

January 8, 2013

Ester Ceja
Idaho Department of Environmental Quality
1410 N. Hilton
Boise, Idaho 83706

RE: Castle Mountain Creeks Facility Plan- Request for Categorical Exclusion

Dear Ms. Ceja,

On behalf of the Castle Mountain Creeks Owners Association, please accept this letter as a formal request for approval of a Categorical Exclusion related to the water system improvements included in the recommended alternative of the Facility Plan prepared by SPF Water Engineering for the Castle Mountain Creeks Public Water System. We believe that this project qualifies for a Categorical Exclusion due to the fact that the proposed work will not individually or cumulatively have a significant impact on either the natural or human environment.

The proposed project consists of the following Scope of Work:

Surface Water Intake System:

- Replace 1 existing valve actuator in an existing vault at the intake location
- Install three (3) new 2-inch flushing hydrants or blow-offs with new main line isolation valves at local "low" points along the existing raw water supply line. Excavation and installation will occur within the existing dirt road which the water line is located within.
- Install two (2) new air-vacuum valves on the existing raw water supply line. Excavation and installation will occur within the existing dirt road which the water line is located within.

Water Treatment Plant (All work will be completed inside the existing building):

- Install new chlorine feed pump in the existing treatment building
- More frequent Granular Activated Carbon (GAC) replacement as needed to meet Idaho water quality requirements.

Water Distribution System:

- Install approximately 1,650 lineal feet of new 2-inch mainline
- Install approximately 1,500 lineal feet of new 4-inch mainline
- Install approximately 3,800 lineal feet of new 6-inch mainline
- Install approximately 15 new gate valves
- Replace 4 existing pressure reducing valves with 4 new pressure reducing valves

- Install 8 new pressure relief valves
- Install 3 new booster pump stations
- Install 4 new flushing hydrants
- Tie over approximately 18 existing service connections

With the exception of the booster pump stations, all water distribution system work will occur within the existing gravel roadway easements which extend 25' either side of centerline for a total width of 50'. Where new waterlines are proposed, these lines will effectively replace the existing lines which are approaching the end of their anticipated service life. The distribution system is not being expanded to serve additional customers as part of this work.

The booster pump stations are very small, approximate 1 HP booster pumps that will be located in small approximate 4'x8' below grade vaults adjacent to the existing roadways. Booster Pump Station 1B will be located on the existing reservoir and water treatment plant site. Significant grading was performed on this site over a decade ago during construction of the treatment plant and reservoirs to create a flat construction site.

Booster Pump Stations 2B and 7B will be located within approximately 20' of the existing traveled surface and will require minor excavation and clearing for setting the vault and excavating the water line trenches. We anticipate that these vaults will be located adjacent to the shoulder of the roadway outside of the traveled way.

Please note that there are two streams shown on the attached maps that flow from west to east. The northern stream is Warm Springs Creek. This is a perennial stream that serves as the domestic water source for the community. The southern stream is an unnamed intermittent stream. No work is planned or will impact these streams below the ordinary high water mark. There are two locations where the proposed water lines will cross these streams. In these locations the waterline will be located within the existing roadway. At these crossing locations the streams are conveyed across the roadway in a piped conduit. The waterlines will simply cross under the piped drainage conduit. Additional information on the proposed stream crossings is provided in Attachment 7. Please note that with the exception of the existing incised stream channels we are unaware of any existing jurisdictional wetlands on the project site and do not anticipate any impact to jurisdictional wetlands.

We have attached the following information in support of this request:

1. Attachment 1: Project Planning Maps
2. Attachment 2: Public Comment Period Documentation
 - a. 14-day public comment period notice
 - b. Meeting minutes from CMC public meeting during public comment period.
 - c. Public Meeting sign-in sheet.
 - d. Public Comment Summary Memo (No comments received)
3. Attachment 3: Documentation of Plan Adoption
 - a. Letter from Bill Partridge, current CMC President confirming that CMC formally adopted the Facility Plan and the recommended alternative.
 - b. Email from Bill Partridge, current CMC President confirming that CMC formally adopted the Facility Plan and the recommended alternative.
 - c. Meeting Minutes for the Castle Mountain Creeks Owners Association Annual Meeting held on September 8, 2012 at which the recommended alternative was selected and approved by the board and membership.
4. Attachment 4: SHPO Consultation Documentation
 - a. SHPO agency consultation letter dated October 4, 2012
 - b. SHPO response dated October 18, 2012
5. Attachment 5: U.S. Army Corps of Engineers Documentation
 - a. USACE agency consultation letter dated November 20, 2012
 - b. USACE response dated November 29, 2012
6. Attachment 6: Idaho Department of Water Resources Documentation
 - a. IDWR agency consultation letter dated December 31, 2012
 - b. IDWR email response dated January 3, 2013
7. Attachment 7: Stream crossing information

BMP's will be employed during construction to effectively manage stormwater runoff. BMP's will consist of stormwater controls during construction that meet the stringent requirements of the 2012 National Pollutant Discharge Elimination System Construction General Permit (NPDES CGP). This permit, administered by the EPA requires development of a comprehensive Storm Water Pollution Prevention Plan (SWPPP) to protect water quality through the effective management of stormwater runoff.

Please let me know if you have any questions or if you require additional information to approve this request.

Sincerely,
SPF Water Engineering

Brian Wilkinson, P.E.
c. File 666.0050

ATTACHMENT 1: PROJECT PLANNING MAPS

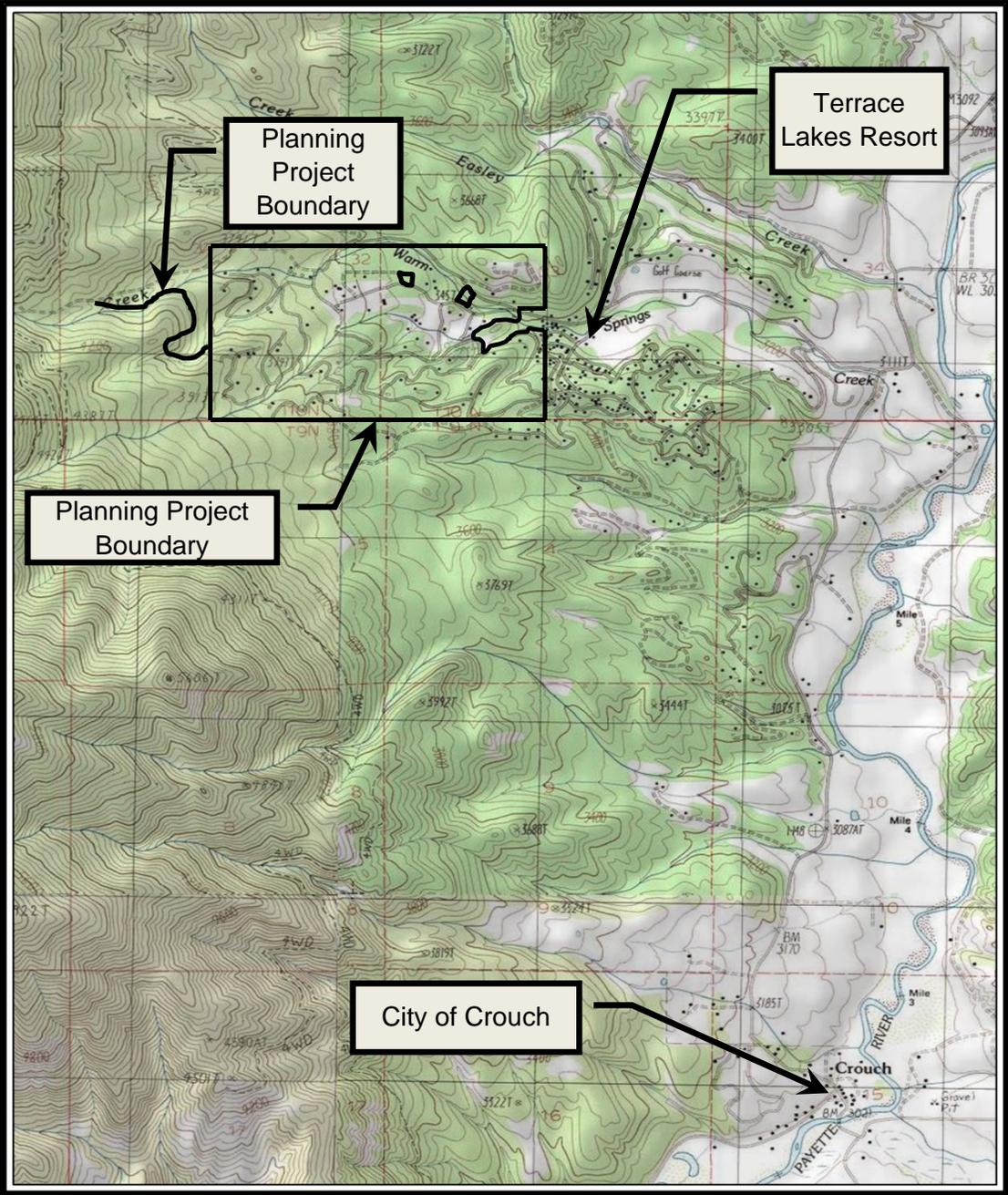
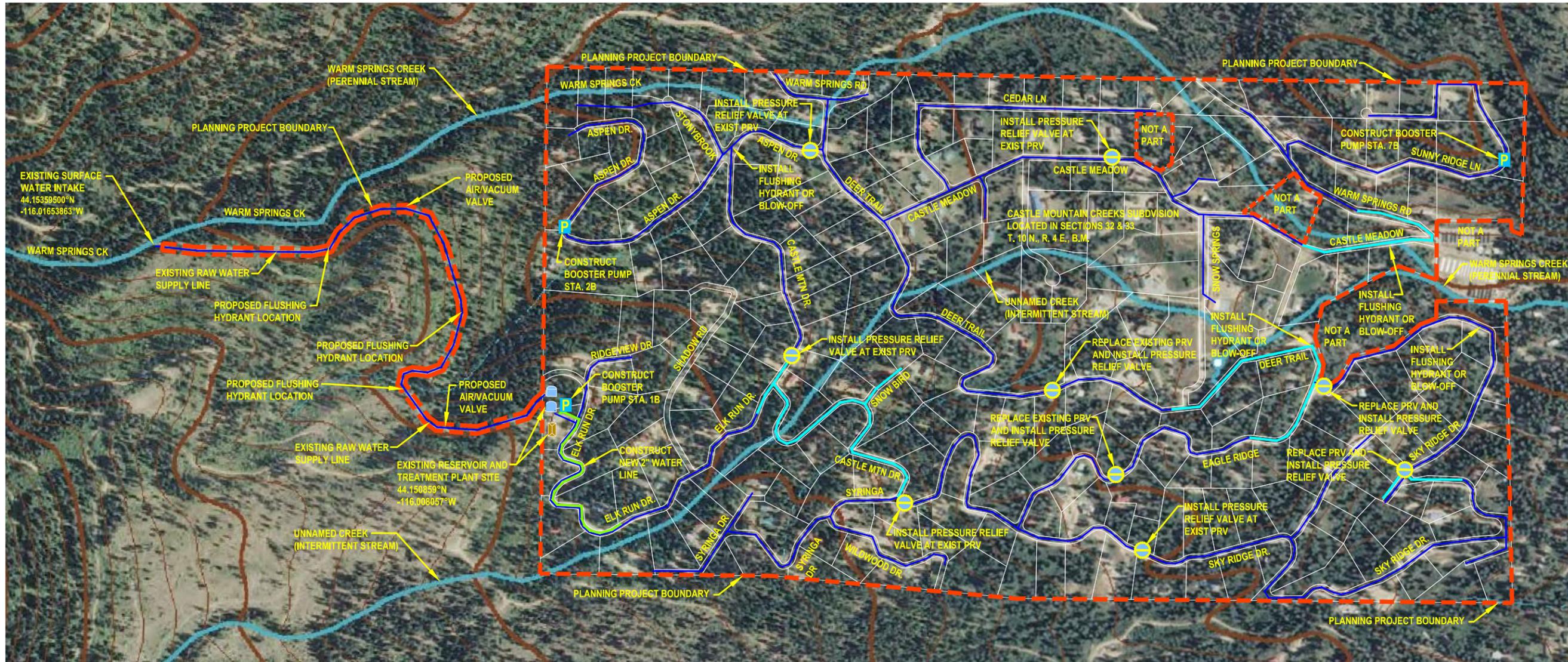


Exhibit A: Vicinity Map



PROPOSED WATER SYSTEM IMPROVEMENTS

SURFACE WATER INTAKE:

- REPLACE 1 VALVE ACTUATOR IN AN EXISTING VAULT.
- INSTALL THREE (3) 2-INCH FLUSHING HYDRANTS OR BLOW-OFFS WITH 4-INCH ISOLATION VALVES ON RAW WATER SUPPLY LINE.
- INSTALL TWO (2) COMBINATION AIR/VACUUM RELIEF VALVES

WATER TREATMENT PLANT

- INSTALL NEW CHLORINE FEED PUMP
- GAC REPLACEMENT AS NEEDED TO MEET WATER QUALITY REQUIREMENTS
- ALL WORK WILL BE DONE INSIDE EXISTING BUILDING

WATER DISTRIBUTION SYSTEM

- INSTALL APPROXIMATELY 1,650 LINEAL FEET OF 2-INCH MAINLINE
- INSTALL APPROXIMATELY 1,500 LINEAL FEET OF 4-INCH MAINLINE
- INSTALL APPROXIMATELY 3,800 LINEAL FEET OF 6-INCH MAINLINE
- INSTALL APPROXIMATELY 15 GATE VALVES
- INSTALL 4 NEW PRESSURE REDUCING VALVES (PRV'S)
- INSTALL 8 PRESSURE RELIEF VALVES
- INSTALL 3 BOOSTER PUMP STATIONS
- INSTALL 4 FLUSHING HYDRANTS OR BLOW-OFFS
- TIE OVER APPROXIMATELY 18 EXISTING SERVICE CONNECTIONS

LEGEND

- PLANNING PROJECT BOUNDARY
- EXISTING WATER LINE TO REMAIN
- EXISTING WATERLINE TO BE REPLACED
- NEW 2" WATER LINE TO BE CONSTRUCTED
- P PROPOSED BOOSTER PUMP STATION
- ⊖ EXISTING PRV. SEE PLAN FOR PROPOSED WORK.

