and acknowledged to me that they executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year first above written.

NOTARY PUBLIC FOR _____
Residence:
My Commission Expires:

*SEAL

CARMELO VILLA-LOPEZ

STATE OF _____)
County of _____) ss.

On this _____ day of _____, 2021, before me, the undersigned, a Notary Public in and for said State, personally appeared CARMELO VILLA-LOPEZ, known to me to be the person whose name is subscribed to the within and foregoing instrument and acknowledged to me that they executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year first above written.

NOTARY PUBLIC FOR _____
Residence:
My Commission Expires:

*SEAL

List of Exhibits:

Exhibit A – D (legal descriptions of all lots on Parcel 3)

2019-018821
RECORDED
05/03/2019 03:24 PM
CHRIS YAMAMOTO
CANYON COUNTY RECORDER
Pgs=1 DLSTEPHENS \$15.00
TYPE: DEED
ALLIANCE TITLE - BOISE PRODUCTION
ELECTRONICALLY RECORDED

WARRANTY DEED

Alliance Title & Escrow Corp. Order No.:428777

FOR VALUE RECEIVED

Edmond E. Murrell and Kimberly A. Murrell, husband and wife

the grantor(s), do(es) hereby grant, bargain, sell and convey unto

Mark Satterwhite and Tammy Satterwhite, husband and wife

whose current address is

**1484 Hill Road
Melba, ID 83641**

the grantee(s), the following described premises, in Canyon County, Idaho, TO WIT:

Lot 4 in Block 1 of Murrell Subdivision, according to the official plat thereof, filed in Book 45 of Plats at Page(s) 32, records of Canyon County, Idaho.

TO HAVE AND TO HOLD the said premises, with their appurtenances unto the said Grantee, heirs and assigns forever. And the said Grantor does hereby covenant to and with the said Grantee(s), that (s)he is/are the owner(s) in fee simple of said premises; that they are free from all encumbrances Except: Current Year Taxes, conditions, covenants, restrictions, reservations, easements, rights and rights of way, apparent or of record.

And that (s)he will warrant and defend the same from all lawful claims whatsoever.

Dated: April 30, 2019

Edmond E. Murrell
Edmond E. Murrell

Kimberly A. Murrell
Kimberly A. Murrell

State of Washington } ss
County of CLARK }

On this 2 day of MAY, 2019, before me, the undersigned, a Notary Public in and for said state, personally appeared Edmond E. Murrell and Kimberly A. Murrell, known or identified to me to be the person(s) whose name(s) is/are subscribed to the within Instrument and acknowledged to me that he/she/they executed same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate first above written.

Bobbie JH Morris
Notary Public for the State of Washington
Residing at: Amms WA
Commission Expires: 04/22/2021



**Storm Drainage Master
for
Bad River Subdivision**

**Owner: Tammy Satterwhite
1484 Hill Road
Melba, ID 83641**



Professional Engineers, Land Surveyors and Planners
924 3rd St. So., Suite B, Nampa, ID 83651
Ph (208) 454-0256 Fax (208) 467-4130

Job No. JN0621

Date: October 28, 2021

William J. Mason
A circular professional engineer license seal for the State of Idaho. The seal contains the text 'PROFESSIONAL ENGINEER LICENSED', '9212', 'STATE OF IDAHO', and 'WILLIAM J. MASON'. The seal is stamped over a handwritten signature of William J. Mason.
October 28, 2021

CALCULATION METHODOLOGY

FLOW CALCULATIONS

Flow for the basin areas are calculated using the Rational Method. The "C" coefficient used in the calculations is based on weighted values as shown. Conveyance facilities are designed for a 25-year return frequency storm and the worst case condition between 10 minutes and 1 hour. The worst case storm for flow is the 10-minute duration.

HYDRAULIC GRADE CALCULATIONS

These calculations employ the Manning Equation. The hydraulic grade is based on calculated flow.

EQUATIONS USED IN CALCULATIONS

RATIONAL METHOD

$$Q=CiA$$

where: Q = Runoff Rate, cfs
C = Runoff Coefficient
i = Storm Intensity, in./hr.
A = Basin Area(s), acres

MANNING EQUATION

$$V=1.49R^{2/3}S^{1/2} / n$$

where: V = Velocity, fps
R = Hydraulic Radius, ft.
S = Channel Slope, ft./ft.
n = Manning Roughness Coefficient

RETENTION BASIN AREA 1
WORST CASE STORM VOLUME, 100-yr

BASIN AREA	1.37	acres
RUNOFF COEFFICIENT (C)	0.44	weighted "c" factor
PERCOLATION RATE	0.50	in/hr
PERCOLATION AREA	7854	sf
VOID VOLUME	0	cf
SWALE VOLUME	5498	cf
OFFSITE DISCHARGE	0	cfs

DURATION (min)	DURATION (hrs)	100 YR INTENSITY* (in/hr)	PEAK FLOW (cfs)	PEAK LESS DISCH. (cfs)	FLOW VOLUME (cf)	1.15 X FLOW VOLUME (cf)	PERC VOLUME (cf)	SWALE & POND		ADDITIONAL VOLUME NECESSARY (cf)
								NECESSARY (cf)	PROVIDED (cf)	
10	0.17	3.11	1.875	1.875	1,125	1,294	55	1,239	5,552	0
15	0.25	2.62	1.579	1.579	1,421	1,635	82	1,553	5,580	0
30	0.50	1.82	1.097	1.097	1,975	2,271	164	2,107	5,661	0
60	1.00	1.15	0.893	0.693	2,496	2,870	327	2,543	5,825	0
120	2.00	0.66	0.398	0.398	2,865	3,294	655	2,640	6,152	0
180	3.00	0.48	0.289	0.289	3,125	3,594	982	2,612	6,480	0
360	6.00	0.30	0.181	0.181	3,906	4,492	1964	2,529	7,461	0
720	12.00	0.19	0.115	0.115	4,948	5,690	3927	1,763	9,425	0
1440	24.00	0.12	0.072	0.072	6,250	7,187	7854	0	13,352	0

* Intensity based on Exhibit A, Nampa Stormwater Policy

RETENTION DESIGN BASIN

TOTAL STORAGE REQ'D=	2,870	cf (worst case design flow + 15%)
WORST CASE STORM DURATION	60	minutes
PERCOLATION	0.50	in/hr
OFFSITE DISCHARGE	0.00	cfs

SWALE VOLUME CALCULATION

SWALE TOP WATER AREA=	15708	sf
SWALE BOTTOM AREA=	0	sf
SWALE INFILTRATION AREA AVE.=	7854	sf
SWALE DEPTH=	0.7	ft

SWALE STORAGE = 5498 cf
 SWALE INFILTRATION = 327 cf

PIPE VOLUME CALCULATION

PIPE AREA 24" DIA=	3.14	sf
PIPE LENGTH=	15	ft
PIPE BARRELS=	0.00	

PIPE STORAGE = 0 cf

INFILTRATION BED CALCULATION

INFILTRATION AREA =	0	sf
ROCK BED DEPTH =	0	ft
SAND BED DEPTH =	3	ft
VOID SPACE IN SAND=	25%	
VOID SPACE IN DRAIN ROCK=	40%	
PERCOLATION RATE =	0.50	in/hr

	W	L
ROCK	0	0
SAND	0	0

VOLUME IN VOIDS = 0 cf
 PERCOLATION VOLUME = 0 cf

INFILTRATION BED STORAGE = 0 cf

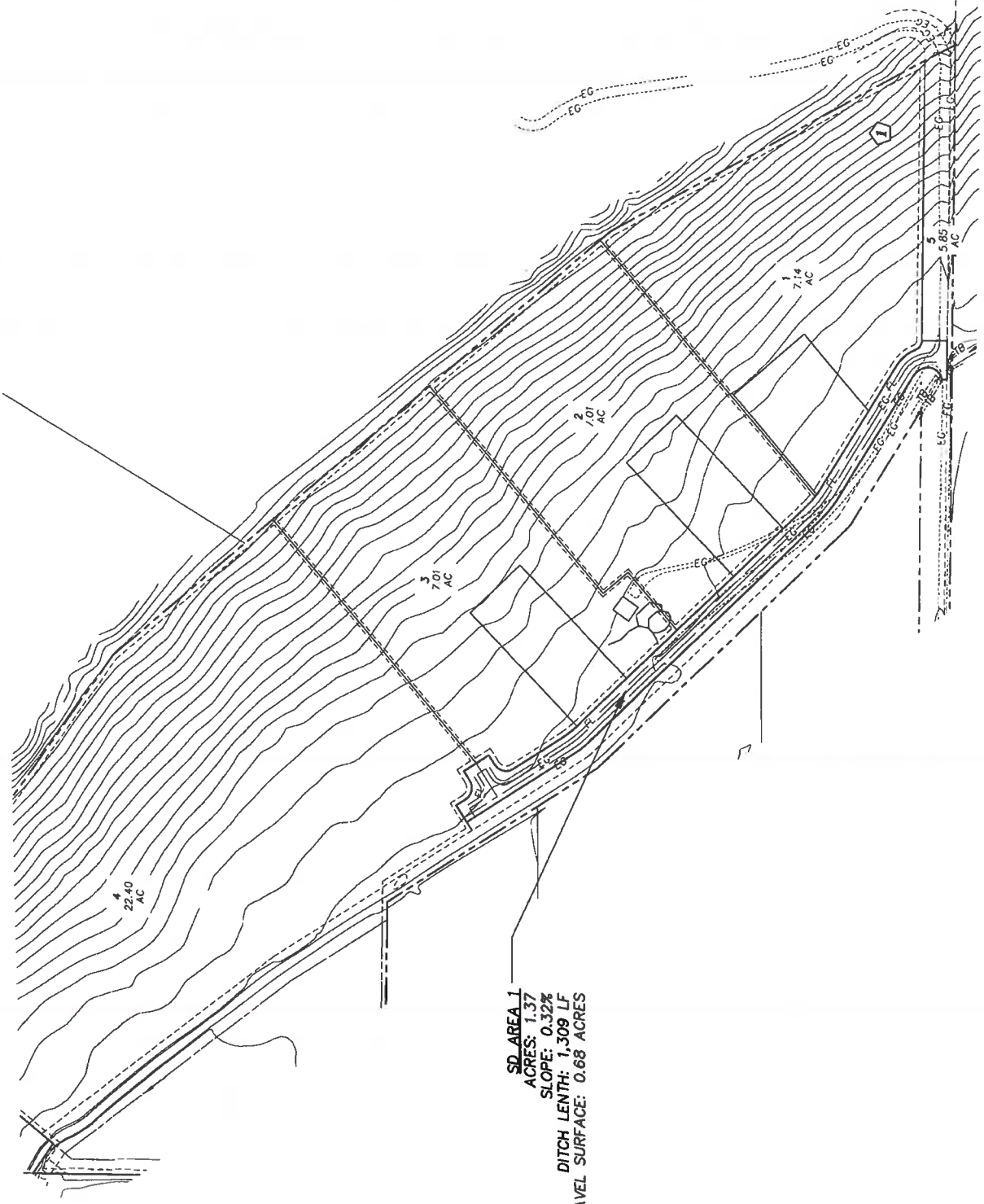
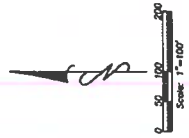
TOTAL STORED VOLUME = 5825 cf
 > 2870 cf

THEREFORE STORAGE IS ADEQUATE

TIME REQUIRED TO DISSIPATE VOLUME
 TIME = 5 hours



DRAWING TITLE: BAD RIVER SUBDIVISION		JOB NO. 120821	CLIENT: TAMMY SATTERWHITE	DATE: 12/28/21	NO. BY	DATE	DESCRIPTION
STORM DRAIN AREAS		SCALE: 1"=100'	DATE: 1/10/22	PROJECT: 1484 HILL ROAD MILWAUKEE, WI 53241 (202) 382-0750	PROJECT: 1484 HILL ROAD MILWAUKEE, WI 53241 (202) 382-0750	DATE: 12/28/21	DESCRIPTION
SHEET NO. 1 OF 1 SHEETS		REV. 1	DATE: 1/10/22	PROJECT: TAMMY SATTERWHITE	PROJECT: TAMMY SATTERWHITE	DATE: 12/28/21	DESCRIPTION
PROJECT: TAMMY SATTERWHITE		PROJECT: TAMMY SATTERWHITE	PROJECT: TAMMY SATTERWHITE	PROJECT: TAMMY SATTERWHITE	PROJECT: TAMMY SATTERWHITE	PROJECT: TAMMY SATTERWHITE	PROJECT: TAMMY SATTERWHITE



SD AREA 1
 ACRES: 1.37
 SLOPE: 0.32%
 DITCH LENGTH: 1,309 LF
 GRAVEL SURFACE: 0.68 ACRES

SUBDIVISION WORKSHEET

CANYON COUNTY DEVELOPMENT SERVICES DEPARTMENT

111 North 11th Avenue, #140, Caldwell, ID 83605

www.canyonco.org/dsd.aspx Phone: 208-454-7458 Fax: 208-454-6633



GENERAL

1. HOW MANY LOTS ARE YOU PROPOSING?

Residential (4) 3 new Non-buildable _____ Common private road

2. AVERAGE LOT SIZE OF THE RESIDENTIAL PARCELS

7 acres ACRES

IRRIGATION

1. IRRIGATION WATER IS PROVIDED VIA:

Irrigation Well Surface Water

2. WHAT PERCENTAGE OF THE PROPERTY HAS WATER? _____%

3. HOW MANY INCHES OF WATER ARE AVAILABLE TO PROPERTY? _____

4. HOW DO YOU PLAN TO RETAIN STORM AND EXCESS WATER ON EACH LOT?

Swales

5. HOW DO YOU PLAN TO PROCESS STORM WATER / EXCESS IRRIGATION WATER PRIOR TO IT ENTERING THE ESTABLISHED DRAINAGE SYSTEM?