SPF WATER ENGINEERING
 300 East Mallard Drive, Suite 350
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**CASTLE MOUNTAIN CREEKS
 PUBLIC WATER SYSTEM # 4080007
 PROPOSED WATER SYSTEM IMPROVEMENTS**

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 CASTLE MOUNTAIN CREEK
 OWNERS ASSOCIATION
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 GARDEN VALLEY, IDAHO 83622

ENGINEER
 ERIC LANDSBERG
 300 EAST MALLARD DRIVE, STE. 350
 BOISE, IDAHO 83706
 PHONE: 208-383-4140

**PRELIMINARY
 DRAFT NOT FOR
 CONSTRUCTION**

DRAWN BY:	BLW
CHECKED BY:	BLW
SCALE:	AS SHOWN
PLOT SCALE:	1:1

DATE	DESCRIPTION

ATTACHMENT 2: PUBLIC COMMENT PERIOD DOCUMENTATION



July 13, 2012

To: Castle Mountain Creeks Owners Association Members and Water System Customers

Subject: Notice of Public Comment Period for Water System Facility Plan

Dear Property Owners and Customers,

On behalf of the Castle Mountain Creeks Owners Association (CMC), we would like to invite you to review and provide comments on the recently completed *Draft Facility Plan for Public Comment* prepared by SPF Water Engineering for the Castle Mountain Creek Public Water System.

The Draft Facility Plan provides a comprehensive analysis of the existing water system and provides recommendations for system improvements to correct identified water system deficiencies. The preparation and adoption of a Facility Plan by CMC is necessary to qualify for low interest Idaho State Revolving Fund (SRF) loans which are administered by the Idaho Department of Environmental Quality (IDEQ). CMC is currently ranked second on the 2013 priority list and is eligible to receive loan funds to correct water system deficiencies consistent with an approved Facility Plan.

CMC will accept public comments on the Draft Facility Plan beginning at 8:00 a.m. on Monday, July 23, 2012. The public comment period will close at 5:00 p.m. on Monday, August 6, 2012. Public comments may be sent via email or regular mail to the Engineer at the following address:

Castle Mountain Creeks Public Comment

c/o Brian Wilkinson, P.E.

SPF Water Engineering, LLC

300 E. Mallard Dr., Suite 350

Boise, Idaho 83706

Email: bwilkinson@spfwater.com

CMC will host a public hearing on Monday, July 30, 2012 from 6:00 p.m. to 7:30 p.m. at the CMC Maintenance Shop to present and answer questions about the plan and the potential financial impacts to users. Once the public comment period closes, the received comments will be included in the Facility Plan. At that point the CMC Board will officially consider the plan, including any received comments, and may formally adopt one of the developed alternatives. Once an alternative has been selected and the plan had been formally adopted, a detailed environmental evaluation will be performed on the selected alternative.

Hardcopies of the Facility Plan will be available for Public Review at the community maintenance shop between the hours of 8:00 a.m. and 5:00 p.m. during the public comment period. Alternatively, you may request an electronic PDF copy of the plan via email by submitting an email request with "CMC Facility Plan Request" in the subject line to the following:

To: bwilkinson@spfwater.com

Cc: cjensen@spfwater.com

Upon receiving your request you will be sent a link which will allow you to download and save the plan to your local computer.

On behalf of the Castle Mountain Creeks Owners Association, we look forward to receiving your comments and input regarding the plan.

Sincerely,

SPF Water Engineering, LLC



Brian Wilkinson, P.E.

CMC Public Meeting Notice Address List.

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MEETING MINUTES

MEETING DATE: July 30, 2012
LOCATION: Castle Mountain Creeks Maintenance Shop
ATTENDEES: See Attached Sign-In Sheet

PREPARED BY: Brian Wilkinson, P.E., SPF Water Engineering
PROJECT: Castle Mountain Creeks Facility Plan (SPF #666.0050)
SUBJECT: Public Comment Meeting

A. Meeting Summary

The following topics were discussed at the meeting:

- Eric Landsberg and Brian Wilkinson of SPF Water Engineering spent approximately 90 minutes presenting the Draft Facility Plan to the group. Each alternative was discussed and the rationale used for either including or excluding that alternative from the recommended alternative.
- The recommended alternative was described in detail and questions from the group were answered.
- We discussed that the recommended alternative was not a solution to CMC's long term water treatment requirements. SPF emphasized that the treatment plant would need to be replaced in approximately 2020.
- We discussed that CMC should amend the CC&R's to require homeowners to purchase, install and maintain pressure regulators for lots that experience pressures over 80 psi.
- We discussed that CMC needs to notify each homeowner of the anticipated pressure change that they will see as a result of the proposed improvements.
- The group was in general agreement that the recommended alternative was the correct path to pursue and was complimentary of the work completed to date.

B. Public Comments

- SPF noted that there had not been any public comments received to date.
- No public comments were received at the meeting

**QSheet1 Meeting on
CMC's Water System Facility Plan
Attendance Sheet
July 30, 2012**

NAME	ADDRESS	PHONE	EMAIL
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MEMORANDUM

DATE: August 7, 2012

TO: Dave Gardner, CMC

FROM: Brian Wilkinson, P.E.

CC: File 666.0050

RE: Facility Plan Public Comment Summary

Dave, as you know the public comment period for the CMC facility plan began on July 23, 2012 and ended on August 6, 2012. This memo documents that no public comments were received during the public comment period.

ATTACHMENT 3: DOCUMENTATION OF PLAN ADOPTION

7 Castle Mountain Drive
Garden Valley, ID 83622

November 28, 2012

Re: Castle Mountain Creeks

Brian Wilkinson
SPF

To confirm my last correspondence the overwhelming majority of the general membership at our last annual meeting of the membership of Castle Mountain Creeks Home Owners Association voted to adopt the recommended alternative to the outlined facility plan. The board of directors of CMC (Castle Mountain Creeks HO) also unanimously accepted and concurred with the vote of the membership to accept this plan.

Sincerely,

A handwritten signature in cursive script that reads "William R. Partridge". The signature is written in dark ink and is positioned above the printed name and title.

William R. Partridge,
President

Castle Mountain Creeks Homeowners Association

Brian Wilkinson

From: Marlene <marlenepartridge@frontier.com>
Sent: Tuesday, November 20, 2012 1:10 PM
To: Brian Wilkinson
Subject: RE: Castle Mountain Creeks Facility Plan

Categories: 666.0050 Castle Mtn

I, Bill Partridge, President of the Castle Mountain Creeks Owners Association state and confirm that the Castle Mountain Creeks Owners Association at its September 8, 2012 Annual Meeting formally adopted the Draft Facility Plan for Public Comment dated July 5, 2012 (Facility Plan) prepared on our behalf by SPF Water Engineering and the Recommended Alternative outlined in Section 5 of the Facility Plan . The recommended alternative was selected as it was the most cost effective means of achieving the developed project objectives within the current financial capacity of the CMC Owners Association.

Castle Mountain Creeks Owners Association Annual Meeting
Crouch Community Center, Garden Valley, ID
Minutes of September 8, 2012

Dave Gardner called the meeting to order at 2:10 PM and introduced the Board Members and employees.

Board Members present: Dave Gardner Jay Combs Charles Leslie Bill Partridge James Hannan
Employees present: Rusty Brown, Manager/Maintenance Michael Hackley, Water Master Gene Foster, Maintenance
Eileen M. Smith, Secretary-Treasurer

Meeting Quorum

There were 60 voting members present and 38 proxies for a total of 98 votes which is short of the 129 needed for a quorum. **Motion** was made to conduct the meeting without a quorum; Motion was seconded; motion passed unanimously.

Minutes

The minutes of the 2011 Annual Meeting had been distributed in advance and copies were provided as handouts.

•**Motion:** Bill Partridge moved to accept the minutes of the 2011 Annual Meeting; Richard Wilson seconded; motion passed unanimously.

Administration – Jay Combs

- Jay Combs reviewed CMC's three (3) year balance sheet. Payroll taxes were up due to workman compensation rate increases and CMC not qualifying for the modification rate this year. Receivables were higher due to finance charges and some delinquent accounts.
- Jay Combs continued going over the Balance Sheet and association finances. This year's budget anticipates \$214,400 in revenue from dues and \$38,187 from water bills for a total of \$252,587. The question arose again this year regarding administration cost of \$39,769 in 2009 versus \$50,350 for 2011. Jay Combs explained most of Vera's time was "donated" thus salaries and payroll taxes the past year and this year were closer to actual costs. It was also noted that \$1,500 had been allocated to attorney fees and \$3,000 to bad debt expense. This will be utilized in the collection of those delinquent accounts in which all avenues had been exhausted. Payroll taxes are budgeted higher this year due to workmen compensation increase.
- Jay Combs briefly mentioned the Water Distribution Facility Plan and would average a cost of \$7.00 a month per lot. However, the board has factored this cost into its budget for 2012-2013 and no increase of dues is required this year.

Equipment – Bill Partridge:

- There have been a few problems with some of CMC's equipment. The pick-up required engine mounts and blew a tire. Snow chains are good for at least one (1) more year then will need to be replaced at a cost of approximately \$20,000. John Nix interjected that that cost is appropriate as they can run up to \$6,000 a chain set.
- The motor grader loan was paid off in May 2012 and the board elected to shift the amount of the motor grader loan payment into a truck replacement fund in anticipation of the eventual purchase of a replacement truck. We are looking for a vehicle that will be versatile enough to handle all types of heavy work required for the association.
- Ron Heffner stated that a manual transmission holds up better than and an automatic. Jim Hannan responded that a Commercial Allison automatic transmission can handle anything.

Roads – Jim Hannan:

- A court order at the inception of Castle Mountain Creeks' subdivision requires CMC to maintain the road in front of Ward's Greenhouse in the condition when first created. CMC had received three estimates ranging from \$13,000 to \$22,000. In July of 2012 Valley Paving and Asphalt was contracted to asphalt this section of road at a cost of \$12,900, speed bumps were excluded.
- Four (4) loads of road mix and gravel per month are being used to cover 1,000 lf at a 2" spread for CMC's roads
- According to CMC's Covenants, Conditions, and Restrictions (CCRs), it is the individual owner's responsibility to maintain their driveway culverts by means of clean-outs, replacements, and repairs as necessary.
- CMC's has been snow plowing three (3) private roads in the past years. It has been noted that the association is *only* responsible to plow a 9'-10' easement off CMC's main roads not any private roads. This was brought to the board's attention and plowing of these private lanes was discontinued but later the board agreed to finish out the winter months plowing these roads and bring this subject up for vote at the membership annual meeting. Discussion with the membership resulted in the following **Motion:** To continue plowing two (2) private lanes (those represented at meeting) for one year. However, upon further discussion it was stated that a 20' turn around for the equipment is required and will be the owner's responsibility to maintain. *A change to the original motion was made resulting in the following; Motion: CMC will continue to plow current three (3) private roads; Fir Tree Lane, Scott Lane, and Drake Lane, for one year. Matter will be re-addressed at next annual membership meeting. Motion seconded and unanimously passed.*
- Magnesium chloride is used as emulsifier on roads. It goes on dry and is water activated. CMC is looking into a water truck to aid in additional watering of roads. Lois Stallman asked if all roads received magnesium chloride. Richard Wilson stated that the dust control in front of his house is the best in years. He also stated that individuals are driving too fast and that is tearing up the roads, speed control would keep washboards down. Lois Stallman asked what the white-like hail on the roads where. She was told that it is the magnesium chloride and will be activated by moisture, morning dew or rain.
- Some members have had a company spread pine-sap tar for dust control. Lon Allen stated that with more traffic on these spots it packs down better. He will also look into the costs and bring to a future board meeting.

Shop/Spas – Charles Leslie

- The security cameras at the pools were essential in the apprehension and conviction, and fining of three individuals who broke-in and vandalized CMC's pools. CMC will prosecute to the full extent of the law any violations to CMC's properties.
- Due to some vandalism and the general trashing of the pools during use it is requested that all homeowners monitor their families and guests. The constant clean-up and maintenance of equipment required to keep the pools running has increased. The pools have been closed more due to some of these issues. Lois Stallman asks are keys not attached to the system and could Kathleen check log regarding legitimate owners. Charles Leslie responded that yes the keys are connected to system and calls are made to homeowners, however the response is always, "No it was not us." Jan McDowell asked if Cabin Keepers Rentals have access to keys. Jay Combs did not believe so but he will check with Cabin Keepers. Judy Ross states that owners pay dues and Cabin Keepers or the guests should not have access to the pools.
- Lois Stallman stated that the minutes from last year's and the previous years annual meeting that Article 7.01 of the CC&R's states in part that *"Each Owner of a Lot, his/her family, licensees, invitees and lessees, or contract purchasers who reside on the property shall be entitled to use the Association Properties."*
- There was a discussion on crowd control. Brad Schultz asked if there is a rule regarding number of guest and if posted at pools. Ken Flatt responded no; Dave Gardner stated it would have to be changed in the CCR's and require a majority of members. Mike Graham said that it never seemed to be just one (1) big group but many different groups. Ken Flatt asked if anyone interested in monitoring groups to notify him.

•This years budget will consist of putting in a concrete pad behind shop to store the magnesium chloride; two (2) pumps; waterline between creek into shop; deck pump to manage ice on deck; and additional signage

•Question asked as to \$500 month electricity charges. There are seven (7) pumps, one pump at the hot springs and six (6) others. The shop is heated with water.

•Charles Leslie, retiring board member in charge of Shop and Spa, thanked his team, Rusty Brown, Kathleen Gardner, Lynn Corn, Kevin Colvin, III, Michael Hackley, and Gene Foster, for making his position easier. He also thanked all pool closers, Michael Graham, Dan Dillman, Roger Black, Brad Schultz, Dave Gardner, Randy Fry, and Ron Heffner for their sacrifices and dedication.

•Ken Flatt with the pool committee handed out list of "Recommendations to the Board of Directors from the Pool Committee-February 4, 2012" to all members. **Motion:** Judy Ross motioned that these recommendations be looked at by the new board; motion was seconded; unanimously passed.

•Pat Basso inquired as to the pools temperatures. Temperatures are regulated on a quarterly seasonal basis; Dec-Feb, 91° cool pool; 101° warmer pool; and 103° hot tub. Mar-May, 91° cool pool; 99° warmer pool; and 102° hot tub. Jun-Aug, 88° cool pool; 97° warmer pool; and 101° hot tub. Sep-Nov, 91° cool pool; 99° warmer pool; and 102° hot tub.

•The two large spas were re-surfaced last year and drain covers were installed to comply with the Virginia Graeme Baker Act. Inspection of this installation was on Aug 5, 2011 and CMC passed. Shortly afterwards Charles Leslie received a call from the department stating that the report was wrong and CMC had not passed. CMC requested letter from installer, The Pool Doctor, and submitted that to the department refuting their findings. As of this date no response has been received

•Mr. Rumbaugh questioned the board's authority to use \$1,000 use of membership dues to remodel the dressing rooms without a membership vote. Dave Gardner stated according to CCR's the board can authorize a discretionary amount of not more than \$1,000 for repairs or replacement of CMC property. A membership vote is not required.

Water – Dave Gardner

•Jamie Anderson inquired as to when the water plant would need to be replaced. Dave Gardner replied 2021.

•Brad Schultz asked at what point the water plant will be paid off. Dave Gardner replied water plant loan will be paid off in 2021 but there will always be a need for upgrades to the water plant.

•Labor costs for water were questioned. This was attributable to a few events. First, the water line-freeze in January 2012 in which Rusty and Michael both put in a tremendous amount of hours to find and fix. Second, with the logging going on near the water pond, there was additional debris in the run-off creating more labor hours for pond maintenance.

•A water survey of CMC's water system was conducted by SPF Engineering. On July 30th, SPF Engineering presented their findings and options to updating and replacing sections of the existing systems to meet new requirements and standards as well as take care of any existing deficiencies. The Board and those members in attendance at the July 30th meeting came to the following consensus for CMC's Water System Facility Plan; *Intake Alternate #2* (install three (3) 2" flushing hydrants, three (3) 4" gate valves, replace one (1) valve actuator); *Water Treatment Alternate #2* (install new chlorine-feed pump, additional GAC replacement for DBP control); and *Water Distribution Alternate #4* (1,650 lf of 2" main line, 1,500 lf of 4" pressure reducing valves, eight (8) pressure relief valves, three (3) booster stations, four (4) flushing hydrants and approximately tie over of 18 existing service connections). Our expectations are better service, better pressure control and emergency relief of high pressures, lower maintenance cost due to less broken pipes, valves pressure stations, and higher water quality. CMC presently qualifies for a \$350,000, 20-year low interest loan at 2.25% with DEQ. This would average out to \$7.00 per lot however, the board is confident that dues will not need to be increased. Michael Graham asked, "How close to actual costs?" Dave said 1-10%. Richard Wilson said, "the survey was well done and complete and properties won't be worth anything if water system is not adequate." **Motion:** Jay Combs moved to authorize CMC to accept \$361,000 low-interest loan at 2.25% from DEQ to make improvements to CMC's Water Distribution Facility; Ryan McFarland seconded; unanimously passed by membership.

Finance – Jay Combs

The Board recommended that the dues be left at \$75 a month.

Motion: Don Hartley moved to leave the dues at \$75.00 a month, with \$5.00 dedicated to the Water Plant Replacement fund. Michael Graham seconded; unanimously passed by membership.

Unfinished Business - None

Election of three (3) new board members:

Jay Combs nominates Michael Ferguson; Charles Leslie nominated Michael Graham; Cathy Reynolds nominated Ron Heffner. No other nominations were offered. **Motion:** Dave Gardner moved to close and vote on nominations; Jay Combs seconded; 95 members approved nominations, three (3) members disapproved nomination.

Thanks to Volunteers

Thanks to Bert Hartley, Barbara Graham, and Teresa Brown for their assistance in registration and vote counting. Thanks also to all members who attended this meeting. These are important issues that affect all of us and your input and support is greatly appreciated. And last, thank you to the many others who have contributed goods or services to the association this past year.

The meeting was adjourned at 4:30 PM.

Eileen M. Smith, Secretary-Treasurer

ATTACHMENT 4: SHPO CONSULTATION DOCUMENTATION



October 4, 2012

Suzi Pengilly, Deputy SHPO
Idaho State Historical Society
210 Main Street
Boise, Idaho 83702

RE: Castle Mountain Creeks Public Water System Improvement Project –
Request for Comments for Preparation of an Environmental Information Document

Dear Suzi:

The Castle Mountain Creeks Owners Association (CMC) is in the final planning phase of developing a drinking water system improvement project which could be in full or partially funded by the Idaho Drinking Water State Revolving Loan Fund. The purpose of this letter is to request your review and response regarding any environmental impacts that your agency may identify for this proposed project pursuant to the Idaho Department of Environmental Quality's State Environmental Review Process which mirrors the National Environmental Policy Act.

The proposed project consists of the following Scope of Work:

Surface Water Intake System:

- Replace 1 valve actuator in an existing vault at the intake location
- Install three (3) 2-inch flushing hydrants or blow-offs with main line isolation valves at local "low" points along the existing raw water supply line. Excavation and installation will occur within the existing dirt road which the water line is located within.
- Install two (2) air-vacuum valves on the existing raw water supply line. Excavation and installation will occur within the existing dirt road which the water line is located within.

Water Treatment Plant (All work will be completed inside the existing building)

- Install new chlorine feed pump in the existing treatment building
- More frequent Granular Activated Carbon (GAC) replacement as needed to meet Idaho water quality requirements.

Water Distribution System

- Install approximately 1,650 lineal feet of 2-inch mainline
- Install approximately 1,500 lineal feet of 4-inch mainline
- Install approximately 3,800 lineal feet of 6-inch mainline
- Install approximately 15 gate valves
- Install 4 new pressure reducing valves
- Install 8 pressure relief valves
- Install 3 booster pump stations

- Install 4 flushing hydrants
- Tie over approximately 18 existing service connections

With the exception of the booster pump stations, all water distribution system work will occur within the existing gravel roadway easements which extend 25' either side of centerline for a total width of 50'.

The booster pump stations are very small, approximate 1 HP booster pumps that will be located in small approximate 4'x8' below grade vaults adjacent to the existing roadways. Booster Pump Station 1B will be located on the existing reservoir and water treatment plant site. Significant grading was performed on this site over a decade ago during construction of the treatment plant and reservoirs to create a flat construction site.

Booster Pump Stations 2B and 7B will be located within approximately 20' of the existing traveled surface and will require minor excavation and clearing for setting the vault and excavating the water line trenches. We anticipate that these vaults will be located adjacent to the shoulder of the roadway outside of the traveled way.

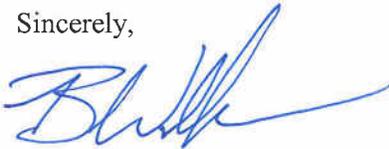
The project is being proposed to bring this Public Water System into compliance with DEQ requirements and to replace aging infrastructure that is approaching the end of its anticipated service life.. Enclosed are maps of the proposed project planning area that depict the proposed project improvements and area of potential effect for all construction activities.

We request that you advise us of any comments that you may have regarding this project within 30 days, so that CMC can proceed with the completion of the Environmental Information Document.

Please respond with questions, comments or concerns regarding this project to the consulting engineer, Brian Wilkinson at SPF Water Engineering. Contact information is provided below.

Brian Wilkinson, P.E.
SPF Water Engineering
300 E. Mallard Drive, Suite 350
Boise, Idaho 83706

Sincerely,



Project Consulting Engineer

Encl: maps



C.L. "Butch" Otter
Governor of Idaho

Janet Gallimore
Executive Director

Administration
2205 Old Penitentiary Road
Boise, Idaho 83712-8250
Office: (208) 334-2682
Fax: (208) 334-2774

Membership and Fund
Development
2205 Old Penitentiary Road
Boise, Idaho 83712-8250
Office: (208) 514-2310
Fax: (208) 334-2774

Historical Museum and
Education Programs
610 North Julia Davis Drive
Boise, Idaho 83702-7695
Office: (208) 334-2120
Fax: (208) 334-4059

State Historic Preservation
Office and Historic Sites
Archeological Survey of Idaho
210 Main Street
Boise, Idaho 83702-7264
Office: (208) 334-3861
Fax: (208) 334-2775

Statewide Sites:
• Franklin Historic Site
• Pierce Courthouse
• Rock Creek Station and
• Stricker Homesite

Old Penitentiary
2445 Old Penitentiary Road
Boise, Idaho 83712-8254
Office: (208) 334-2844
Fax: (208) 334-3225

Idaho State Archives
2205 Old Penitentiary Road
Boise, Idaho 83712-8250
Office: (208) 334-2620
Fax: (208) 334-2626

North Idaho Office
112 West 4th Street, Suite #7
Moscow, Idaho 83843
Office: (208) 882-1540
Fax: (208) 882-1763



DATE: October 18, 2012
TO: Brian Wilkinson, SPF Water Engineering
FEDERAL AGENCY: EPA
PROJECT NAME: Castle Mountain Creeks Public Water System
Improvements, Crouch, Idaho

Section 106 Evaluation

The field work and documentation presented in this report meet the Secretary of the Interior's Standards.

X No additional investigations are recommended. Project can proceed as planned.

Additional information is required to complete the project review. (See comments below.)

Additional investigations are recommended. (See comments below.)

Identification of Historic Properties (36 CFR 900.4):

X No historic properties were identified within the project area.

Property is not eligible. Reason:

Property is eligible for listing in the National Register of Historic Places.

Criterion: _ A _ B _ C _ D Context for Evaluation:

X *No historic properties* will be affected within the project area.

Assessment of Adverse Effects (36 CFR 800.5):

Project will have *no adverse effect* on historic properties.

Property will have an *adverse effect* on historic properties. Additional consultation is required.

Comments:

It appears that much of the work will be replacement work. Also, the terrain within the project area is quite steep reducing the likelihood of encountering archaeological sites. We are therefore not recommending an archaeological survey. If antiquities are discovered during construction, work should halt and your archaeological consultant contacted immediately. No work will take place on federal land.

Susan Pengilly

**Susan Pengilly, Deputy SHPO
State Historic Preservation Office**

October 18, 2012
Date

ATTACHMENT 5: U.S. ARMY CORPS OF ENGINEERS DOCUMENTATION



November 20, 2012

Greg Martinez
Department of the Army, Walla Walla District
Corps of Engineers, Boise Regulatory Office
10095 W. Emerald Street
Boise, Idaho 83704

RE: Castle Mountain Creeks Public Water System Improvement Project –
Request for Comments for Preparation of an Environmental Information Document

Dear Greg,

The Castle Mountain Creeks Owners Association (CMC) is in the final planning phase of developing a drinking water system improvement project which could be in full or partially funded by the Idaho Drinking Water State Revolving Loan Fund. The purpose of this letter is to request your review and response regarding any environmental impacts that your agency may identify for this proposed project pursuant to the Idaho Department of Environmental Quality's State Environmental Review Process which mirrors the National Environmental Policy Act.

The proposed project consists of the following Scope of Work:

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- Replace 1 existing valve actuator in an existing vault at the intake location
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Water Treatment Plant (All work will be completed inside the existing building)

- Install new chlorine feed pump in the existing treatment building
- More frequent Granular Activated Carbon (GAC) replacement as needed to meet Idaho water quality requirements.

Water Distribution System

- Install approximately 1,650 lineal feet of new 2-inch mainline
- Install approximately 1,500 lineal feet of new 4-inch mainline
- Install approximately 3,800 lineal feet of new 6-inch mainline
- Install approximately 15 new gate valves
- Install 4 new pressure reducing valves
- Install 8 new pressure relief valves
- Install 3 new booster pump stations
- Install 4 new flushing hydrants
- Tie over approximately 18 existing service connections

With the exception of the booster pump stations, all water distribution system work will occur within the existing gravel roadway easements which extend 25' either side of centerline for a total width of 50'. This work is being accomplished to upgrade the existing water distribution system. The distribution system is not being expanded to serve additional customers as part of this work.

The booster pump stations are very small, approximate 1 HP booster pumps that will be located in small approximate 4'x8' below grade vaults adjacent to the existing roadways. Booster Pump Station 1B will be located on the existing reservoir and water treatment plant site. Significant grading was performed on this site over a decade ago during construction of the treatment plant and reservoirs to create a flat construction site.

Booster Pump Stations 2B and 7B will be located within approximately 20' of the existing traveled surface and will require minor excavation and clearing for setting the vault and excavating the water line trenches. We anticipate that these vaults will be located adjacent to the shoulder of the roadway outside of the traveled way.

The project is being proposed to bring this Public Water System into compliance with DEQ requirements and to replace aging infrastructure that is approaching the end of its anticipated service life. Enclosed are maps of the proposed project planning area that depict the proposed project improvements and area of potential effect for all construction activities.

You will note that there are two streams shown on the attached maps that flow from west to east. The northern stream is Warm Springs Creek. This is a perennial stream that serves as the domestic water source for the community. The southern stream is an unnamed intermittent stream. No work is planned or will impact these streams below the ordinary high water mark. There are a minimum of two locations where the proposed water lines will cross these streams. In these locations the waterline will be located within the existing roadway. At these crossing locations the streams are conveyed across the roadway in a piped conduit. The waterlines will simply cross either above or below the piped drainage conduit as required by field conditions. In addition, please note that with the exception of the existing incised stream channels we are unaware of any existing jurisdictional wetlands on the project site and do not anticipate any impact to jurisdictional wetlands.

We request that you advise us of any comments that you may have regarding this project within 30 days, so that CMC can proceed with the completion of the Environmental Information Document.

Please respond with questions, comments or concerns regarding this project to the consulting engineer, Brian Wilkinson at SPF Water Engineering. Contact information is provided below.