Swales - to be retained on individual parcels
filtration through vegetation

ROADS

1. ROADS WITHIN THE DEVELOPMENT WILL BE:

Public Private N/A

* Private Road names must be approved by the County and the private road application submitted with the Preliminary Plat*

HILLSIDE DEVELOPMENT

1. OF THE TOTAL LOTS REQUESTED, HOW MANY OF THE LOTS WILL CONTAIN SLOPES GREATER THAN 15%?

Residential 0 Non-Buildable _____ Common _____

2. WILL THE PROPOSED ROAD (S) BE LOCATED WITHIN ANY AREA THAT HAS SLOPES GREATER THAN 15%?

YES NO

*If YES, a grading plan is required.

SUBDIVISION WORKSHEET

CANYON COUNTY DEVELOPMENT SERVICES DEPARTMENT

111 North 11th Avenue, #140, Caldwell, ID 83605

www.canyonco.org/dsd.aspx Phone: 208-454-7458 Fax: 208-454-6633



SUBDIVISIONS WITHIN AN AREA OF CITY IMPACT *N/A*

1. **WILL YOU BE REQUESTING WAIVERS OF SUBDIVISION IMPROVEMENT REQUIREMENTS FROM THE CITY?**

YES NO

2. **IF YES, WHICH WAIVERS WILL YOU BE REQUESTING?**

CURBS GUTTERS SIDEWALKS STREETLIGHTS LANDSCAPING

IRRIGATION PLAN APPLICATION

CANYON COUNTY DEVELOPMENT SERVICES DEPARTMENT

111 North 11th Avenue, #140, Caldwell, ID 83605

www.canyonco.org/dsd.aspx Phone: 208-454-7458 Fax: 208-454-6633



Applicant(s) Tammy + Mark Satterwhite
Name _____ Daytime Telephone Number _____
1484 Hill Rd Melba ID 83641
Street Address _____ City, State _____ Zip _____

Representative Name Mason + Associates Inc (208) 454-0256 wmason@masonandassociates.us
Daytime Telephone Number / E-mail Address _____
924 3rd street S, Ste B Nampa ID 83651
Street Address _____ City, State _____ Zip _____

Location of Subject Property: 1484 Hill Rd, Melba ID
Two Nearest Cross Streets or Property Address _____ City _____

Assessor's Account Number(s): R 28608103 Section 27 Township 1N Range 2W

This land:

- Has water rights available to it.
- Is dry and has no water rights available to it. If dry, please sign this document and return to the Development Services Department representative from whom you received it.

Idaho Code 31-3805 states that when all or part of a subdivision is "located within the boundaries of an existing irrigation district or canal company, ditch association, or like irrigation water delivery entity ... **no subdivision plat or amendment to a subdivision plat or any other plat or may recognized by the city or county for the division of land will be accepted, approved, and recorded unless:**"

- a. The appropriate water rights and assessment of those water rights have been transferred from said lands or excluded from an irrigation entity by the owner; or
- b. The owner, person, firm, or corporation filing the subdivision plat or amendment to a subdivision plat or map has provided underground tile or conduit for lots of one (1) acre or less, or a suitable system for lots of more than one (1) acre which will deliver water to those land owners within the subdivision who are also within the irrigation entity with the appropriate approvals:
 1. For proposed subdivisions located within negotiated area of city impact, both city and county zoning authorities must approve such irrigation system in accordance with Idaho Code Section 50-1306. In addition, the irrigation entity charged with the delivery of water to said lands must be advised regarding the irrigation system.

2. For proposed subdivisions outside of negotiated areas of city impact, the delivery system must be approved by the Planning and Zoning Commission and the Board of County Commissioners with the advice of the irrigation entity charged with the delivery of water to said lands.

To better understand your irrigation request, we need to ask you a few questions. A list of the map requirements follows the short questionnaire. **Any information missing information may result in the delay of your request before the Planning and Zoning Commission and ultimately the approval of your irrigation plan by the Board of County Commissioners.**

1. Are you within an area of negotiated City Impact? _____ Yes No
If yes, please include a copy of approvals by the City Planning & Zoning Commission and City Council of your Irrigation Plan.

2. What is the name of the irrigation and drainage entities servicing the property?

Irrigation: Boise Kuna

Drainage: _____

3. How many acres is the property being subdivided? 3 7 acre parcels

4. What percentage of this property has water? _____

5. ^{Volume} How many inches of water are available to the property? 48.89 acre feet

6. How is the land currently irrigated? Surface Irrigation Well
 Sprinkler Above Ground Pipe Underground Pipe
7. How is the land to be irrigated after it is subdivided? Surface Irrigation Well
 Sprinkler Above Ground Pipe Underground Pipe

8. Please describe how the head gate/pump connects to the canal and irrigated land and where ditches and/or pipes go.

6 acres of each 7 acre parcel will remain farm ground and be irrigated as it always has.

9. Are there irrigation easement(s) on the property? Yes No

10. How do you plan to retain storm and excess water on each lot?

with swales

11. How do you plan to remove the storm water /excess irrigation water prior to it entering the established drainage system? (i.e. oil, grease, contaminated aggregates)

swales - filtration through vegetation.

Irrigation Plan Map Requirements

The irrigation plan **must be on a scalable map** and show all of the irrigation system including all supply and drainage structures and easements. Please include the following information on your map:

- 1 All canals, ditches, and laterals with their respective names.
- 2 Head gate location and/or point of delivery of water to the property by the irrigation entity.
- 3 Rise locations and types, if any.
- 4 Easements of all private ditches that supply adjacent properties (i.e. supply ditches and drainage ways).
- 5 Slope of the property in various locations.
- 6 Direction of water flow (use short arrows → on your map to indicate water flow direction).
- 7 Direction of wastewater flow (use long arrows -----→ on your map to indicate wastewater direction).
- 8 Location of drainage ponds or swales, anywhere wastewater will be retained on the property.
- 9 Other information: _____

Also, provide the following documentation:

- Copy of any water users' association / agreement (s) that are currently in effect, which outlines water schedules and maintenance responsibilities.

Boise-Kuna Irrigation District

P.O. Box 330
129 North School Ave
Kuna, ID 83634 (208) 922-5608

November 02, 2020

Acct. No.: 836

Acres: 48.89

Address:

1484 Hill Rd
Melba, ID 83641-0000

Legal Description:

Lt 4
Murrell Sub
Sec. 27 1N 2W

Mark Satterwhite
1484 Hill Rd
Melba, ID 83641-0000

Delinquent Payment

Acct. No.: 836

Name: Mark Satterwhite

Date Due: Dec 20, 2020

Amount: 0.00

Boise-Kuna Irrigation District

Delinquencies

Delinquency (Must be paid in Full)	0.00
Filing Fees	0.00
Interest due as of 12/20/2020	0.00
Total, Delinquencies:	0.00

Fall Payment

Acct. No.: 836

Name: Mark Satterwhite

Date Due: Dec 20, 2020

Amount: 105.56

First half becomes delinquent if not paid on or before December 20th

Boise-Kuna Irrigation District

Fall Assessment

2019 - Unpaid Excess	0.00
2020 - Unpaid Toll	0.00
2020 - PUIS 400.00 per acre	0.00
2020 - District Assessment 1.75 per acre	85.56
2020 - Assessment Expense Fund 20.00 per acct	20.00
Total, Fall Assessment:	105.56

Spring Payment

Spring Assessment

2020 - Excess @ \$ 18.40 per acre ft.	0.00
2021 - Toll @ \$ 69.00 per acre	3,373.41
**** Power Credit \$ 19.00 per acre	-928.91
Total, Spring Assessment:	2,444.50

TOTAL AMOUNT DUE: 2,550.06

pd 4/19/21

att 6405

A penalty of 2% is added to the delinquent amount and the total amount bears interest of 1% per month (12% per annum) until paid. NO WATER DELIVERY WILL BE MADE UNTIL PAID IN FULL. NO FURTHER NOTICE OF AMOUNT DUE WILL BE SENT. Checks accepted only subject to final payment thereof.

Thank You!

Canyon County Development Services
111 N. 11th Ave. Room 140, Caldwell, ID 83605
(208) 454-7458

Building Division Email: buildinginfo@canyonco.org

Planning Division Email: zoninginfo@canyonco.org

Receipt Number: 72674

Date: 1/27/2022

Date Created: 1/27/2022 **Receipt Type:** Normal Receipt **Status:** Active
Customer's Name: Tenaya Loening
Comments: SD2022-0005 location 1484 Hill Rd Melba

CHARGES

<u>Item Being Paid For:</u>	<u>Application Number:</u>	<u>Amount Paid:</u>	<u>Prevs Pymnts:</u>	<u>Unpaid Amnt:</u>
Planning - Combining Preliminary and Final Plats	SD2022-0005	\$1,680.00	\$0.00	\$0.00
Planning - Combining Preliminary and Final Plats Additional Per Lot Fee (Per Application)	SD2022-0005	\$50.00	\$0.00	\$0.00

Sub Total: \$1,730.00

Sales Tax: \$0.00

Total Charges: \$1,730.00

PAYMENTS

<u>Type of Payment:</u>	<u>Check/Ref Number:</u>	<u>Amount:</u>
Check	1514	\$1,730.00

Total Payments: \$1,730.00

ADJUSTMENTS

Receipt Balance: \$0.00



Professional Engineers, Land Surveyors and Planners

924 3rd St. So. Nampa, ID 83605
Ph (208) 454-0256 Fax (208) 467-4130

SUBDIVISION ENGINEERING REPORT

FOR

BAD RIVER SUBDIVISION

**A RE-PLAT OF LOT 4 BLOCK 1 OF MURRELL SUBDIVISION, BOOK 45 PAGE 32,
Located in a part of the N 1/2 SE 1/4 AND A PART OF THE S 1/2 NE 1/4,
SECTION 27, T. 1 N., R. 2 W., B.M.,
CANYON COUNTY, IDAHO
2022**

William J. Mason

A circular professional engineer seal for the State of Idaho. The outer ring contains the text 'PROFESSIONAL ENGINEER' at the top and 'STATE OF IDAHO' at the bottom. The inner circle contains 'LICENSED' at the top, the license number '9212' in the center, and 'WILLIAM J. MASON' at the bottom.

January 4, 2022

Description of Project

Bad River Subdivision is located in Canyon County, Idaho, north and east of the City of Melba.

The property is a re-plat of lot 4 block 1 of Murrell Subdivision, book 45 page 32, A part of the N 1/2 SE 1/4 and a part of the S 1/2 NE 1/4, Section 27, T. 1 N., R. 2 W., B.M., Canyon County, Idaho.

The Owner is Mark & Tammy Satterwhite (1484 Hill Road, Melba, ID 83641, (208) 362-0759).