Brian Wilkinson, P.E.
SPF Water Engineering
300 E. Mallard Drive, Suite 350
Boise, Idaho 83706

Sincerely,
SPF Water Engineering



Brian Wilkinson, P.E.

c. File 666.0050

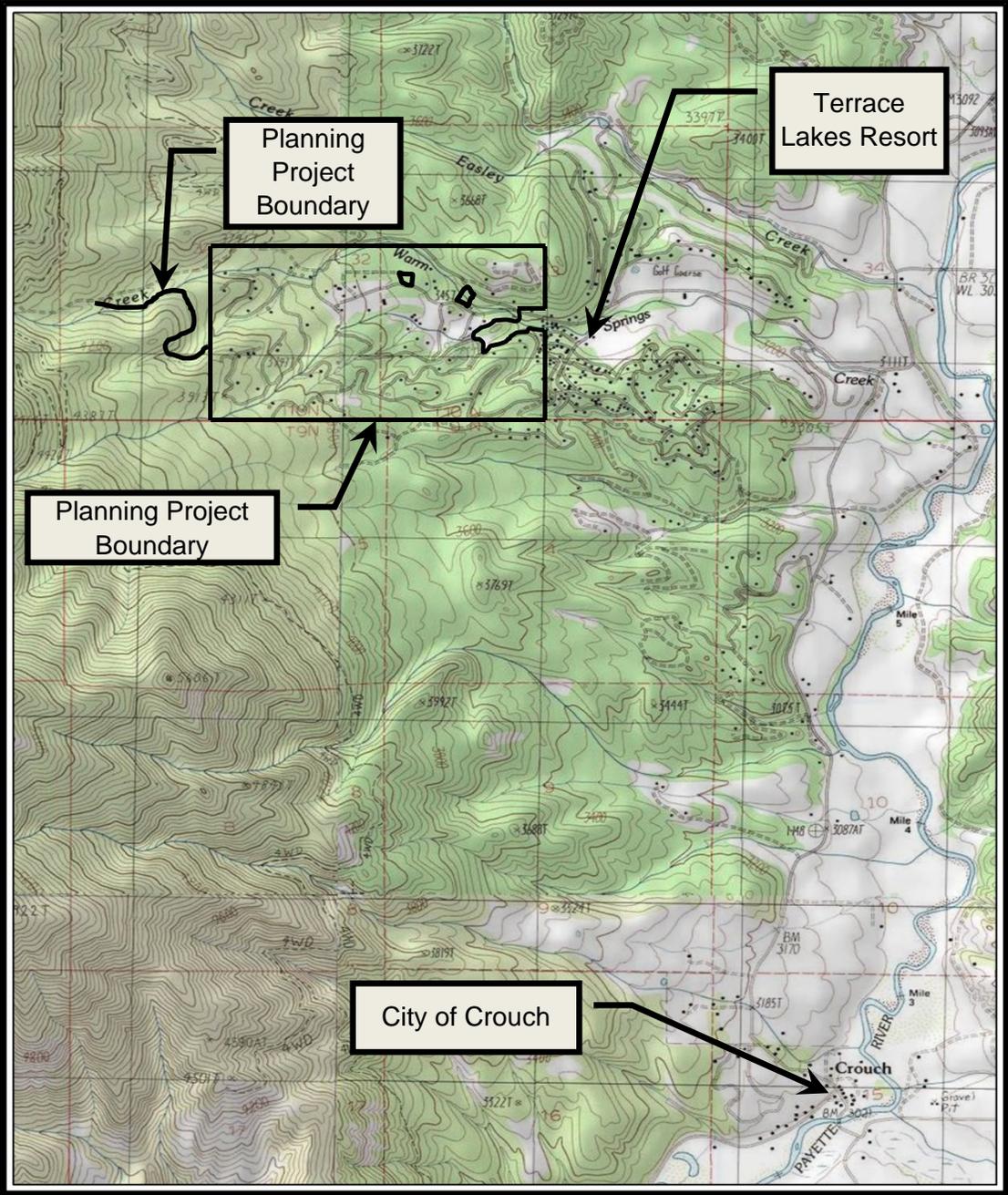
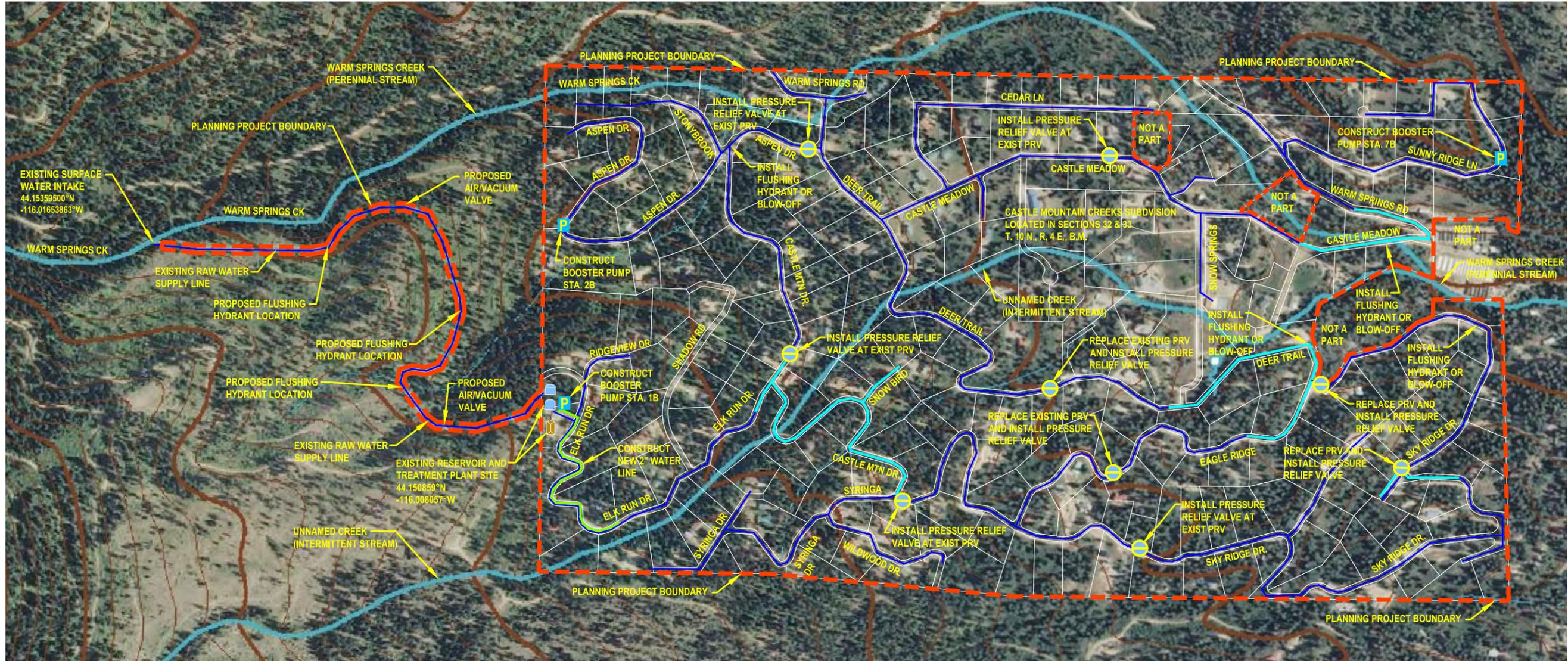


Exhibit A: Vicinity Map



PROPOSED WATER SYSTEM IMPROVEMENTS

SURFACE WATER INTAKE:

- REPLACE 1 VALVE ACTUATOR IN AN EXISTING VAULT.
- INSTALL THREE (3) 2-INCH FLUSHING HYDRANTS OR BLOW-OFFS WITH 4-INCH ISOLATION VALVES ON RAW WATER SUPPLY LINE.
- INSTALL TWO (2) COMBINATION AIR/VACUUM RELIEF VALVES

WATER TREATMENT PLANT

- INSTALL NEW CHLORINE FEED PUMP
- GAC REPLACEMENT AS NEEDED TO MEET WATER QUALITY REQUIREMENTS
- ALL WORK WILL BE DONE INSIDE EXISTING BUILDING

WATER DISTRIBUTION SYSTEM

- INSTALL APPROXIMATELY 1,650 LINEAL FEET OF 2-INCH MAINLINE
- INSTALL APPROXIMATELY 1,500 LINEAL FEET OF 4-INCH MAINLINE
- INSTALL APPROXIMATELY 3,800 LINEAL FEET OF 6-INCH MAINLINE
- INSTALL APPROXIMATELY 15 GATE VALVES
- INSTALL 4 NEW PRESSURE REDUCING VALVES (PRV'S)
- INSTALL 8 PRESSURE RELIEF VALVES
- INSTALL 3 BOOSTER PUMP STATIONS
- INSTALL 4 FLUSHING HYDRANTS OR BLOW-OFFS
- TIE OVER APPROXIMATELY 18 EXISTING SERVICE CONNECTIONS

LEGEND

- PLANNING PROJECT BOUNDARY
- EXISTING WATER LINE TO REMAIN
- EXISTING WATERLINE TO BE REPLACED
- NEW 2" WATER LINE TO BE CONSTRUCTED
- P PROPOSED BOOSTER PUMP STATION
- ⊕ EXISTING PRV. SEE PLAN FOR PROPOSED WORK.

SPF WATER ENGINEERING
 300 East Mallard Drive, Suite 350
 Boise, Idaho 83706
 Tel (208) 383-4140 Fax (208) 383-4156

CASTLE MOUNTAIN CREEKS PUBLIC WATER SYSTEM # 4080007
PROPOSED WATER SYSTEM IMPROVEMENTS

OWNER/DEVELOPER
 CASTLE MOUNTAIN CREEK OWNERS ASSOCIATION
 5 SNOW SPRINGS DRIVE
 GARDEN VALLEY, IDAHO 83622

ENGINEER
 ERIC LANDSBERG
 300 EAST MALLARD DRIVE, STE. 350
 BOISE, IDAHO 83706
 PHONE: 208-383-4140

PRELIMINARY DRAFT NOT FOR CONSTRUCTION

DRAWN BY:	BLW
CHECKED BY:	BLW
SCALE:	AS SHOWN
PLOT SCALE:	1:1

DATE	DESCRIPTION



DEPARTMENT OF THE ARMY
WALLA WALLA DISTRICT, CORPS OF ENGINEERS
Boise REGULATORY OFFICE
10095 W. Emerald Street
Boise, Idaho 83704

November 29, 2012

Regulatory Division

SUBJECT: NWW-2012-662-B01

Brian Wilkinson
SPF Water Engineering
300 E. Mallard Drive, Suite 350
Boise, Idaho 83706

Dear Mr. Wilkinson:

We have received your letter request dated November 20, 2012 for Department of the Army (DA) review and comments on the Castle Mountain Creeks Water Improvement Project. The project is located within a portion of Section 33 of Township 10 North, Range 4 East, near latitude 44.1508° N and longitude -116.0033° W, in Boise County, near Crouch, Idaho. Your request has been assigned File Number NWW-2012-662-B01.

Pursuant to Section 404 of the Clean Water Act (33 U.S.C. 1344), a DA permit must be obtained prior to discharging dredged or fill material into Waters of the United States (U.S.), which includes most perennial and intermittent rivers and streams, natural and man-made lakes and ponds, irrigation and drainage canals and ditches that are tributaries to other waters, and wetlands.

Other activities regulated under Section 404 would include excavation and land clearing operations involving vegetation removal with mechanized equipment such as front-end loaders, backhoes, or bulldozers with shear blades, rakes, or discs; windrowing of vegetation; land leveling; or other soil disturbance in areas subject to Corps jurisdiction that result in a discharge of dredged or fill material into wetlands or Waters of the U.S.

Based on our review of the information provided, your proposed project would cross streams at two locations. In these locations the waterline will be located within the existing roadways and the waterlines will simply cross the piped section of the stream either above the roadway culverts or be bored under the culverts. This method of construction was confirmed with you during a November 29, 2012 telephone conversation. Based on your method of construction we have determined that although the subject property contains Waters of the U.S., the proposed work, which involves installing water lines across Warm Springs Creek and an unnamed tributary to Warm Springs Creek would not involve a discharge of dredged or fill material below the ordinary high water mark of either stream. Therefore, a DA permit is not required for your project as proposed. ***If the method or scope of work or project location changes, it is recommended you contact this office for a verification of this determination.***

This determination applies only to DA permits administered by the Corps of Engineers, identifying the limits of the Corps' Clean Water Act jurisdiction for the particular site referenced in this request.

The statements contained herein do not convey any property rights or exclusive privileges, and do not authorize any injury to property or excuse you from compliance with other Federal, State, or local statutes, ordinances, or regulations that may affect the proposed work. Your project may require permits from other Federal, state, and local agencies including the Idaho Department of Water Resources or your local city or county zoning office if they have adopted a local floodplain management ordinance under the National Flood Insurance Program. You should contact these agencies to obtain any necessary permits prior to starting construction.

We are interested in your thoughts and opinions concerning the quality of service you received from the Walla Walla District, Corps of Engineers Regulatory Division. Please visit our web site at www.nww.usace.army.mil/html/offices/op/rf/survey.asp and complete our on-line Customer Service Survey, which will be automatically submitted to us. You may also complete and return to us by mail or by fax at 208-345-2968. For additional information about the Walla Walla District Regulatory program, please visit www.nww.usace.army.mil/html/offices/op/rf/rfhome.asp.

Please contact me by telephone at 208-345-2154, by mail at the address in the above letterhead, or via e-mail at greg.j.martinez@usace.army.mil if you have any questions regarding the information contained in this letter. A copy of this letter is being sent to the following individual: Aaron Golart, Idaho Department of Water Resources.