The Area of the subdivision is approximately 49.40 acres with 6 lots, four being residential lots and 2 private road lots. Minimum residential lot size is 7 acres with each having a 1 acre building envelope leaving the balance for agriculture use.

Four (4) single-family building lots contained to 1.0 acre minimum building envelopes are proposed (one house and system is preexisting). Each lot will be 7 acres minimum. Land-use is zoned CR-RR.

Informational Plat Map

A copy of the Informational Plat Map is attached. The map contains the elements required by Southwest District Health Department.

Specifications and maps (8-1/2x11) of each individual lot are attached.

Test Holes

Groundwater was not encountered at the depths the test holes were advanced. This project does not appear to be adversely impacted by high groundwater.

Test hole numbering and lot numbering is as follows: TH# 1-Lot 1, TH# 2-Lot 2 and TH# 3- Lot 3. Test holes used for well & septic were chosen by proximity to the proposed septic system area and acceptable soil composition.

Soils encountered in the selected test pits were judged to be suitable for treatment and disposal of effluent in accordance with the Technical Guidance Manual for Individual and Subsurface Sewage Disposal Systems.

Soil profiles are included on the Information Map and on the individual maps. See attached.

A copy of the NRCS soil map and descriptions are attached.

Standard trench systems are proposed, based upon test hole information.

As shown on the attached maps, adequate area will exist for primary and replacement systems.

In the event the owner or contractor desires to construct the septic drainfield in a different location than the test pit(s) provided for each lot, additional test pits may be required by the Health District to verify the soil and/or groundwater conditions for that location.

Community or Central Subsurface Sewage Disposal System

This is not applicable to this project.

Wells (individual)

As demonstrated on the informational plat map, each lot meets the recommended setbacks for individual wells.

At this time, there appears to be adequate supply of groundwater to meet the domestic needs of the lots in the subdivision. Additional demand should not adversely affect the existing groundwater table.

Water quality in private wells is not monitored by the Health District or other agencies. It is the responsibility of the well owner to ensure that water used for domestic purposes is suitable for consumption and other uses. At the time of this report the Statewide Groundwater Quality Monitoring Program (maintained by the Idaho Department of Water Resources) has been suspended. Well owners and well drillers are advised to test water bearing zones during construction of new wells, and to locate screens and seals to best provide suitable potable water, and to protect cross-contamination between aquifers. Well owners may find additional information on the health effects of contaminants at Southwest District Health Department.

Public Water Systems (community & non-community)

This is not applicable to the project.

Other Items as Needed

At the time of this report, no known hazards to safety (abandoned mine shafts, chemicals, nearby landfills, etc...) exist onsite nor are they known to have historically existed onsite.

STANDARD TRENCH

Designated Areas: **BAD RIVER SUBDIVISION– Lot 1, Block 1**
Requires Extended Treatment Package System to reduce nitrate concentrations. Requires 1' separation installation from rock layer and 2' separation from impermeable layer.

Test Pits: **T.H. No. 1, See attached Septic Drainfield Placement Map**

Soil Design Subgroup: **B-2, Sandy Loam**
0.45 GPD/ft²

Depth to normal high groundwater from existing ground surface: **>10'**

SIZING REQUIREMENTS:

Depth of system: In accordance with the technical guidance manual.

Number of bedrooms: **Three (3) single family residential @ 250 gpd/unit.**

Total trench area: **556 square feet**

Number of bedrooms: **Four (4) single family residential @ 300 gpd/unit.**

Total trench area: **667 square feet**

The finished grade of gravel over the drain pipe shall be covered with geotextile or an equivalent as shown in the "Technical Guidance Manual".

A GRAVELESS TRENCH SYSTEM is acceptable as an alternative system.

SEPTIC TANK SIZE REQUIREMENTS:

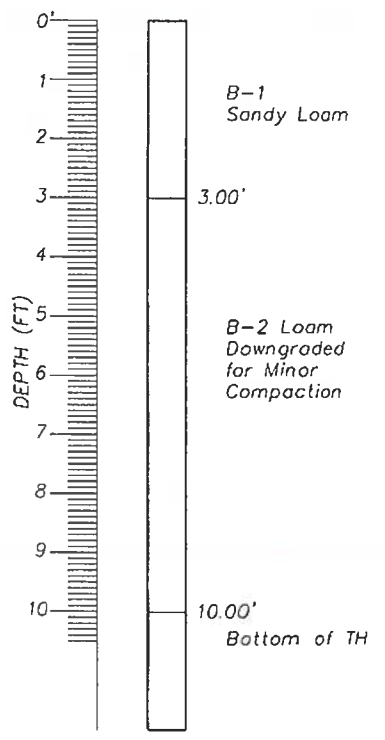
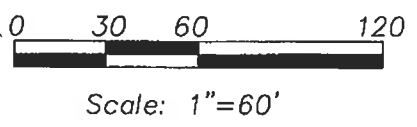
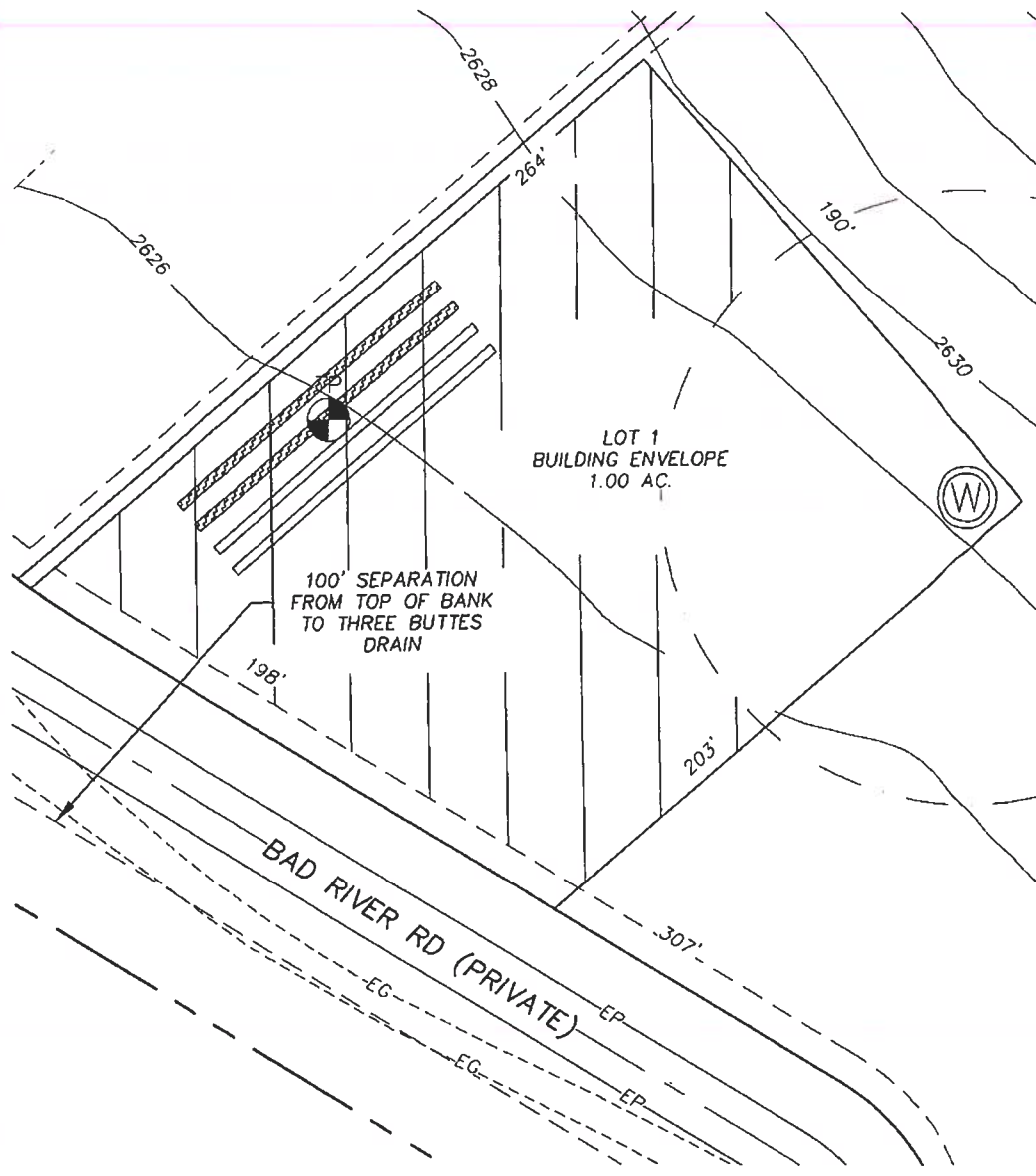
Minimum Liquid Capacity: **1,000 gallons**
Number of bedrooms per lot: **Three (3) or Four (4)**

*Provide for 250 gallon additional liquid capacity for the equivalent of bedrooms numbering more than four (4)

*Notes:

1. Any system serving residences of more than four (4) bedroom single family homes shall have drainfields sized in accordance with the requirements listed under Area Requirements and Total Trench Lengths for Standard Subsurface Sewage Disposal Systems of the Technical Guidance Manual.
2. Restrictions by SWDH: "Lots shall not be reduced in size without prior approval from SWDH."
3. Alternative systems described in the Technical Guidance Manual and approved by the Southwest District Health Staff may be utilized.
4. If hard pan is encountered excavate through hard pan layers and backfill to design depth with ASTM C-33 sand.
5. Adding or removing any soil during development, within areas of septic system, is prohibited without reviewing with SWDH.
6. Any lots being considered for more than 4 bedrooms will require additional Test Holes.
7. **All wells must be located a minimum of 100 feet from septic drainfields, and a minimum of 50 feet from septic tanks.**
8. **Water quality in private wells is not monitored by the Health District or other agencies. It is the responsibility of the well owner to ensure that water used for domestic purposes is suitable for consumption and other uses. At the time of this report, water quality in aquifers in the project vicinity is generally good, with some limitations. Testing data for wells located adjacent to the proposed development, as reported by the Statewide Groundwater Quality Monitoring Program (maintained by the Idaho Department of Water Resources) are attached. Nitrate levels in these wells tested below the MCL. Well owners and well drillers are advised to test water bearing zones during construction of new wells, and to locate screens and seals to best provide suitable potable water, and to protect cross-contamination between aquifers. Well owners may find additional information on the health effects of arsenic and other contaminants at Southwest District Health Department.**

WELL & SEPTIC AREA PLACEMENT



TEST HOLE 1

LEGEND

- CONTOUR LINE
- AVAILABLE SEPTIC SYSTEM AREA
- 100' WELL SETBACK
- DIRECTION OF SLOPE
- TEST HOLE
- PROPOSED WELL
- PRIMARY SEPTIC SYSTEM
- REPLACEMENT SEPTIC SYSTEM

BAD RIVER SUBDIVISION		
LOT 1 BLOCK 1 WELL & SEPTIC AREA PLACEMENT		
	Professional Engineers, Land Surveyors & Planners	
	921 3rd St South, Nampa, ID 83851 (208) 454-0256 Fax (208) 467-4130	
JOB NO. JN0621	DWG NO. JN0621SEPTIC	
SCALE: 1" = 60'	REV.	
FIELD BOOK NO.		
DRAWN BY: DL	DATE: 12/17/21	SHEET 3 of 3

STANDARD TRENCH

Designated Areas: **BAD RIVER SUBDIVISION– Lot 2, Block 1**
Test Pits: **T.H. No. 2, See attached Septic Drainfield Placement Map**

Soil Design Subgroup: **B-2, Sandy Loam**
0.45 GPD/ft²

Depth to normal high groundwater from existing ground surface: **>10'**

SIZING REQUIREMENTS:

Depth of system: In accordance with the technical guidance manual.

Number of bedrooms: **Three (3) single family residential @ 250 gpd/unit.**

Total trench area: **566 square feet**

Number of bedrooms: **Four (4) single family residential @ 300 gpd/unit.**

Total trench area: **667 square feet**

The finished grade of gravel over the drain pipe shall be covered with geotextile or an equivalent as shown in the "Technical Guidance Manual".

A GRAVELESS TRENCH SYSTEM is acceptable as an alternative system.

SEPTIC TANK SIZE REQUIREMENTS:

Minimum Liquid Capacity: **1,000 gallons**

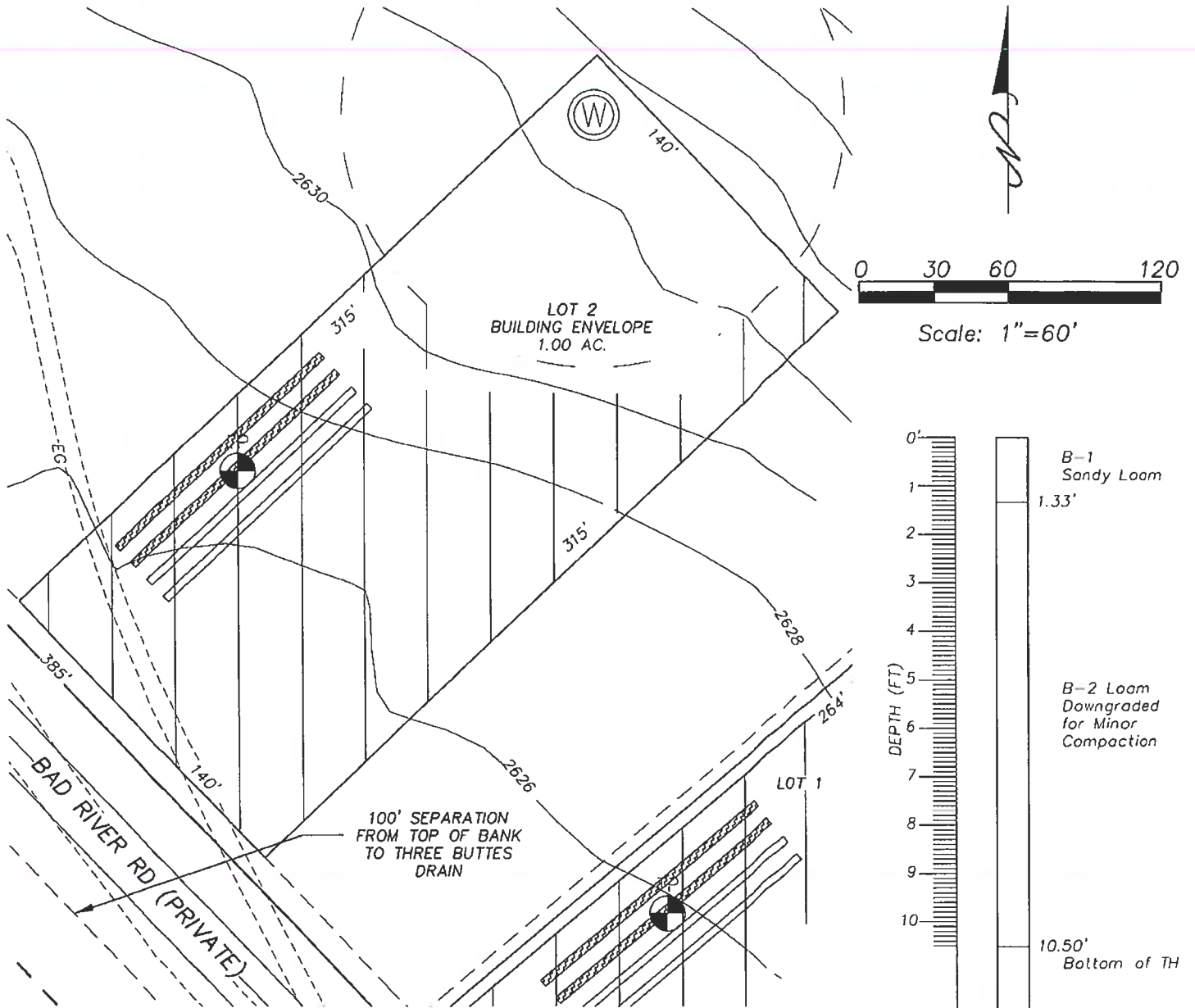
Number of bedrooms per lot: **Three (3) or Four (4)**

*Provide for 250 gallon additional liquid capacity for the equivalent of bedrooms numbering more than four (4)

*Notes:

1. Any system serving residences of more than four (4) bedroom single family homes shall have drainfields sized in accordance with the requirements listed under Area Requirements and Total Trench Lengths for Standard Subsurface Sewage Disposal Systems of the Technical Guidance Manual.
2. Restrictions by SWDH: "Lots shall not be reduced in size without prior approval from SWDH."
3. Alternative systems described in the Technical Guidance Manual and approved by the Southwest District Health Staff may be utilized.
4. If hard pan is encountered excavate through hard pan layers and backfill to design depth with ASTM C-33 sand.
5. Adding or removing any soil during development, within areas of septic system, is prohibited without reviewing with SWDH.
6. Any lots being considered for more than 4 bedrooms will require additional Test Holes.
7. **All wells must be located a minimum of 100 feet from septic drainfields, and a minimum of 50 feet from septic tanks.**
8. **Water quality in private wells is not monitored by the Health District or other agencies. It is the responsibility of the well owner to ensure that water used for domestic purposes is suitable for consumption and other uses. At the time of this report, water quality in aquifers in the project vicinity is generally good, with some limitations. Testing data for wells located adjacent to the proposed development, as reported by the Statewide Groundwater Quality Monitoring Program (maintained by the Idaho Department of Water Resources) are attached. Nitrate levels in these wells tested below the MCL. Well owners and well drillers are advised to test water bearing zones during construction of new wells, and to locate screens and seals to best provide suitable potable water, and to protect cross-contamination between aquifers. Well owners may find additional information on the health effects of arsenic and other contaminants at Southwest District Health Department.**

WELL & SEPTIC AREA PLACEMENT



LEGEND

- CONTOUR LINE
- AVAILABLE SEPTIC SYSTEM AREA
- 100' WELL SETBACK
- DIRECTION OF SLOPE
- TEST HOLE
- PROPOSED WELL
- PRIMARY SEPTIC SYSTEM
- REPLACEMENT SEPTIC SYSTEM

BAD RIVER SUBDIVISION

LOT 2 BLOCK 1 WELL & SEPTIC AREA PLACEMENT

Professional Engineers,
 Land Surveyors
 & Planners
 921 3rd St. South, Nampa, ID 83851
 (208) 454-0256 Fax (208) 457-4130

JOB NO. JN0621	
DWG NO. JN0621SEPTIC	
SCALE: 1" = 60'	REV.
FIELD BOOK NO.	
DRAWN BY: DL	DATE: 12/17/21
SHEET 3 of 3	

STANDARD TRENCH

Designated Areas: **BAD RIVER SUBDIVISION– Lot 3, Block 1**
Test Pits: **T.H. No. 3, See attached Septic Drainfield Placement Map**

Soil Design Subgroup: **B-2, Sandy Loam**
0.45 GPD/ft²
Depth to normal high groundwater from existing ground surface: **>10'**

SIZING REQUIREMENTS:

Depth of system: In accordance with the technical guidance manual.

Number of bedrooms: **Three (3) single family residential @ 250 gpd/unit.**

Total trench area: **566 square feet**

Number of bedrooms: **Four (4) single family residential @ 300 gpd/unit.**

Total trench area: **667 square feet**

The finished grade of gravel over the drain pipe shall be covered with geotextile or an equivalent as shown in the "Technical Guidance Manual".

A GRAVELESS TRENCH SYSTEM is acceptable as an alternative system.

SEPTIC TANK SIZE REQUIREMENTS:

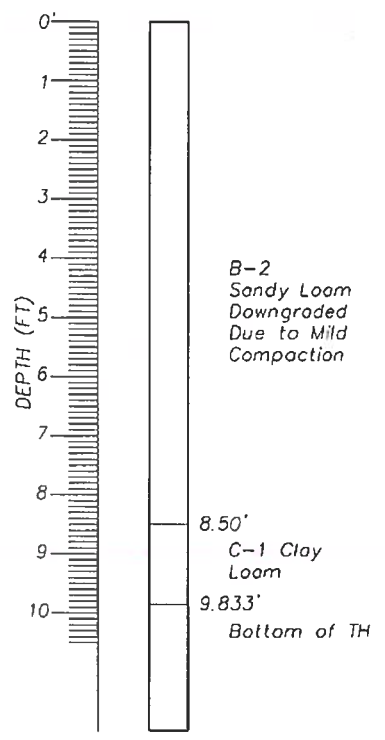
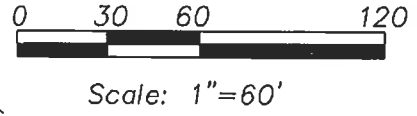
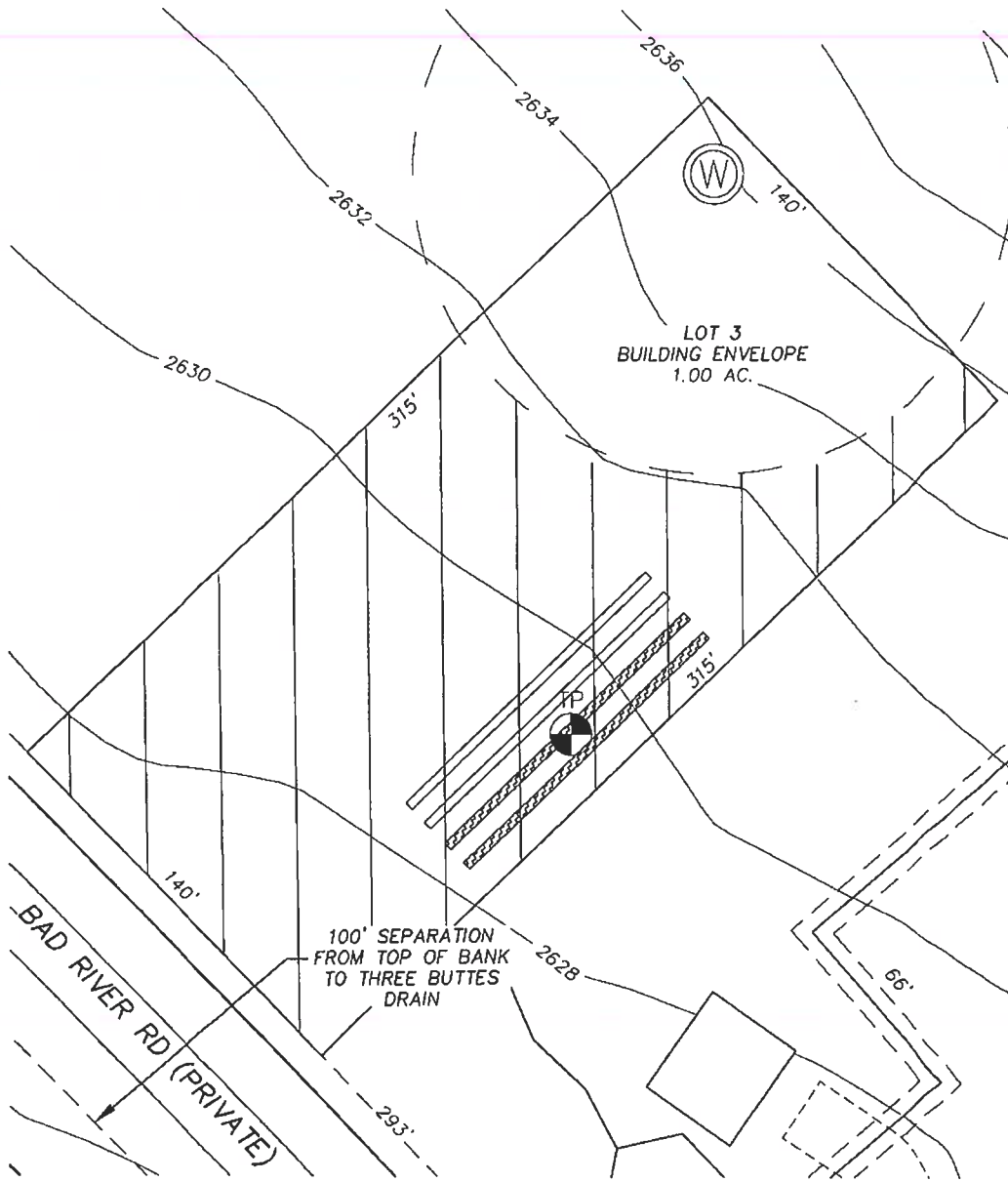
Minimum Liquid Capacity: **1,000 gallons**
Number of bedrooms per lot: **Three (3) or Four (4)**

*Provide for 250 gallon additional liquid capacity for the equivalent of bedrooms numbering more than four (4)