Sincerely,



Gregory J. Martinez
Regulatory Project Manager
Boise Regulatory Office

Enclosures

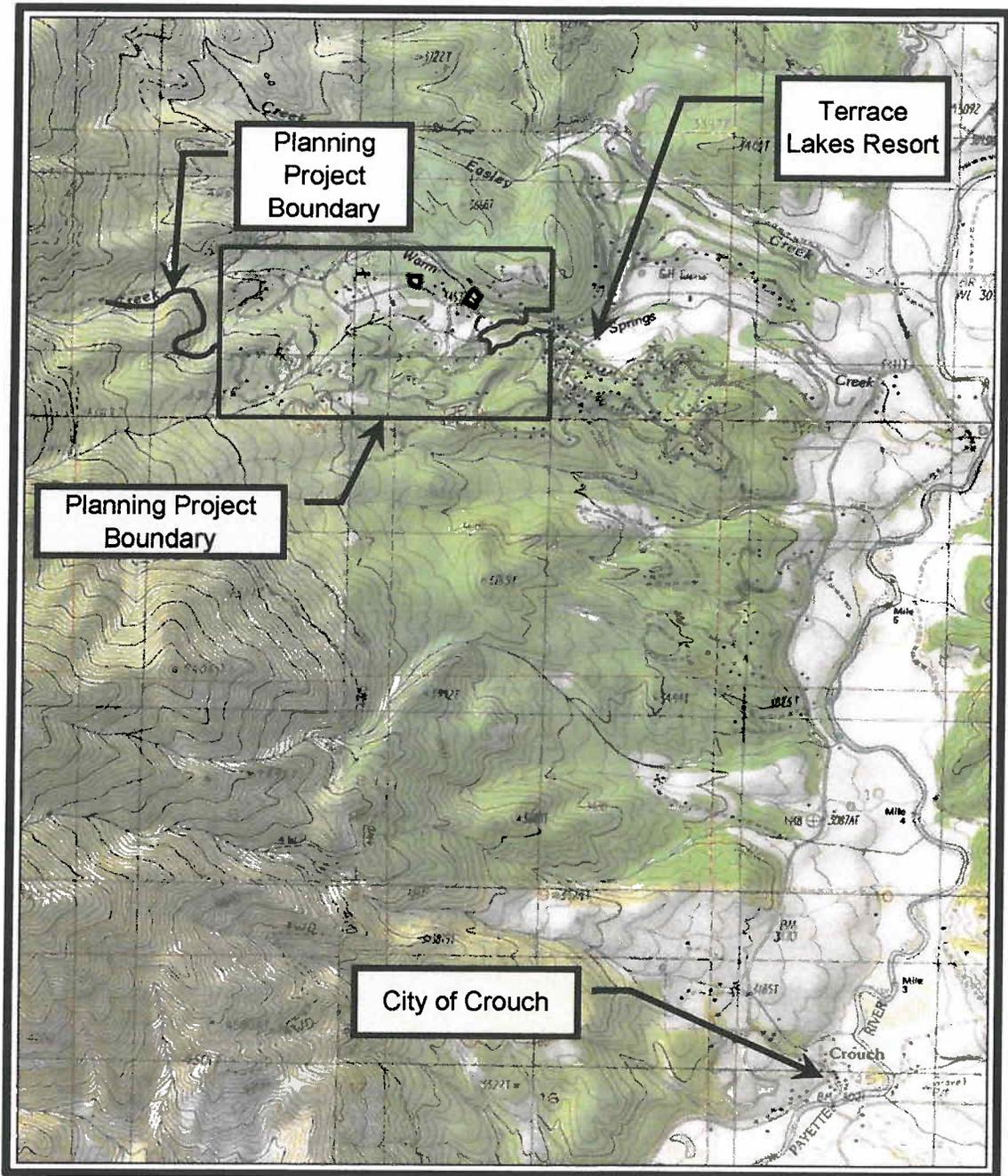
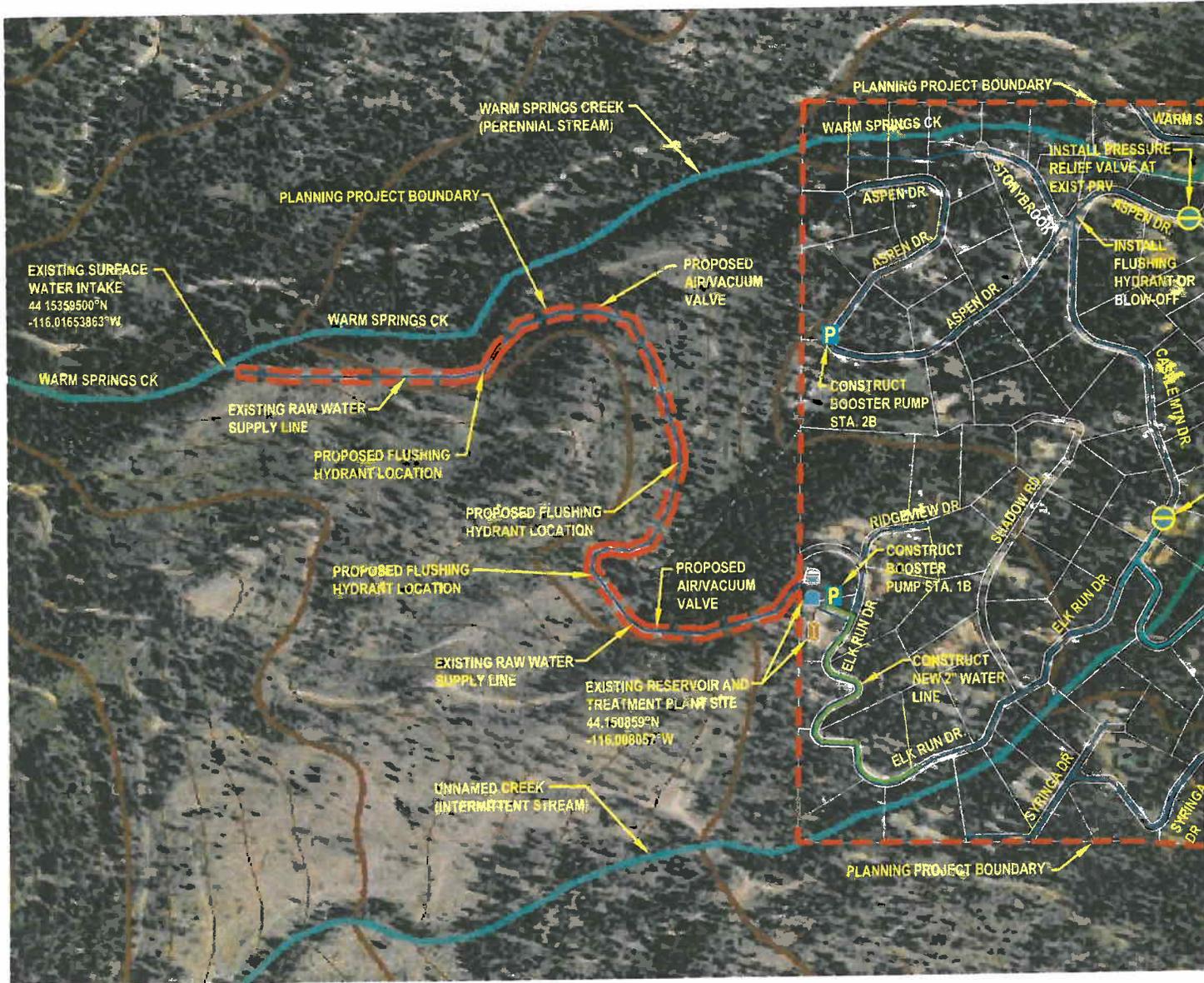


Exhibit A: Vicinity Map

T 10N
R 4E
S - 33



PROPOSED WATER SYSTEM IMPROVEMENTS

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- GAC REPLACEMENT AS NEEDED TO MEET WATER QUALITY REQUIREMENTS
- ALL WORK WILL BE DONE INSIDE EXISTING BUILDING

WATER DISTRIBUTION SYSTEM

- INSTALL APPROXIMATELY 1,650 LINEAL FEET
- INSTALL APPROXIMATELY 1,500 LINEAL FEET
- INSTALL APPROXIMATELY 3,800 LINEAL FEET
- INSTALL APPROXIMATELY 15 GATE VALVES
- INSTALL 4 NEW PRESSURE REDUCING VALVES
- INSTALL 8 PRESSURE RELIEF VALVES
- INSTALL 3 BOOSTER PUMP STATIONS
- INSTALL 4 FLUSHING HYDRANTS OR BLOW-OFFS
- TIE OVER APPROXIMATELY 18 EXISTING SEWER LINES

ATTACHMENT 6: IDAHO DEPARTMENT OF WATER RESOURCES DOCUMENTATION



December 31, 2012

Mary McGown
Idaho Department of Water Resources
322 E. Front Street
Boise, Idaho 83720

RE: Castle Mountain Creeks Public Water System Improvement Project –
Request for Comments for Preparation of an Environmental Information Document

Dear Mary,

The Castle Mountain Creeks Owners Association (CMC) is in the final planning phase of developing a drinking water system improvement project which could be in full or partially funded by the Idaho Drinking Water State Revolving Loan Fund. The purpose of this letter is to request your review and response regarding any environmental impacts that your agency may identify for this proposed project pursuant to the Idaho Department of Environmental Quality's State Environmental Review Process which mirrors the National Environmental Policy Act.

The proposed project consists of the following Scope of Work:

Surface Water Intake System:

- Replace 1 existing valve actuator in an existing vault at the intake location
- Install three (3) new 2-inch flushing hydrants or blow-offs with new main line isolation valves at local "low" points along the existing raw water supply line. Excavation and installation will occur within the existing dirt road which the water line is located within.
- Install two (2) new air-vacuum valves on the existing raw water supply line. Excavation and installation will occur within the existing dirt road which the water line is located within.

Water Treatment Plant (All work will be completed inside the existing building)

- Install new chlorine feed pump in the existing treatment building
- More frequent Granular Activated Carbon (GAC) replacement as needed to meet Idaho water quality requirements.

Water Distribution System

- Install approximately 1,650 lineal feet of new 2-inch mainline
- Install approximately 1,500 lineal feet of new 4-inch mainline
- Install approximately 3,800 lineal feet of new 6-inch mainline
- Install approximately 15 new gate valves
- Install 4 new pressure reducing valves
- Install 8 new pressure relief valves
- Install 3 new booster pump stations
- Install 4 new flushing hydrants
- Tie over approximately 18 existing service connections

With the exception of the booster pump stations, all water distribution system work will occur within the existing gravel roadway easements which extend 25' either side of centerline for a total width of 50'. This work is being accomplished to upgrade the existing water distribution system. The distribution system is not being expanded to serve additional customers as part of this work.

The booster pump stations are very small, approximate 1 HP booster pumps that will be located in small approximate 4'x8' below grade vaults adjacent to the existing roadways. Booster Pump Station 1B will be located on the existing reservoir and water treatment plant site. Significant grading was performed on this site over a decade ago during construction of the treatment plant and reservoirs to create a flat construction site.

Booster Pump Stations 2B and 7B will be located within approximately 20' of the existing traveled surface and will require minor excavation and clearing for setting the vault and excavating the water line trenches. We anticipate that these vaults will be located adjacent to the shoulder of the roadway outside of the traveled way.

The project is being proposed to bring this Public Water System into compliance with DEQ requirements and to replace aging infrastructure that is approaching the end of its anticipated service life. Enclosed are maps of the proposed project planning area that depict the proposed project improvements and area of potential effect for all construction activities.

You will note that there are two streams shown on the attached maps that flow from west to east. The northern stream is Warm Springs Creek. This is a perennial stream that serves as the domestic water source for the community. The southern stream is an unnamed intermittent stream. No work is planned or will impact these streams below the ordinary high water mark. There are two locations where the proposed water lines will cross these streams. In these locations the waterline will be located within the existing roadway. At these crossing locations the streams are conveyed across the roadway in a piped conduit. The waterlines will simply be bored or tunneled below the piped drainage conduit to provide the necessary vertical separation. The drainage conduits will remain in service and will be protected in place. These improvements are being constructed in "upland" areas mapped as "Zone X" on FEMA FIRM map numbers 16015C0129 B and 16015C0150 B (see attached).

We request that you advise us of any comments that you may have regarding this project within 30 days, so that CMC can proceed with the completion of the Environmental Information Document.

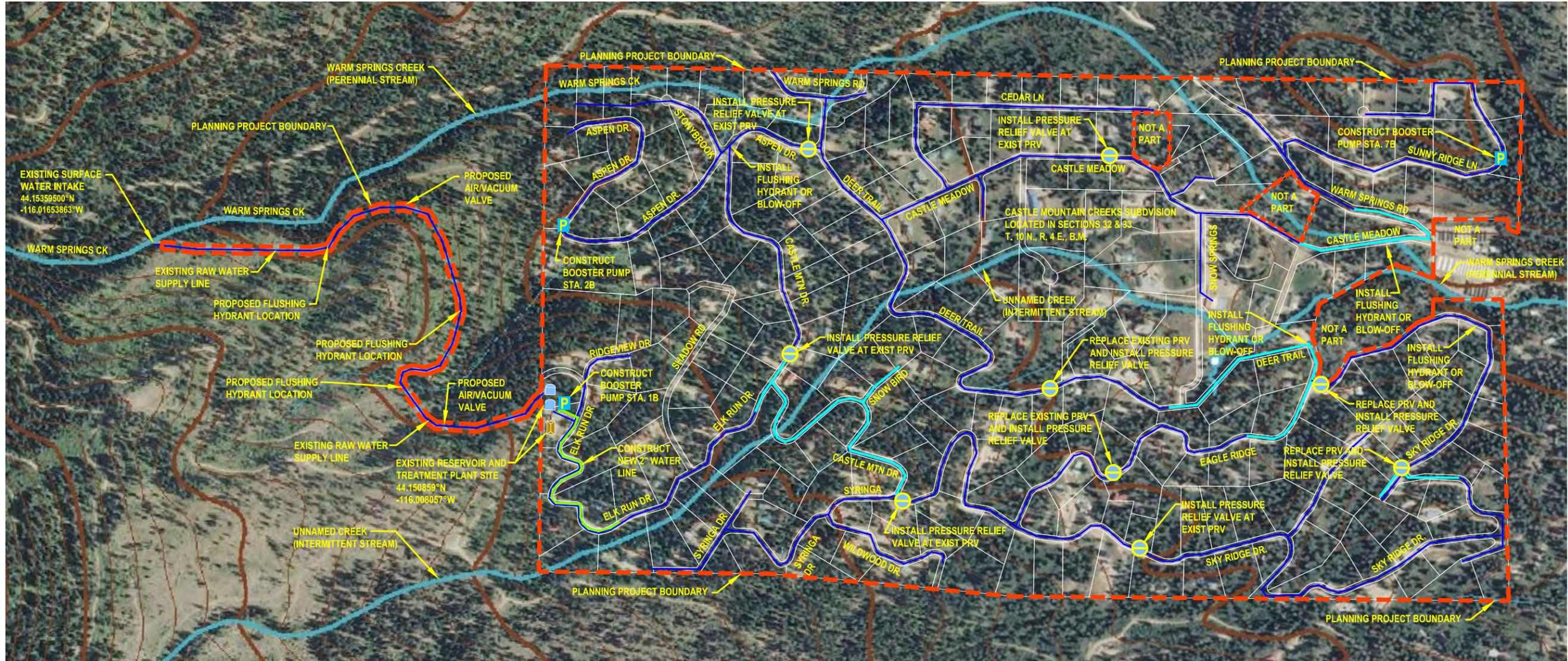
Please respond with questions, comments or concerns regarding this project to the consulting engineer, Brian Wilkinson at SPF Water Engineering. Contact information is provided below.