*Notes:

1. Any system serving residences of more than four (4) bedroom single family homes shall have drainfields sized in accordance with the requirements listed under Area Requirements and Total Trench Lengths for Standard Subsurface Sewage Disposal Systems of the Technical Guidance Manual.
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WELL & SEPTIC AREA PLACEMENT



TEST HOLE 3

LEGEND

- CONTOUR LINE
- AVAILABLE SEPTIC SYSTEM AREA
- 100' WELL SETBACK
- DIRECTION OF SLOPE
- TEST HOLE
- PROPOSED WELL
- PRIMARY SEPTIC SYSTEM
- REPLACEMENT SEPTIC SYSTEM

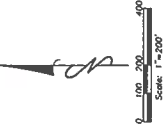
BAD RIVER SUBDIVISION		
LOT 3 BLOCK 1 WELL & SEPTIC AREA PLACEMENT		
	Professional Engineers, Land Surveyors & Planners	
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JOB NO.	JN0621	
DWG NO.	JN0621SEPTIC	
SCALE:	1" = 60'	REV.
FIELD BOOK NO.		
DRAWN BY:	DATE:	SHEET
DL	12/17/21	3 of 3

ENGINEERING REPORT
BAD RIVER SUBDIVISION Lot 4 Block 1
Sheet 1 of 1

Designated Areas: **BAD RIVER – Lot 4, Block 1**
Test Pits: **N/A – Existing House and System**

BAD RIVER SUBDIVISION SUBDIVISION ENGINEERING REPORT SEPTIC PLACEMENT MAP

A RE-PLAT OF LOT 4 BLOCK 1 OF MURRELL SUBDIVISION, BOOK 45 PAGE 32,
SECTION 27, T. 1 N., R. 2 W., B.L.M.,
CANTON COUNTY, IDAHO
2021

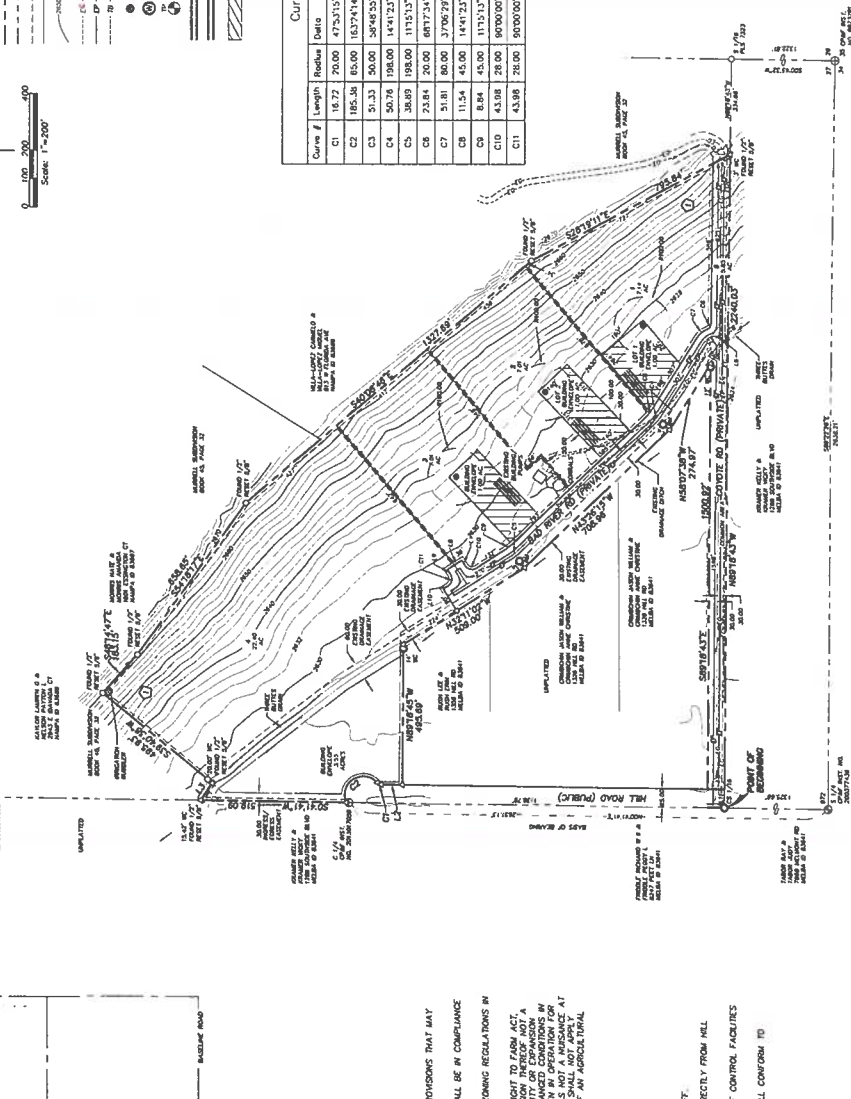


- ### LEGEND
- Calculated point
 - Proposed septic system
 - Found boxes cap monument
 - Found 5/8 inch dia. iron pin
 - Found 1/2 inch dia. iron pin
 - Witness Corner
 - Dead line
 - Section line
 - Easement line
 - Lot line
 - Contour line
 - Edge of Gravel Road
 - Edge of Pavement
 - Top Bank of Drain
 - Irrigation Ditch
 - Proposed Well
 - Feet Hole
 - Primary Septic System
 - Replacement Septic System
 - Available Septic System Area

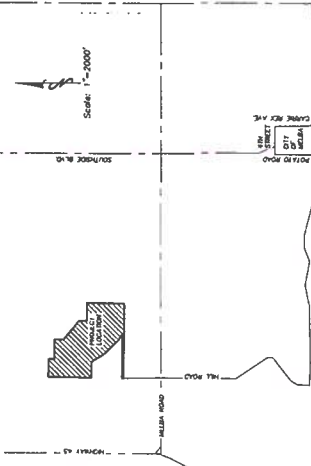
Curve #	Length	Radius	Delta	Chord Direction	Chord Length	Tangent
C1	16.72	70.00	47°53'15"	S24°58'19"W	16.23	8.88
C2	185.36	80.00	163°27'44"	N33°39'11"W	128.64	445.67
C3	51.33	50.00	58°48'55"	N28°37'11"W	49.10	28.19
C4	50.78	198.00	14°41'25"	S69°46'57"E	50.63	29.52
C5	38.89	198.00	11°53'13"	S37°48'39"E	38.83	19.51
C6	23.84	20.00	88°17'34"	S53°09'54"E	22.45	13.58
C7	51.81	80.00	37°06'29"	N23°24'24"W	50.91	28.85
C8	11.54	45.00	14°41'25"	S69°46'57"E	11.51	5.80
C9	8.84	45.00	11°53'13"	S37°48'39"E	8.82	4.43
C10	43.08	28.00	90°00'00"	S12°46'38"W	39.60	28.00
C11	43.98	28.00	90°00'00"	S77°11'02"E	39.60	28.00

Parcel Line Table

Line #	Length	Direction
L1	80.00	S24°58'19"W
L2	73.64	S24°58'19"W
L3	73.68	N33°39'11"W
L4	30.75	N33°39'11"W
L5	30.15	N28°37'11"W
L6	13.01	S28°37'11"W
L7	22.00	N37°48'39"E
L8	60.00	N37°48'39"E
L9	22.00	N37°48'39"E
L10	22.00	N37°48'39"E
L11	50.00	N37°48'39"E



Stamp: 3212
Professional Engineer
IDAHO
January 6, 2022

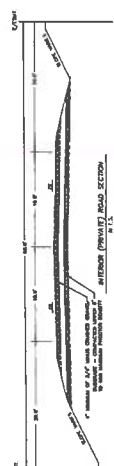


OWNER/DEVELOPER
TAMMY SATTERWHITE
1484 HILL ROAD
MELBA, ID 83841
(208) 302-0759

ENGINEER/SURVEYOR
DAVID W. WELLS, INC.
204 W. 5th St. S.C. B
MELBA, ID 83841
(208) 604-0256

PROJECT NARRATIVE

1. SEE DWA 31-007 & ORD-00-010
2. EXISTING ZONE CR-R
3. NO. OF LOTS IS 6, 4 RESIDENTIAL LOTS AND 2 PRIVATE ROAD LOTS.
4. AREA- 18.40 ACRES
5. MINIMUM LOT SIZE: 7 ACRES.
6. THE DEVELOPMENT RECOMMENDS SECTION 22-6023 OF THE BOARD CODE, RIGHT TO FARM ACT, BEING APPLIED TO THIS PROJECT.
7. THE DEVELOPMENT RECOMMENDS THE SUBDIVISION SHALL BE IN COMPLIANCE WITH THE LANTON COUNTY STANDARDS FOR THE APPLICABLE ZONE.
8. BOUNDARY SURVEY AND DIMENSIONAL STANDARDS IN THE SUBDIVISION SHALL BE IN COMPLIANCE WITH THE LANTON COUNTY STANDARDS FOR THE APPLICABLE ZONE.
9. ANY RE-SUBDIVISION OF THIS PLAT SHALL COMPLY WITH THE APPLICABLE ZONING REGULATIONS IN EFFECT TO THE TIME OF THE RE-SUBDIVISION.
10. THE DEVELOPMENT RECOMMENDS SECTION 22-6023 OF THE BOARD CODE, RIGHT TO FARM ACT, BEING APPLIED TO THIS PROJECT.
11. INDIVIDUAL PRIVATE WELLS WILL BE INSTALLED BY HOMEOWNER.
12. UTILITY, IRRIGATION AND DRAINAGE EASEMENTS TO BE PROVIDED SUBDIVISION BOUNDARY, 10 FEET
13. ACCESS TO ANY DWELLING UNIT CONSTRUCTED UPON LOT 4 SHALL BE DIRECTLY FROM HILL ROAD.
14. PROJECT WILL NOT CREATE SIGNIFICANT AMOUNTS OF STORM WATER RUNOFF.
15. ACCESS TO ANY DWELLING UNIT CONSTRUCTED UPON LOT 4 SHALL BE DIRECTLY FROM HILL ROAD.
16. ANY ACCESS TO AND FROM THESE LOTS BY THE HOSE PROJECT BOARD OF CONTROL FACILITIES SHALL BE SUBJECT TO DWA 31-007, TITLE 24-200
17. WORK DONE WITHIN THE HAMBRA HIGHWAY DISTRICT #1 RIGHT-OF-WAY SHALL CONFORM TO AGRICULTURE STANDARDS.