Brian Wilkinson, P.E.
SPF Water Engineering
300 E. Mallard Drive, Suite 350
Boise, Idaho 83706

Sincerely,
SPF Water Engineering

Brian Wilkinson, P.E.

c. File 666.0050



PROPOSED WATER SYSTEM IMPROVEMENTS

SURFACE WATER INTAKE:

- REPLACE 1 VALVE ACTUATOR IN AN EXISTING VAULT.
- INSTALL THREE (3) 2-INCH FLUSHING HYDRANTS OR BLOW-OFFS WITH 4-INCH ISOLATION VALVES ON RAW WATER SUPPLY LINE.
- INSTALL TWO (2) COMBINATION AIR/VACUUM RELIEF VALVES

WATER TREATMENT PLANT

- INSTALL NEW CHLORINE FEED PUMP
- GAC REPLACEMENT AS NEEDED TO MEET WATER QUALITY REQUIREMENTS
- ALL WORK WILL BE DONE INSIDE EXISTING BUILDING

WATER DISTRIBUTION SYSTEM

- INSTALL APPROXIMATELY 1,650 LINEAL FEET OF 2-INCH MAINLINE
- INSTALL APPROXIMATELY 1,500 LINEAL FEET OF 4-INCH MAINLINE
- INSTALL APPROXIMATELY 3,800 LINEAL FEET OF 6-INCH MAINLINE
- INSTALL APPROXIMATELY 15 GATE VALVES
- INSTALL 4 NEW PRESSURE REDUCING VALVES (PRV'S)
- INSTALL 8 PRESSURE RELIEF VALVES
- INSTALL 3 BOOSTER PUMP STATIONS
- INSTALL 4 FLUSHING HYDRANTS OR BLOW-OFFS
- TIE OVER APPROXIMATELY 18 EXISTING SERVICE CONNECTIONS

LEGEND

- PLANNING PROJECT BOUNDARY
- EXISTING WATER LINE TO REMAIN
- EXISTING WATERLINE TO BE REPLACED
- NEW 2" WATER LINE TO BE CONSTRUCTED
- P PROPOSED BOOSTER PUMP STATION
- ⊖ EXISTING PRV. SEE PLAN FOR PROPOSED WORK.

SPF WATER ENGINEERING
 300 East Mallard Drive, Suite 350
 Boise, Idaho 83706
 Tel (208) 383-4140 Fax (208) 383-4156

CASTLE MOUNTAIN CREEKS PUBLIC WATER SYSTEM # 4080007
PROPOSED WATER SYSTEM IMPROVEMENTS

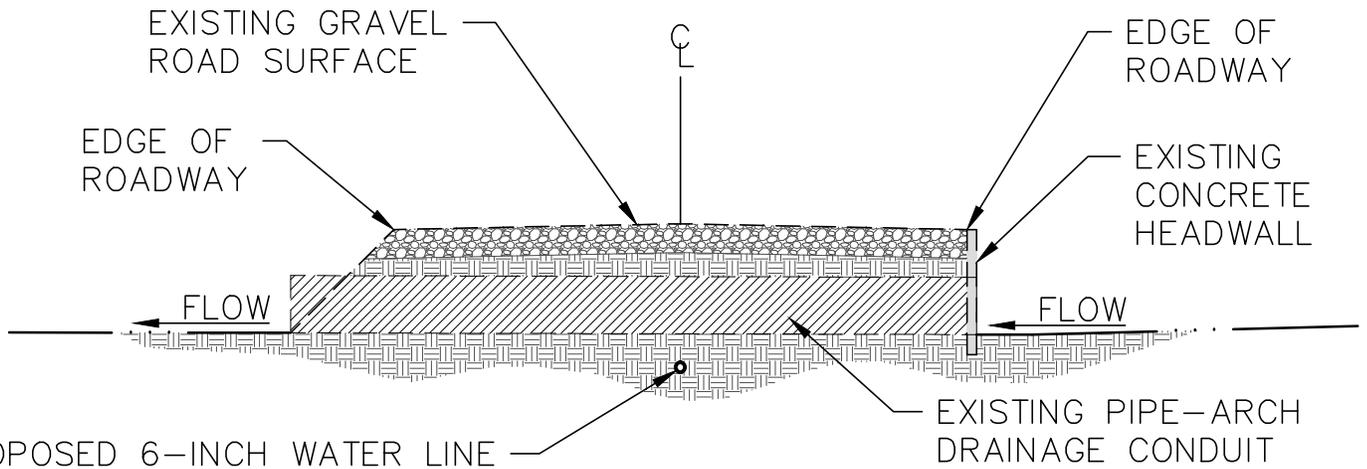
OWNER/DEVELOPER
 CASTLE MOUNTAIN CREEK OWNERS ASSOCIATION
 5 SNOW SPRINGS DRIVE
 GARDEN VALLEY, IDAHO 83622

ENGINEER
 ERIC LANDSBERG
 300 EAST MALLARD DRIVE, STE. 350
 BOISE, IDAHO 83706
 PHONE: 208-383-4140

PRELIMINARY DRAFT NOT FOR CONSTRUCTION

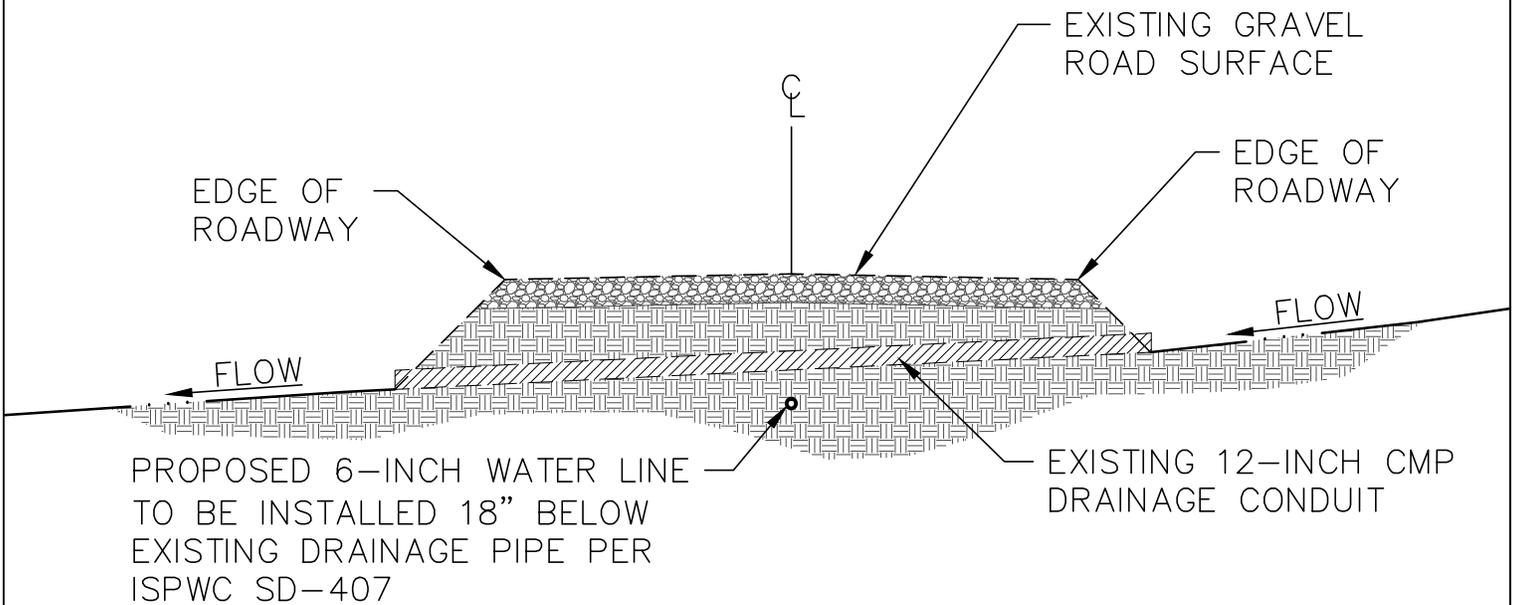
DRAWN BY:	BLW
CHECKED BY:	BLW
SCALE:	AS SHOWN
PLOT SCALE:	1:1

ITEM	REVISIONS	DATE



PROPOSED 6-INCH WATER LINE
TO BE INSTALLED 18" BELOW
EXISTING DRAINAGE PIPE PER
ISPWC SD-407

1 WARM SPRINGS CREEK WATERLINE X-ING SECTION



PROPOSED 6-INCH WATER LINE
TO BE INSTALLED 18" BELOW
EXISTING DRAINAGE PIPE PER
ISPWC SD-407

2 UNNAMED INTERMITTENT STREAM WATERLINE X-ING SECTION



SPF WATER
ENGINEERING

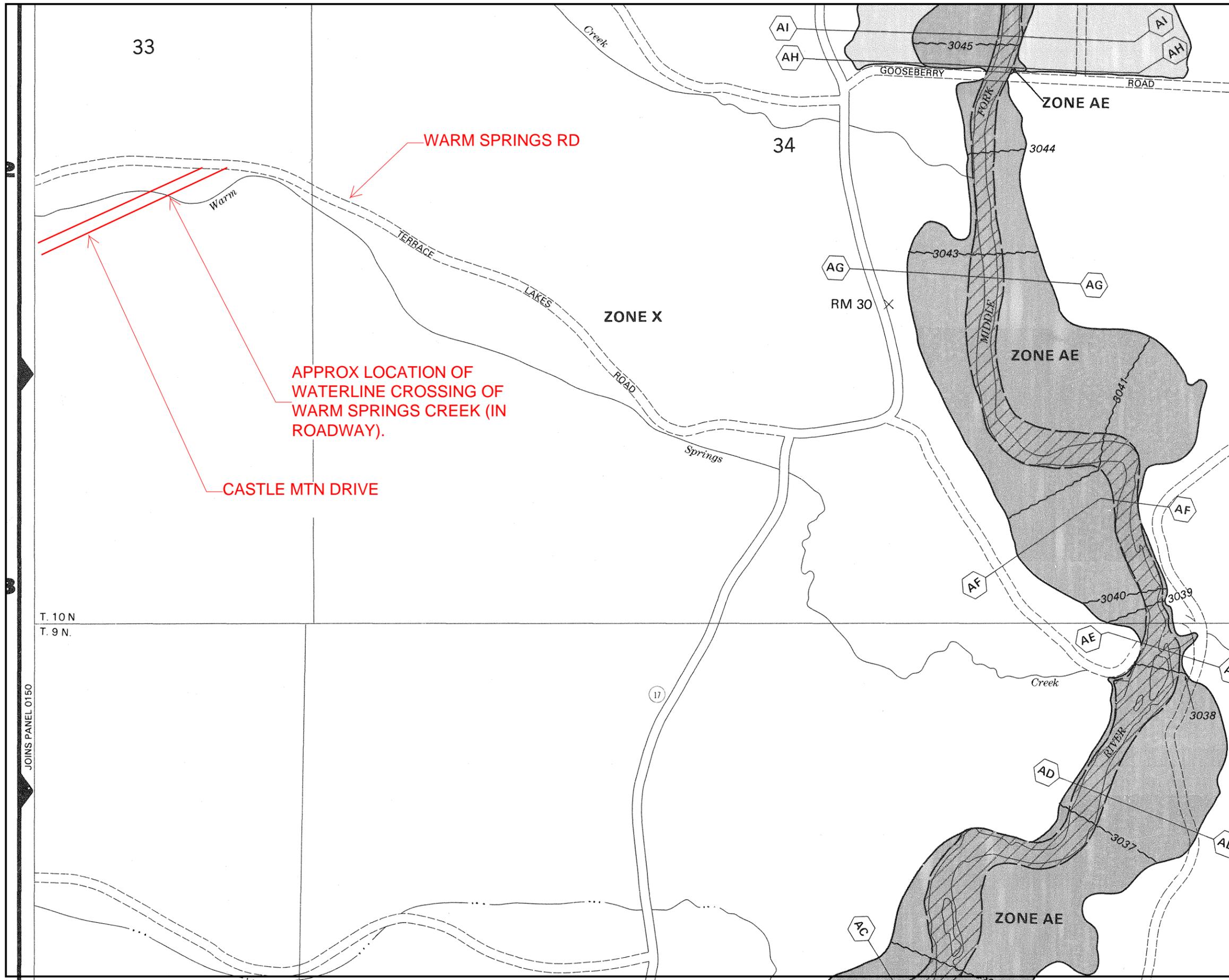
300 East Mallard Drive, Suite 350
Boise, Idaho 83706
Tel (208) 383-4140 Fax (208) 383-4156

CASTLE MOUNTAIN CREEKS FACILITY PLAN

SCALE: NTS

DRAWN BY: BLW

STREAM CROSSING SECTIONS



APPROXIMATE SCALE IN FEET
 500 0

NATIONAL FLOOD INSURANCE PROGRAM

FIRM
FLOOD INSURANCE RATE MAP

BOISE COUNTY,
 IDAHO AND
 INCORPORATED AREAS
 PANEL 129 OF 575

PANEL LOCATION

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
UNINCORPORATED AREAS	160205	0129	B

MAP NUMBER
 16015C0129 B
 EFFECTIVE DATE:
 APRIL 5, 1988

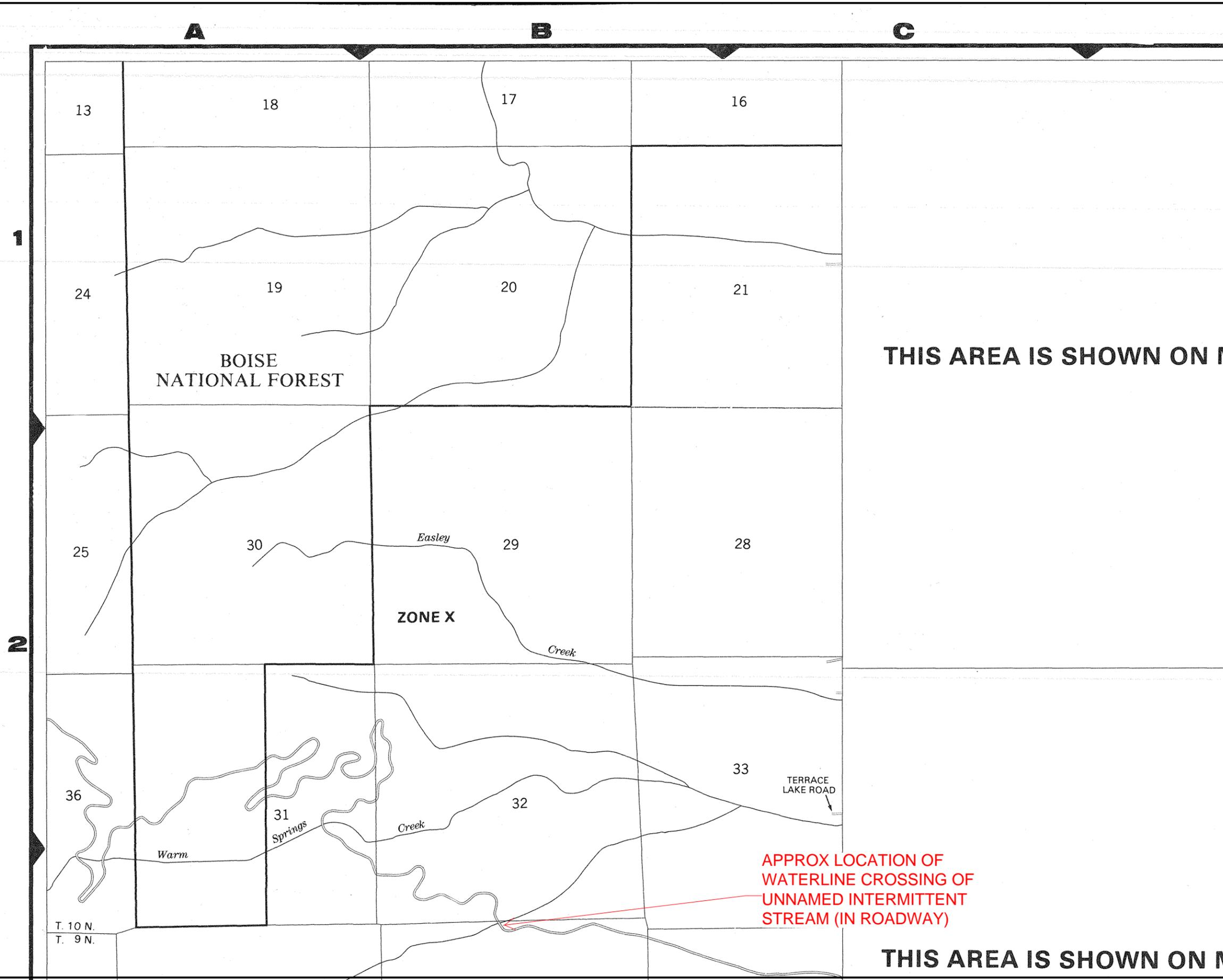
Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov

JOINS PANEL 0150



APPROXIMATE SCALE IN FEET



THIS AREA IS SHOWN ON M

THIS AREA IS SHOWN ON M

APPROX LOCATION OF WATERLINE CROSSING OF UNNAMED INTERMITTENT STREAM (IN ROADWAY)

NATIONAL FLOOD INSURANCE PROGRAM

FIRM
FLOOD INSURANCE RATE MAP

BOISE COUNTY,
IDAHO AND
INCORPORATED AREAS

PANEL 150 OF 575

PANEL LOCATION

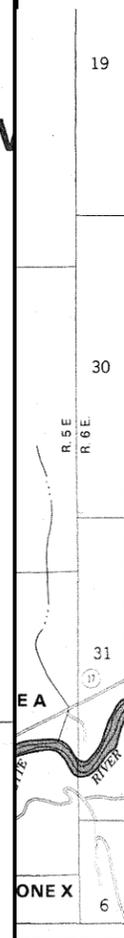
CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
UNINCORPORATED AREAS	160205	0150	B

MAP NUMBER
16015C0150 B

EFFECTIVE DATE:
APRIL 5, 1988

Federal Emergency Management Agency



This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov

Brian Wilkinson

From: Kelly, Patrick <Patrick.Kelly@idwr.idaho.gov>
Sent: Thursday, January 03, 2013 11:58 AM
To: Brian Wilkinson
Cc: McGown, Mary
Subject: RE: Castle Mtn Creeks Request for Comments

Categories: 666.0050 Castle Mtn

Mr. Wilkinson,

The proposed development for Castle Mtn. Creeks is located within an area designated by FEMA as Zone X, as shown in the FIRMS that were attached in your development request for comments. These areas are determined to be outside of any Special Flood Hazard Area and are not required to meet specific floodplain standards.

Thank you for the notice,
Patrick Kelly
Mapping Assistant
Idaho Department of Water Resources
(208)287-4933

-----Original Message-----

From: Brian Wilkinson [mailto:]
Sent: Monday, December 31, 2012 3:24 PM
To: McGown, Mary
Subject: Castle Mtn Creeks Request for Comments

Hi Mary,

Ester Ceja at IDEQ requested that I forward the attached information to you to see if you have any comments or concerns regarding a small community water system improvement project in Garden Valley.

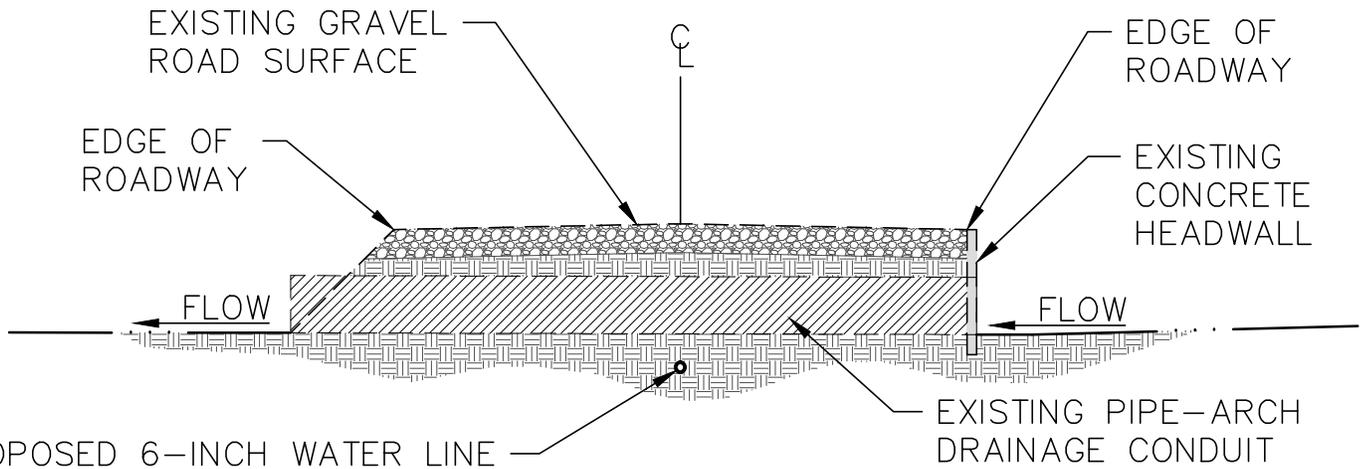
Specifically, the proposed water line will cross two existing streams.

The crossings will occur within the existing gravel roadway where the streams are piped through the road section in drainage culverts. No work within the stream channels is proposed. Please let me know if you have any questions. I can forward pictures of the proposed crossing sites if needed.

Best Regards,

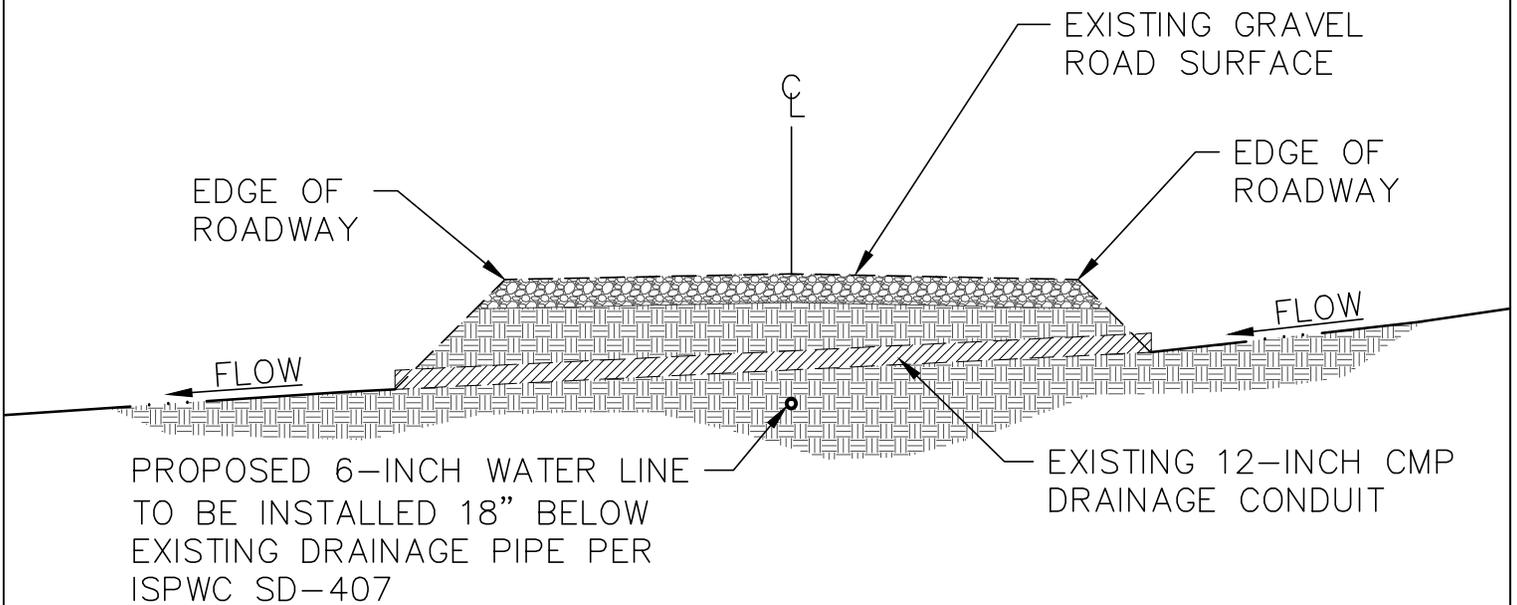
Brian Wilkinson, P.E.
SPF Water Engineering, LLC
300 E. Mallard Drive, Suite 350
Boise, Idaho 83706
(Tel) 208.383.4140
(Fax) 208.383.4156
bwilkinson@spfwater.com

ATTACHMENT 7: STREAM CROSSING INFORMATION



PROPOSED 6-INCH WATER LINE
TO BE INSTALLED 18" BELOW
EXISTING DRAINAGE PIPE PER
ISPWC SD-407

1 WARM SPRINGS CREEK WATERLINE X-ING SECTION



PROPOSED 6-INCH WATER LINE
TO BE INSTALLED 18" BELOW
EXISTING DRAINAGE PIPE PER
ISPWC SD-407

2 UNNAMED INTERMITTENT STREAM WATERLINE X-ING SECTION



SPF WATER
ENGINEERING

300 East Mallard Drive, Suite 350
Boise, Idaho 83706
Tel (208) 383-4140 Fax (208) 383-4156

CASTLE MOUNTAIN CREEKS FACILITY PLAN

SCALE: NTS

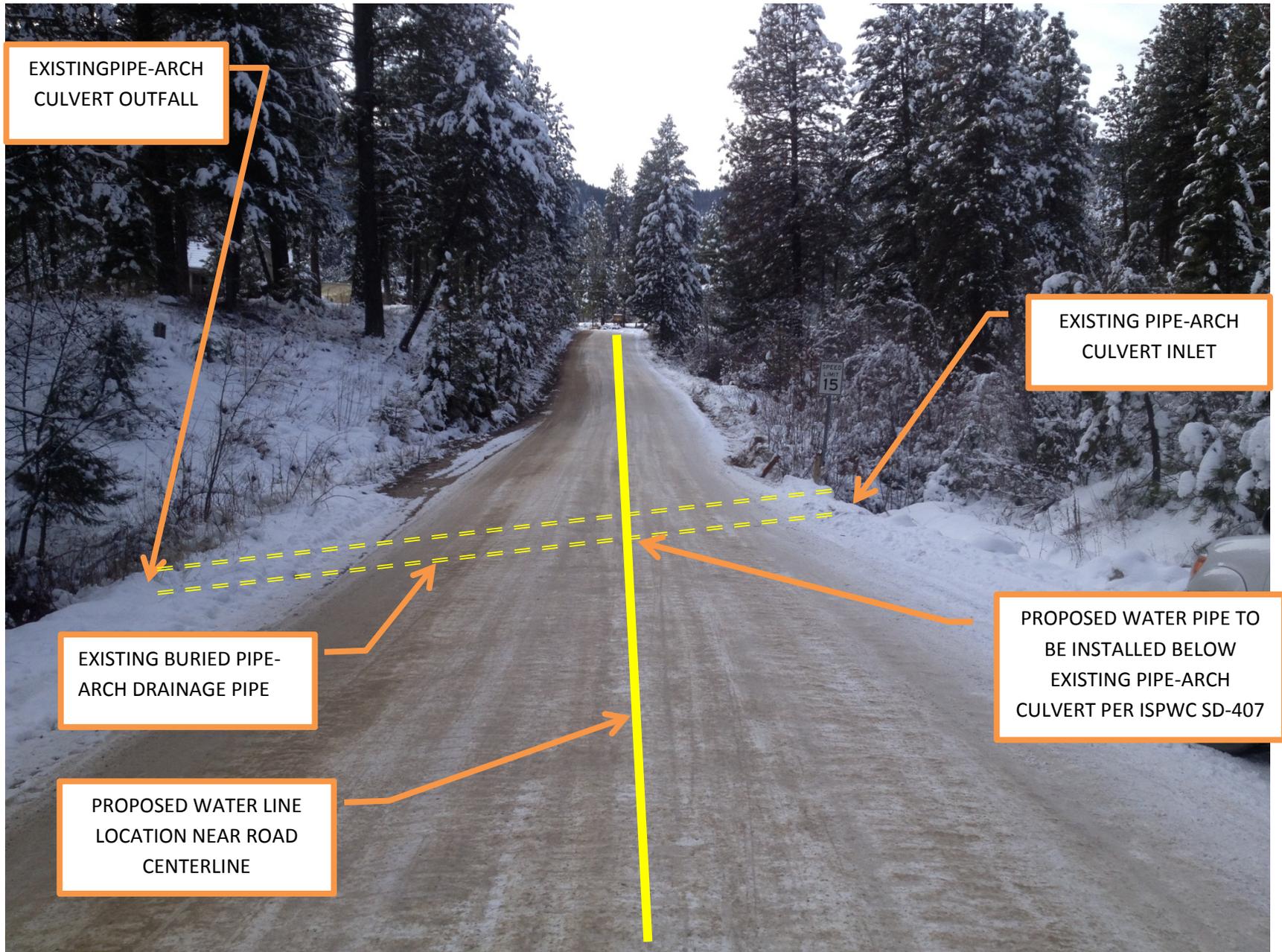
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STREAM CROSSING SECTIONS