DRIVING TITLE
BAD RIVER SUBDIVISION
SUBDIVISION ENGINEERING REPORT
SEPTIC PLACEMENT MAP
SHEET NO. 1 OF 1 SHEETS
Rev
FIELD BOOK NO.
DATE
SCALE
Dwg. No. A-923152-21
JOB NO. A-9231

TAMMY SATTERWHITE
1484 HILL ROAD
MELBA, ID 83841
(208) 302-0759
Mason & Associates
Professional Engineers
1484 Hill Road
Melba, ID 83841
A-923152-21
Rev
FIELD BOOK NO.
DATE
SCALE
Dwg. No. A-923152-21
JOB NO. A-9231

NO.	BY	DATE	DESCRIPTION

APPENDIX

A. Well Driller's Reports

B. Soil Types

Well Driller's Reports

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Office Use Only		
Well ID No.	_____	
Inspected by	_____	
Twp	Rge	Sec
_____	1/4	1/4 1/4
Lat: _____	Long: _____	_____

1. WELL TAG NO. D 0029166
 DRILLING PERMIT NO. _____
 Water Right or Injection Well No. _____

7941040

12. WELL TESTS:

Pump Bailor Air Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
<u>50</u>		<u>248'</u>	<u>5 hrs.</u>

Water Temp. _____ Bottom hole temp. _____

Water Quality test or comments: good clear color
 Depth first Water Encounter 223'

2. OWNER:
 Name Chuck Mellon Const.
 Address 6771 N. Bogart Ln.
 City Boise State Id Zip 86703

3. LOCATION OF WELL by legal description:

You must provide address or Lot, Blk, Sub. or Directions to well.
 Twp. 1 North or South
 Rge. 2 East or West
 Sec. 27 NW 1/4 SE 1/4 160 acres
 Gov't Lot _____ County Canyon
 Lat: _____ Long: _____
 Address of Well Site 1356 Hill Rd. City Melba
(Give at least name of road + Distance to Road or Landmark)
 Lt. _____ Blk. _____ Sub. Name _____

13. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Y	N
	10 0	5	Top So. 1		X
	10 5	13	Clay; hard pan		X
	10 13	26	Brn Clay		X
	8 26	312	Solid Lava		X
	8 312	223	Fractured Lava		X
	8 223		Fine/med/Broken Lava	X	
	8	250	Sand	X	

4. USE:
 Domestic Municipal Monitor Irrigation
 Thermal Injection Other _____

5. TYPE OF WORK check all that apply (Replacement etc.)
 New Well Modify Abandonment Other _____

6. DRILL METHOD:
 Air Rotary Cable Mud Rotary Other _____

7. SEALING PROCEDURES

Seal Material	From	To	Weight / Volume	Seal Placement Method
<u>Western Bent</u>	<u>0</u>	<u>19</u>	<u>900 lbs</u>	<u>10" overbore</u>

Was drive shoe used? Y N Shoe Depth(s) 228'-1 1/2"
 Was drive shoe seal tested? Y N How? _____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
<u>6</u>	<u>12</u>	<u>228-1 1/2</u>	<u>250</u>	<u>Steel</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Length of Headpipe 10-8 3/4" Length of Tailpipe 0
 Packer Y N Type 3-Rib

9. PERFORATIONS/SCREENS PACKER TYPE

Perforation Method Factory Double Well
 Screen Type & Method of Installation Continuous wound PVC

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
<u>230</u>	<u>250</u>	<u>20</u>	<u>4"</u>		<u>PVC</u>	<input type="checkbox"/>	<input type="checkbox"/>

10. FILTER PACK

Filler Material	From	To	Weight / Volume	Placement Method

11. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

168 ft. below ground Artesian pressure _____ lb.
 Depth flow encountered _____ ft. Describe access port or control devices:
Sani Seal well cap

14. DRILLER'S CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Precision Well & Exc. Firm No. 522

Principal Driller Jeff Lawson Date 3-18-03

Driller or Operator II _____ Date _____

Operator I _____ Date _____

Principal Driller and Rig Operator Required.
 Operator I must have signature of Driller/Operator II.

RECEIVED

MAR 24 2003

WATER RESOURCES
WESTERN REGION

Completed Depth 250' (Measurable)

Date: Started 3-6-03 Completed 3-18-03

RECEIVED

Form 239-7
11/97 JUL 28 1998

IDAHO DEPARTMENT OF WATER RESOURCES

WELL DRILLER'S REPORT 065413

Office Use Only
 Inspected by _____
 Twp _____ Rge _____ Sec _____
 _____ 1/4 _____ 1/4 _____ 1/4
 Lat: : : Long: : :
 Air Flowing Artesian

WATER RESOURCES
WESTERN REGION
1. WELL TAG NO. D 0007222

DRILLING PERMIT NO. 63-98 W 0460 000
Other IDWR No. _____

2. OWNER: Edmond Murrell
Name: Edmond Murrell
Address: 1108 E 2 1/2 St
City: Meridian State: ID Zip: 83642

3. LOCATION OF WELL by legal description:

Sketch map location must agree with written location.

Twp. 1 North or South
 Rge. 2 East or West
 Sec. 27 1/4 SE 1/4 NE 1/4
 Gov't Lot _____ County Canyon
 Lat: _____ Long: _____
 Address of Well Site: 1454 Hill RD
 City: Melba

Lt. _____ Blk. _____ Sub. Name _____

4. USE:
 Domestic Municipal Monitor Irrigation
 Thermal Injection Other _____

5. TYPE OF WORK check all that apply (Replacement etc.)
 New Well Modify Abandonment Other _____

6. DRILL METHOD
 Air Rotary Cable Mud Rotary Other _____

7. SEALING PROCEDURES

SEAL/FILTER PACK Material	AMOUNT		METHOD
	From	To	
Dry Grain Bent + Well Cullings	0	345	500 lb Overbore

Was drive shoe used? N Shoe Depth(s) 552
Was drive shoe seal tested? Y N How? _____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6	+2	552	1/4	Steel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Length of Headpipe 10' Length of Tailpipe 0

9. PERFORATIONS/SCREENS

Perforations _____ Method Wash down
Screens _____ Screen Type Stainless Sand Packed

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
552	567	16			Sand Packed SS	<input checked="" type="checkbox"/>	<input type="checkbox"/>

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

335 ft. below ground Artesian pressure _____ lb.
Depth flow encountered _____ ft. Describe access port or control devices: Sanitary Well Cap

11. WELL TESTS:

Yield gal./min.	Drawdown	Pumping Level	Time
22	NA	515	30 Min
25	NA	535	30 Min

Water Temp. 58° Bottom hole Temp. NA
Water Quality test or comments: Sand free, some iron
3 to 4 Grain Softness Depth first Water Encounter 355'

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Y	N
10	0	5	Sandy Soil		
10	5	12	Broken Layer		
10	12	18	Solid Layer		
8	18	95	Solid Layer		
8	95	97	Broken Layer		
8	97	162	Solid Layer		
8	162	172	Broken with Brn Clay layers		
8	172	345	Broken with Thin Brn Clay layers		
8	345	350	Gravel		
6	350	352	Brn Clay		
6	352	355	Blue Clay		
6	355	356	Blue fine Sand 5 GPM	X	
6	356	445	Blue Clay		
6	445	447	Blue fine Sand 5 GPM	X	
6	447	556	Blue Clay		
6	556	558	fine Blue Sand 20 GPM	X	
6	558	561	Blue Clay		
6	561	567	Blue Clay + Thin sand layers	X	
Picked up a total of 50 GPM from 556 to 567 Sandy					
6	567	600	Blue Clay No water Back Filled to 567		

RECEIVED

MICROFILMED

AUG 04 1998

SEP 23 1998

Department of Water Resources

Completed Depth 567 (Measurable)
Date: Started 7/6/98 Completed 7/27/98

13. DRILLER'S CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Domestic Pump + Drill Firm No. 483

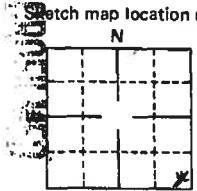
Firm Official _____ Date _____
and _____
Driller or Operator J. Johnson Date 7/27/98

(Sign once if Firm Official & Operator)

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

98.

<p>1. WELL OWNER</p> <p>Name <u>Karen Baicy</u></p> <p>Address <u>Rt. 1 W. King Rd. Kuna, Ida.</u></p> <p>Owner's Permit No. _____</p>	<p>7. WATER LEVEL</p> <p>Static water level <u>126</u> feet below land surface.</p> <p>Flowing? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No G.P.M. flow _____</p> <p>Artesian closed-in pressure _____ p.s.i.</p> <p>Controlled by: <input type="checkbox"/> Valve <input type="checkbox"/> Cap <input type="checkbox"/> Plug</p> <p>Temperature _____ °F. Quality _____</p>																																																																																																																																																																																		
<p>2. NATURE OF WORK</p> <p><input checked="" type="checkbox"/> New well <input type="checkbox"/> Deepened <input type="checkbox"/> Replacement</p> <p><input type="checkbox"/> Abandoned (describe method of abandoning) _____</p>	<p>8. WELL TEST DATA</p> <p><input checked="" type="checkbox"/> Pump <input type="checkbox"/> Bailer <input type="checkbox"/> Air <input type="checkbox"/> Other _____</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>Discharge G.P.M.</th> <th>Pumping Level</th> <th>Hours Pumped</th> </tr> <tr> <td style="text-align: center;">30</td> <td></td> <td style="text-align: center;">24</td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>	Discharge G.P.M.	Pumping Level	Hours Pumped	30		24																																																																																																																																																																												
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<p>3. PROPOSED USE</p> <p><input checked="" type="checkbox"/> Domestic <input type="checkbox"/> Irrigation <input type="checkbox"/> Test <input type="checkbox"/> Municipal</p> <p><input type="checkbox"/> Industrial <input type="checkbox"/> Stock <input type="checkbox"/> Waste Disposal or Injection</p> <p><input type="checkbox"/> Other _____ (specify type)</p>	<p>9. LITHOLOGIC LOG 73533</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Hole Diam.</th> <th colspan="2">Depth</th> <th rowspan="2">Material</th> <th colspan="2">Water</th> </tr> <tr> <th>From</th> <th>To</th> <th>Yes</th> <th>No</th> </tr> </thead> <tbody> <tr><td>8</td><td>0</td><td>2</td><td>Topsoil</td><td></td><td>X</td></tr> <tr><td>8</td><td>2</td><td>6</td><td>Hardpan</td><td></td><td>X</td></tr> <tr><td>8</td><td>6</td><td>13</td><td>Rock</td><td></td><td>X</td></tr> <tr><td>8</td><td>13</td><td>15</td><td>Crevice- lost mud</td><td></td><td>X</td></tr> <tr><td>8</td><td>15</td><td>25</td><td>Rock & cinders</td><td></td><td>X</td></tr> <tr><td>8</td><td>25</td><td>30</td><td>Red cinders</td><td></td><td>X</td></tr> <tr><td>8</td><td>30</td><td>45</td><td>Rock</td><td></td><td>X</td></tr> <tr><td>8</td><td>45</td><td>50</td><td>Red cinders</td><td></td><td>X</td></tr> <tr><td>8</td><td>50</td><td>55</td><td>Cinders</td><td></td><td>X</td></tr> <tr><td>8</td><td>55</td><td>65</td><td>Rock</td><td></td><td>X</td></tr> <tr><td>8</td><td>65</td><td>70</td><td>Sedimentary gunk</td><td></td><td>X</td></tr> <tr><td>8</td><td>70</td><td>80</td><td>Soft rock</td><td></td><td>X</td></tr> <tr><td>8</td><td>80</td><td>100</td><td>Black cinders</td><td></td><td>X</td></tr> <tr><td>8</td><td>100</td><td>105</td><td>Soft rock</td><td></td><td>X</td></tr> <tr><td>8</td><td>105</td><td>110</td><td>Hard rock</td><td></td><td>X</td></tr> <tr><td>8</td><td>110</td><td>130</td><td>Cinders</td><td></td><td>X</td></tr> <tr><td>8</td><td>130</td><td>135</td><td>Rock</td><td></td><td>X</td></tr> <tr><td>8</td><td>135</td><td>145</td><td>Cinders</td><td></td><td>X</td></tr> <tr><td>8</td><td>145</td><td>150</td><td>Rock & cinders</td><td></td><td>X</td></tr> <tr><td>8</td><td>150</td><td>170</td><td>Cinders</td><td>X</td><td></td></tr> <tr><td>8</td><td>170</td><td>175</td><td>Clay & cinders</td><td>X</td><td></td></tr> <tr><td>6</td><td>175</td><td>204</td><td>Course gravel & clay</td><td>X</td><td></td></tr> <tr><td>6</td><td>204</td><td>219</td><td>Muddy sand</td><td>X</td><td></td></tr> <tr><td>6</td><td>219</td><td>221</td><td>Clay</td><td></td><td>X</td></tr> <tr><td>6</td><td>221</td><td>228</td><td>Sandy clay</td><td>X</td><td></td></tr> <tr><td>6</td><td>228</td><td>230</td><td>Clay</td><td></td><td>X</td></tr> <tr><td>6</td><td>230</td><td>252</td><td>Sandy clay</td><td>X</td><td></td></tr> <tr><td>6</td><td>252</td><td>266</td><td>White med. course sand</td><td>X</td><td></td></tr> </tbody> </table>	Hole Diam.	Depth		Material	Water		From	To	Yes	No	8	0	2	Topsoil		X	8	2	6	Hardpan		X	8	6	13	Rock		X	8	13	15	Crevice- lost mud		X	8	15	25	Rock & cinders		X	8	25	30	Red cinders		X	8	30	45	Rock		X	8	45	50	Red cinders		X	8	50	55	Cinders		X	8	55	65	Rock		X	8	65	70	Sedimentary gunk		X	8	70	80	Soft rock		X	8	80	100	Black cinders		X	8	100	105	Soft rock		X	8	105	110	Hard rock		X	8	110	130	Cinders		X	8	130	135	Rock		X	8	135	145	Cinders		X	8	145	150	Rock & cinders		X	8	150	170	Cinders	X		8	170	175	Clay & cinders	X		6	175	204	Course gravel & clay	X		6	204	219	Muddy sand	X		6	219	221	Clay		X	6	221	228	Sandy clay	X		6	228	230	Clay		X	6	230	252	Sandy clay	X		6	252	266	White med. course sand	X	
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<p>4. METHOD DRILLED</p> <p><input type="checkbox"/> Rotary <input type="checkbox"/> Air <input type="checkbox"/> Hydraulic <input type="checkbox"/> Reverse rotary</p> <p><input checked="" type="checkbox"/> Cable <input type="checkbox"/> Dug <input type="checkbox"/> Other _____</p>	<p>10.</p> <p>Work started <u>April 13-81</u> finished <u>June 22-81</u></p>																																																																																																																																																																																		
<p>5. WELL CONSTRUCTION</p> <p>Casing schedule: <input checked="" type="checkbox"/> Steel <input type="checkbox"/> Concrete <input type="checkbox"/> Other _____</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Thickness</th> <th>Diameter</th> <th>From</th> <th>To</th> </tr> </thead> <tbody> <tr> <td><u>.250</u> inches</td> <td><u>6</u> inches</td> <td><u>1 1/2</u> feet</td> <td><u>25 1/2</u> feet</td> </tr> <tr> <td><u>.257</u> inches</td> <td><u>5</u> inches</td> <td><u>250</u> feet</td> <td><u>258</u> feet</td> </tr> <tr> <td><u>.257</u> inches</td> <td><u>5</u> inches</td> <td><u>263</u> feet</td> <td><u>267</u> feet</td> </tr> </tbody> </table> <p>Was casing drive shoe used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Was a packer or seal used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Perforated? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>How perforated? <input type="checkbox"/> Factory <input type="checkbox"/> Knife <input type="checkbox"/> Torch</p> <p>Size of perforation _____ inches by _____ inches</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Number</th> <th>From</th> <th>To</th> </tr> </thead> <tbody> <tr> <td>_____ perforations</td> <td>_____ feet</td> <td>_____ feet</td> </tr> <tr> <td>_____ perforations</td> <td>_____ feet</td> <td>_____ feet</td> </tr> <tr> <td>_____ perforations</td> <td>_____ feet</td> <td>_____ feet</td> </tr> </tbody> </table> <p>Well screen installed? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Manufacturer's name <u>Johnson</u></p> <p>Type <u>Stainless steel</u> Model No. <u>405</u></p> <p>Diameter <u>6"</u> Slot size <u>25</u> Set from <u>258</u> feet to <u>263</u> feet</p> <p>Diameter _____ Slot size _____ Set from _____ feet to _____ feet</p> <p>Gravel packed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Size of gravel _____</p> <p>Placed from _____ feet to _____ feet</p> <p>Surface seal depth <u>58</u> Material used in seal: <input type="checkbox"/> Cement grout <input checked="" type="checkbox"/> Bentonite</p> <p><input type="checkbox"/> Puddling clay <input type="checkbox"/> Well cuttings</p> <p>Sealing procedure used: <input type="checkbox"/> Slurry pit <input checked="" type="checkbox"/> Temp. surface casing</p> <p><input checked="" type="checkbox"/> Overbore to seal depth</p> <p>Method of joining casing: <input type="checkbox"/> Threaded <input checked="" type="checkbox"/> Welded <input type="checkbox"/> Solvent</p> <p style="text-align: center;">Weld</p> <p><input type="checkbox"/> Cemented between strata</p> <p>Describe access port _____</p>	Thickness	Diameter	From	To	<u>.250</u> inches	<u>6</u> inches	<u>1 1/2</u> feet	<u>25 1/2</u> feet	<u>.257</u> inches	<u>5</u> inches	<u>250</u> feet	<u>258</u> feet	<u>.257</u> inches	<u>5</u> inches	<u>263</u> feet	<u>267</u> feet	Number	From	To	_____ perforations	_____ feet	_____ feet	_____ perforations	_____ feet	_____ feet	_____ perforations	_____ feet	_____ feet	<p>11. DRILLERS CERTIFICATION</p> <p>I/We certify that all minimum well construction standards were complied with at the time the rig was removed.</p> <p>Firm Name <u>Engleman Well Dri</u> Firm No. <u>47</u></p> <p>Address <u>Rt. 3 Box 3397-A</u> Date <u>June 30, 81</u></p> <p style="text-align: center;"><u>Nampa, Ida.</u></p> <p>Signed by (Firm Official) <u>[Signature]</u></p> <p style="text-align: center;">and</p> <p>(Operator) _____</p>																																																																																																																																																						
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<p>6. LOCATION OF WELL</p> <p>Sketch map location must agree with written location.</p>  <p>Subdivision Name _____</p> <p>Lot No. _____ Block No. _____</p> <p>County <u>Ada</u></p> <p><u>SE</u> 1/4 <u>SE</u> 1/4 Sec. <u>27</u>, T. <u>1N</u> N/S, R. <u>2W</u> E/W.</p>	<p>Department of Water Resources</p> <p>Western Regional Office</p> <p style="text-align: center;">MAR 2 1982 AUG 20 1981</p> <p style="text-align: right;"><i>DL CB</i></p>																																																																																																																																																																																		

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IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

1. WELL TAG NO. D 0083377

Drilling Permit No. 892271
Water right or injection well # _____

2. OWNER

Name Satterwhite, Mark
Address 1484 Hill Rd.
City Melba State ID Zip 83641

3. WELL LOCATION:

Twp. 1 North or South Rge. 2 East or West
Sec. 27 SW 1/4 NE 1/4
Gov't Lot _____ County Canyon
Lat. 43° 23.663 (Deg. and Decimal minutes)
Long. 116° 33.784 (Deg. and Decimal minutes)
Address of Well Site Same City Melba

Lot _____ Blk. _____ Sub. Name _____

4. USE:

Domestic Municipal Monitor Irrigation Thermal Injection
 Other _____

5. TYPE OF WORK

New Well Replacement well Modify existing well
 Abandonment Other _____

6. DRILL METHOD:

Air Rotary Mud Rotary Cable Other _____

7. SEALING PROCEDURES

Seal material	From (ft)	To (ft)	Quantity (lbs or ft³)	Placement method/procedure
Med Chips	0	60	31 Bags	Poured

8. CASING/LINER:

Diameter (nominal)	From (ft)	To (ft)	Gauge/Schedule	Material	Casing	Liner	Threaded	Welded
6"	+2	60	.250	Steel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.5	52	252	sc40	PVC	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Was drive shoe used? Y N Shoe Depth(s) _____

9. PERFORATIONS/SCREENS:

Perforations Y N Method Skill Saw
Manufactured screen Y N Type _____
Method of installation Set In

From (ft)	To (ft)	Slot size	Number/ft	Diameter (nominal)	Material	Gauge or Schedule
212	252	1/8		4.5	PVC	Sch 40

Length of Headpipe 8' Length of Tailpipe 0
Packer Y N Type _____

10. FILTER PACK:

Filter Material	From (ft)	To (ft)	Quantity (lbs or ft³)	Placement method

11. FLOWING ARTESIAN:

Flowing Artesian? Y N Artesian Pressure (PSIG) _____
Describe control device _____

12. STATIC WATER LEVEL and WELL TESTS:

Depth first water encountered (ft) 160 Static water level (ft) 162'
Water temp. (°F) 60 Bottom hole temp. (°F) 60
Describe access port Sanitary Well Cap

Well test:

Drawdown (feet)	Discharge or yield (gpm)	Test duration (minutes)	Pump	Bailer	Air	Flowing artesian
230	150	30	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Test method:

Water Quality test or comments: Good/No Odor

13. LITHOLOGIC LOG and/or repairs or abandonment:

Bore Dia. (in)	From (ft)	To (ft)	Remarks, lithology or description of repairs or abandonment, water temp.	Water	
				Y	N
10	0	2	Top Soil		X
10	2	28	Clay		X
10	28	58	Lava Rock/wstrips		X
10	58	60	Lava Rock		X
8	60	162	Lava Rock		X
8	162	252	Lava fw cracks	X	

RECEIVED

JAN 17 2020

WATER RESOURCES
WESTERN REGION

Completed Depth (Measurable) 252
Date: Started 11/12/2019 Completed 11/26/2019

14. DRILLER'S CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Can-Ada Well Drilling and Pump Co. No. 304

*Principal Driller Earl Skinner *Earl Skinner* Date 1/14/2020

*Driller _____ Date _____

*Operator II Brad Skinner *Brad Skinner* Date 1/14/2020

Operator I _____ Date _____

* Signature of Principal Driller and rig operator are required.

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IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

RECEIVED

SEP 08 2020

WATER RESOURCES
WESTERN REGION

1. WELL TAG NO. D D0085282

Drilling Permit No. 893601

Water right or injection well # _____

2. OWNER: CARMELO VILLA LOPOZ

Name SAME

Address 813 WEST FLORIDA

City NAMPA State ID Zip 83688

3. WELL LOCATION:

Twp. 01N North or South Rge. 02W East or West

Sec. 27 _____ 1/4 NE _____ 1/4 SE _____ 1/4

Gov't Lot _____ County CANYON

Lat. 43 ° 23.16 (Deg. and Decimal minutes)

Long. 116 ° 33.348 (Deg. and Decimal minutes)

Address of Well Site NO ADDRESS HILL ROAD OFF MELBA ROAD

(Give at least name of road + Distance to Road or Landmark) City _____

Lot. _____ Blk. _____ Sub. Name _____

4. USE:

Domestic Municipal Monitor Irrigation Thermal Injection

Other _____

5. TYPE OF WORK:

New well Replacement well Modify existing well

Abandonment Other _____

6. DRILL METHOD:

Air Rotary Mud Rotary Cable Other _____

7. SEALING PROCEDURES:

Seal material	From (ft)	To (ft)	Quantity (lbs or ft ³)	Placement method/procedure
BENTONIGHT	0	46	2100 LPS	POOR IN

8. CASING/LINER:

Diameter (nominal)	From (ft)	To (ft)	Gauge/Schedule	Material	Casing	Linear	Threaded	Welded
6	+3	43	250	STEEL	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Was drive shoe used? Y N Shoe Depth(s) _____

9. PERFORATIONS/SCREENS:

Perforations Y N Method _____

Manufactured screen Y N Type _____

Method of installation _____

From (ft)	To (ft)	Slot size	Number/ft	Diameter (nominal)	Material	Gauge or Schedule

Length of Headpipe _____ Length of Tailpipe _____

Packer Y N Type _____

10. FILTER PACK:

Filter Material	From (ft)	To (ft)	Quantity (lbs or ft ³)	Placement method

11. FLOWING ARTESIAN:

Flowing Artesian? Y N Artesian Pressure (PSIG) _____

Describe control device WELL CAP

12. STATIC WATER LEVEL and WELL TESTS:

Depth first water encountered (ft) 315 Static water level (ft) 250

Water temp. (°F) ? _____ Bottom hole temp. (°F) ? _____

Describe access port WELL CAP

Well test:

Drawdown (feet)	Discharge or yield (gpm)	Test duration (minutes)	Pump	Bailer	Air	Flowing artesian
280	40	1 HOUR	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Test method: Pump Bailer Air Flowing artesian

Water quality test or comments: GOOD NO SMELL

13. LITHOLOGIC LOG and/or repairs or abandonment:

Bore Dia. (in)	From (ft)	To (ft)	Remarks, lithology or description of repairs or abandonment, water temp.	Water	
				Y	N
10	0	1	TOP SOIL		X
10	1	46	LAVA		X
6	46	90	LAVA		X
6	90	98	RED CENDER		X
6	98	210	LAVA		X
6	210	225	CLAY MIXED WITH LAVA CHIPS		X
6	225	235	LAVA		
6	235	245	CLAY MIXED WITH LAVA CHIPS		X
6	245	250	LOST CIRCULATION		?
6	250	290	CLAY MIXED WITH LAVA CHIPS		X
6	290	297	RED CENDER		X
6	297	302	CLAY MIXED WITH LAVA CHIPS		X
6	302	340	FRACTURE LAVA		X
6	340	380	MULTI-COLORED GRAVLE	X	

Completed Depth (Measurable): 345

Date Started: 04/15/2020 Date Completed: 04/30/2020

14. DRILLER'S CERTIFICATION:

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name KNIE PUMP&DRILLING Co. No. 417

*Principal Driller Mika Kyle Date _____

*Driller Mika Kyle Date 9-3-2010

*Operator II _____ Date _____

Operator I _____ Date _____

* Signature of Principal Driller and rig operator are required.