CASTLE MOUNTAIN CREEKS STREAM CROSSING PHOTOS (TAKEN DECEMBER 29, 2012)



Picture 1: Warm Springs Creek Crossing- Overall Site Photo



Picture 2: Warm Springs Creek Crossing



PROPOSED WATER LINE
HORIZONTAL LOCATION
NEAR ROAD CENTERLINE

EXISTING PIPE-ARCH
CULVERT INLET WITH
CONCRETE HEADWALL

Picture 3: Warm Springs Creek- Inlet Headwall (looking slightly downstream)



PROPOSED WATER LINE
HORIZONTAL LOCATION
NEAR ROAD CENTERLINE

EXISTING PIPE-ARCH
CULVERT OUTFALL WITH
BOULDER HEADWALL

Picture 4: Warm Springs Creek Outfall (Looking Upstream)

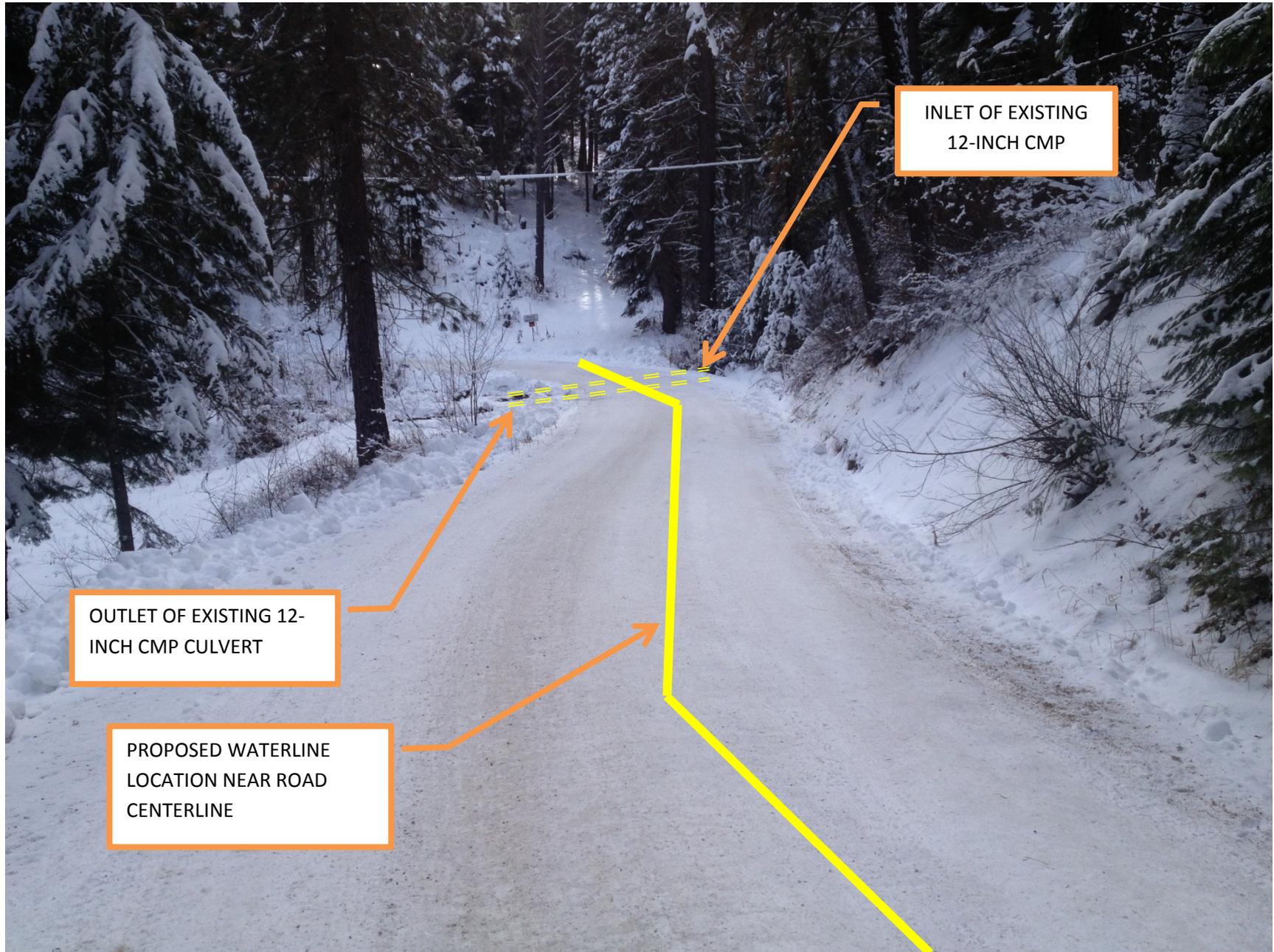


WARM SPRINGS CREEK
DOWNSTREAM OF ROADWAY/
WATER LINE CROSSING

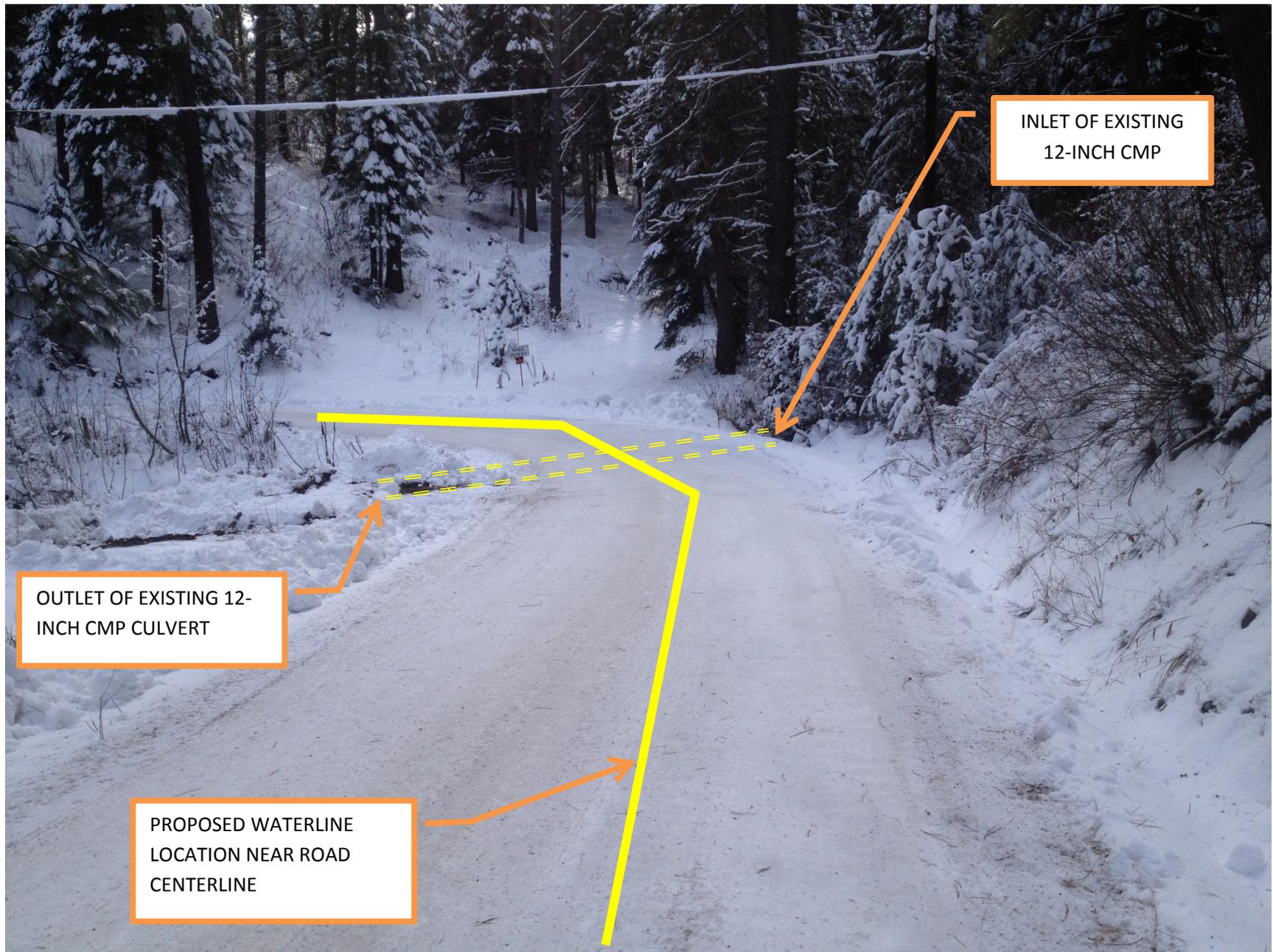
Picture 5: Warm Springs Creek downstream of outfall and road crossing

END WARM SPRINGS CREEK CROSSING PHOTOS

BEGIN UNNAMED INTERMITTENT STREAM PHOTOS



Picture 6: Unnamed stream site location.

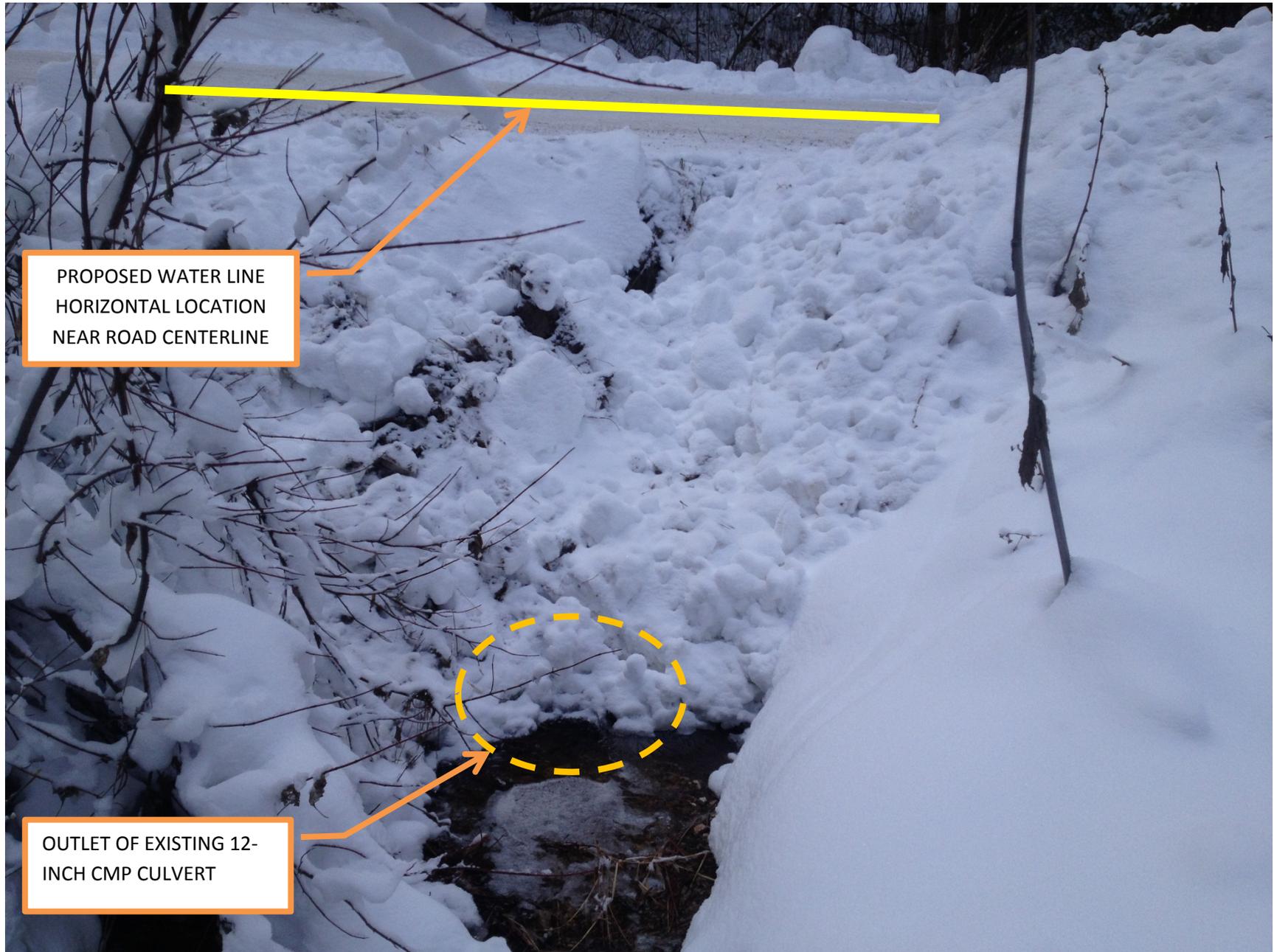


Picture 7: Unnamed Intermittent Stream Crossing- Site Location



INLET OF 12-INCH
CORRUGATED METAL PIPE
DRAINAGE CULVERT

Picture 8: Unnamed intermittent Stream 12" culvert inlet (looking downstream)



PROPOSED WATER LINE
HORIZONTAL LOCATION
NEAR ROAD CENTERLINE

OUTLET OF EXISTING 12-
INCH CMP CULVERT

Picture 9: Unnamed Intermittent Stream Culvert Outfall (looking upstream)