859222

IDAHO DEPARTMENT OF WATER RESOURCES WELL DRILLER'S REPORT

1. WELL TAG NO. D 0058918

Drilling Permit No. 910572-859222

Water right or injection well # 63-33331

2. OWNER: Kelly Kramer

Name Kelly Kramer

Address 1258C Southside Blvd

City Melba State 10 Zip 83641

3. WELL LOCATION:

Twp. 1 North or South Rge. 2 East or West

Sec. 27 SW 1/4 SW 1/4 SE 1/4

Gov't Lot _____ County Canyon

Lat. 43 ° 23.242 (Deg. and Decimal minutes)

Long. 116 ° 33.791 (Deg. and Decimal minutes)

Address of Well Site Corner of Melba Rd & Hill Rd.

9469 Melba Rd City Melba

Lot. _____ Blk. _____ Sub. Name _____

4. USE:

Domestic Municipal Monitor Irrigation Thermal Injection
 Other _____

5. TYPE OF WORK:

New well Replacement well Modify existing well
 Abandonment Other _____

6. DRILL METHOD:

Air Rotary Mud Rotary Cable Other _____

7. SEALING PROCEDURES:

Seal material	From (ft)	To (ft)	Quantity (lbs or ft ³)	Placement method/procedure
<u>Bentonite</u>	<u>0</u>	<u>60</u>	<u>6300 #s</u>	<u>overburden dry fill</u>
<u>#8 granules</u>				

8. CASING/LINER:

Diameter (nominal)	From (ft)	To (ft)	Gauge/Schedule	Material	Casing	Liner	Threaded	Welded
<u>12 3/4</u>	<u>+2</u>	<u>269</u>	<u>250</u>	<u>steel</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<u>12 OD</u>	<u>269</u>	<u>274</u>	<u>250</u>	<u>STEEL</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Was drive shoe used? Y N Shoe Depth(s) _____

9. PERFORATIONS/SCREENS:

Perforations Y N Method Factory cut

Manufactured screen Y N Type _____

Method of installation _____

From (ft)	To (ft)	Slot size	Number/ft	Diameter (nominal)	Material	Gauge or Schedule
<u>204</u>	<u>269</u>	<u>1/8x6</u>	<u>780</u>	<u>12</u>	<u>steel</u>	<u>250</u>

Length of Headpipe _____ Length of Tailpipe _____

Packer Y N Type _____

10. FILTER PACK:

Filter Material	From (ft)	To (ft)	Quantity (lbs or ft ³)	Placement method

11. FLOWING ARTESIAN:

Flowing Artesian? Y N Artesian Pressure (PSIG) _____

Describe control device _____

12. STATIC WATER LEVEL and WELL TESTS:

Depth first water encountered (ft) 167 Static water level (ft) 167

Water temp. (°F) 60 Bottom hole temp. (°F) 60

Describe access port 1 1/2 threaded pipe welded to casing

Well test:	Drawdown (feet)	Discharge or yield (gpm)	Test duration (minutes)	Test method:			
				Pump	Bailer	Air	Flowing artesian
<u>1 inch</u>	<u>50</u>	<u>30</u>		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Water quality test or comments: _____

13. LITHOLOGIC LOG and/or repairs or abandonment:

Bore Dia. (in)	From (ft)	To (ft)	Remarks, lithology or description of repairs or abandonment, water temp.	Water	
				Y	N
<u>20</u>	<u>0</u>	<u>11</u>	<u>Topsoil</u>		
<u>20</u>	<u>11</u>	<u>30</u>	<u>Basalt</u>		
<u>16</u>	<u>30</u>	<u>116</u>	<u>Basalt</u>		
	<u>116</u>	<u>117</u>	<u>Cinders</u>		
	<u>117</u>	<u>123</u>	<u>Basalt - brown cinders layers</u>		
	<u>123</u>	<u>143</u>	<u>Basalt</u>		
	<u>143</u>	<u>144</u>	<u>Cinders - tan</u>		
	<u>144</u>	<u>179</u>	<u>Basalt</u>		<input checked="" type="checkbox"/>
	<u>179</u>	<u>180</u>	<u>Cinders</u>		<input checked="" type="checkbox"/>
	<u>180</u>	<u>215</u>	<u>Basalt</u>		
	<u>215</u>	<u>228</u>	<u>Cinders & clay - tan</u>		<input checked="" type="checkbox"/>
	<u>228</u>	<u>244</u>	<u>CINDERS - black</u>		<input checked="" type="checkbox"/>
	<u>244</u>	<u>250</u>	<u>ASH - TAN</u>		
	<u>250</u>	<u>257</u>	<u>clay - tan - sticky</u>		
<u>16</u>	<u>257</u>	<u>270</u>	<u>Basalt</u>		<input checked="" type="checkbox"/>
<u>12</u>	<u>270</u>	<u>276</u>	<u>Basalt</u>		
	<u>276</u>	<u>289</u>	<u>Basalt soft</u>		<input checked="" type="checkbox"/>
	<u>289</u>	<u>294</u>	<u>Basalt</u>		
	<u>294</u>	<u>295</u>	<u>Basalt - broken</u>		<input checked="" type="checkbox"/>
	<u>295</u>	<u>305</u>	<u>Basalt</u>		
	<u>305</u>	<u>307</u>	<u>Cinders</u>		<input checked="" type="checkbox"/>
	<u>307</u>	<u>311</u>	<u>Basalt - not cuttings</u>		<input checked="" type="checkbox"/>
	<u>311</u>	<u>322</u>	<u>Cinders/bk - talc - cinders</u>		<input checked="" type="checkbox"/>
	<u>322</u>	<u>323</u>	<u>Basalt</u>		
	<u>323</u>	<u>330</u>	<u>sand tan</u>		<input checked="" type="checkbox"/>
	<u>330</u>	<u>332</u>	<u>Gravel coarse</u>		<input checked="" type="checkbox"/>
			<u>Gravel back to 325</u>		

RECEIVED

NOV 22 2010

14. DRILLER'S CERTIFICATION:

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Date Started: 7/9/10 Date Completed: 10/20/10

Company Name Johnston Drilling Co. No. 92

*Principal Driller Sam Johnston Date 11/8/10

*Driller Sam Johnston Date 11/8/10

*Operator II _____ Date _____

Operator I _____ Date _____

* Signature of Principal Driller and rig operator are required.

Soil Types



United States
Department of
Agriculture

NRCS

Natural
Resources
Conservation
Service

A product of the National
Cooperative Soil Survey,
a joint effort of the United
States Department of
Agriculture and other
Federal agencies, State
agencies including the
Agricultural Experiment
Stations, and local
participants

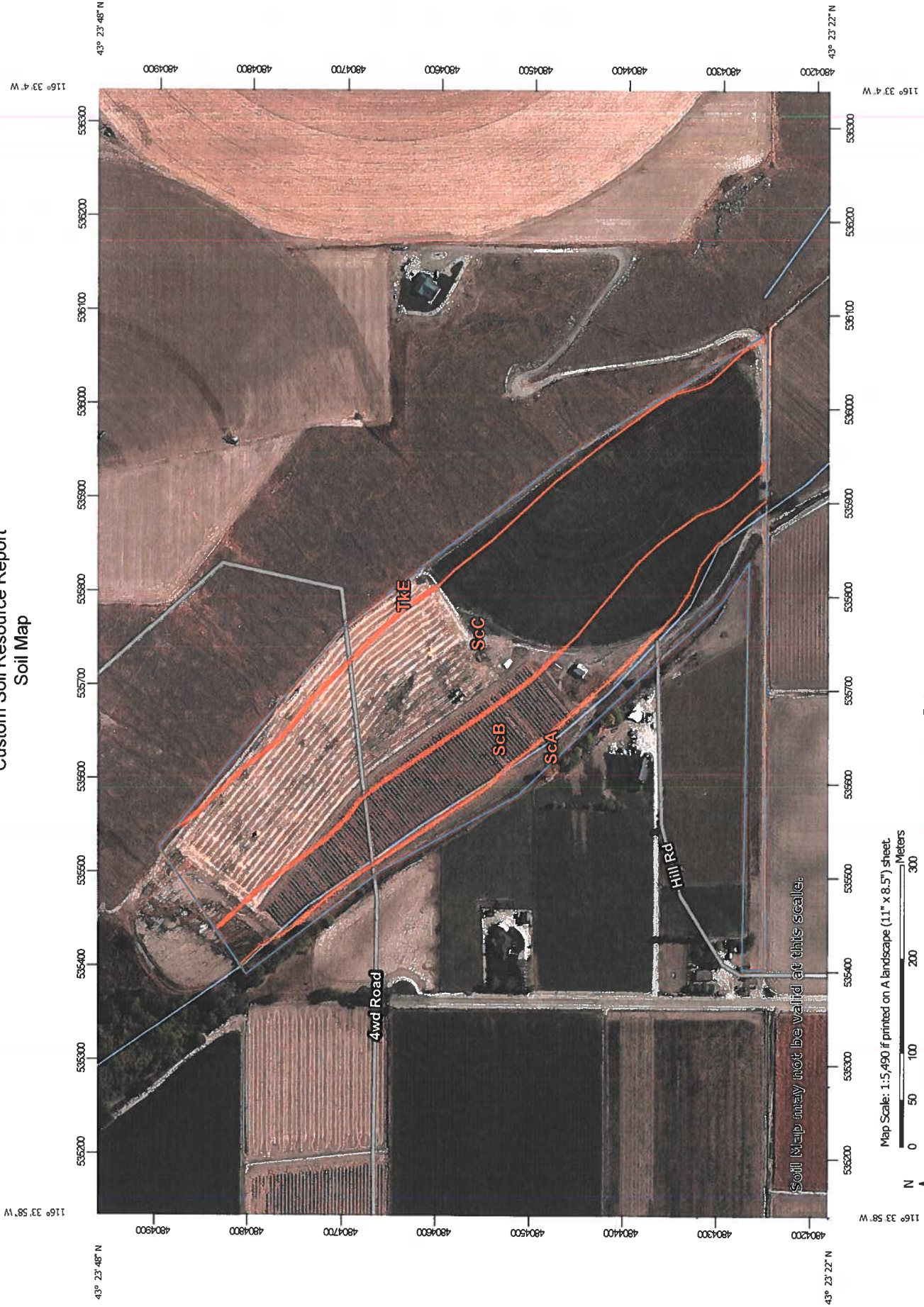
Custom Soil Resource Report for Canyon Area, Idaho

BAD RIVER



December 21, 2021

Custom Soil Resource Report
Soil Map











Soil Map may not be valid at this scale.

Map Scale: 1:5,490 if printed on A landscape (11" x 8.5") sheet

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 11N WGS84

MAP LEGEND

-  Area of Interest (AOI)
-  Soils
-  Soil Map Unit Polygons
-  Soil Map Unit Lines
-  Soil Map Unit Points
- Special Point Features**
 -  Blowout
 -  Borrow Pit
 -  Clay Spot
 -  Closed Depression
 -  Gravel Pit
 -  Gravelly Spot
 -  Landfill
 -  Lava Flow
 -  Marsh or swamp
 -  Mine or Quarry
 -  Miscellaneous Water
 -  Perennial Water
 -  Rock Outcrop
 -  Saline Spot
 -  Sandy Spot
 -  Severely Eroded Spot
 -  Sinkhole
 -  Slide or Slip
 -  Sodic Spot
- Water Features**
 -  Streams and Canals
- Transportation**
 -  Rails
 -  Interstate Highways
 -  US Routes
 -  Major Roads
 -  Local Roads
- Background**
 -  Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
 Web Soil Survey URL:
 Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Canyon Area, Idaho
 Survey Area Data: Version 18, Sep 9, 2021

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jul 14, 2010—Mar 11, 2017

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
ScA	Scism silt loam, 0 to 1 percent slopes	6.5	14.5%
ScB	Scism silt loam, 1 to 3 percent slopes	10.3	23.0%
ScC	Scism silt loam, 3 to 7 percent slopes	24.6	55.0%
TkE	Trevino-Rock outcrop complex, 0 to 20 percent slopes	3.4	7.5%
Totals for Area of Interest		44.7	100.0%

Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.